

From: Broddle, Bill D. [Bill.D.Broddle@conoco.com]  
Sent: Thursday, November 14, 2002 9:51 AM  
To: Clegg, Patsy M SCC-CHSE-PC  
Subject: RE: Benzene Health Research Consortium/Benzene Project;  
ConocoPhillips' Financial Support

Patsy, our Downstream HS&E manager plus the Downstream Vice-President met two-weeks ago and they are presently not in favor of increased financial support from ConocoPhillips for the BHRC project. But they do want to provide personnel support for the science and sustainable development activities so I am meeting on Nov. 25 with the Downstream HS&E mgr and the corporate HS&E v.p. to discuss this stance. I will know more by the time we all meet in D.C. on Dec. 11. which I believe is the date we next meet as a group.

William D. Broddle, Ph.D.  
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-----Original Message-----

From: Clegg, Patsy M SCC-CHSE-PC [mailto:pmclegg@Shell.Com]  
Sent: Tuesday, November 05, 2002 2:50 PM  
To: Broddle, Bill D.  
Cc: Burnett, Don (E-mail); Beatty, Pat (E-mail); Carol Fairbrother (E-mail); Matthew Todd (E-mail); Lynn Russo (E-mail)  
Subject: RE: Benzene Health Research Consortium/Benzene Project;  
ConocoPhillips' Financial Support

Bill,

Thanks for this update. Sounds like you made good progress.

My suggestion to the OC/Recruitment is to put your suggestions on the agenda for the Dec meeting. Perhaps you could bring some ideas on how to frame an SD objective.

Patsy

-----Original Message-----

From: Broddle, Bill D. [mailto:Bill.D.Broddle@conoco.com]  
Sent: Tuesday, November 05, 2002 1:43 PM  
To: Beatty, Patrick (PatrickBeatty); Burnett, Donald M.; Clegg, Patsy M SCC-CHSE-PC  
Cc: Lorraine Twerdok; Johnston, Michael D.; Galvin, Jennifer B; Ridge, Robert A; Parker, Dennis R.  
Subject: Benzene Health Research Consortium/Benzene Project;  
ConocoPhillips' Financial Support

I held a meeting to discuss the above topic; attendees included Bob Ridge (v.p. Corporate HS&E), Dennis Parker (former v.p. of Corporate HS&E who has elected to retire), Mike Johnston (Mgr., Downstream HS&E), Jennifer Galvin (Mgr., I.H. and Toxicology), and myself. In general, the consensus of the group was favorable towards increasing hConoco's financial support of

the project, but there were several issues that this group thought needed high priority before they would formally consider increasing our financial support:

-The goal of the Study should FIRST stress product stewardship so as to better minimize the potential health hazards of benzene throughout the world, both for industry and the general public. SECONDLY, an important goal of the Study should be to strengthen our knowledge of how best for the Study to enhance sustainable development for benzene-containing products so corporate economics and social issues are adequately addressed. This latter point should be more thorough in convincing corporations to financially support the Study.

-Communications Committee: This Committee should promote the above product stewardship and sustainable development issues as being primary goals of the Study, especially that of improving protection and understanding of potential benzene health hazards for global workers and the general public. Corporate professionals in the area of sustainable development would be a useful resource.

-Ethics Review Panel Members: This Panel must quickly expand to include the European representative and also the non-voting member that represents Chinese workers.

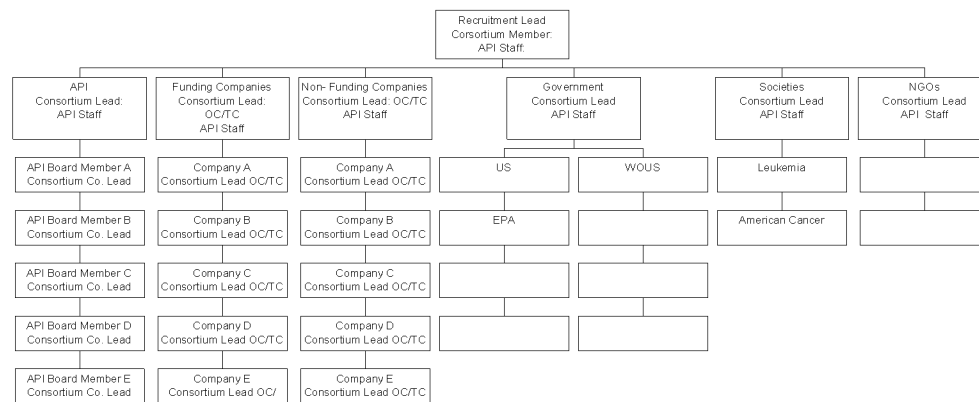
I met with Mike Johnston on October 14 and discussed how best to include this topic during his October 15 meeting with our Executive v.p. of Downstream, Jim Nokes. Patsy Clegg, Shell Chemical, has also offered to come visit our Houston offices and give her perspective of the project, so I will discuss this with Bob Ridge and Mike Johnston.

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Shanghai Benzene Health Consortium  
Sponsor Recruitment Planning

September 13, 2002    8:30 – 3:30  
Agenda

- |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| I.    | Welcome and Introductions - Patsy                                                                                                                                                                                                                                                                                                                                                                                                                                | 8:30-9:30   |
|       | <ul style="list-style-type: none"><li>– Facility Familiarization</li><li>– Antitrust/Legal Advice – Mark Fitzsimmons</li><li>– Update from Howard Feldman, API</li><li>– Expectations, Issues, Challenges</li><li>– Meeting Objectives/Agenda Review</li></ul>                                                                                                                                                                                                   |             |
| II.   | Consortium Structure for Recruitment (Attachment 1 & 2 – Draft) - Patsy                                                                                                                                                                                                                                                                                                                                                                                          | 9:30-10:00  |
| III.  | Break – Don                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10:00-10:15 |
| IV.   | Generate List of Sponsor Categories (Attachment 3 – Draft) – Pat                                                                                                                                                                                                                                                                                                                                                                                                 | 10:15-11:00 |
|       | <ul style="list-style-type: none"><li>- Funding Philosophy/Schedule</li><li>- Generate List of Sponsor Categories</li><li>- Generate List of Candidates for each category<ul style="list-style-type: none"><li>i. Candidates already contacted – status report</li><li>ii. Candidates to be contacted</li></ul></li><li>- Prioritize Categories/Candidates</li></ul>                                                                                             |             |
| V.    | Recruitment Plan for Sponsor Categories – Don                                                                                                                                                                                                                                                                                                                                                                                                                    | 11:00-1:00  |
|       | <ul style="list-style-type: none"><li>– Category 1 Plan (i.e. API, Attachment 4 – Draft)</li><li>– Category 2 Plan (i.e. Funding Company Sponsors, Attachment 5 – Draft)</li><li>– Category 3 Plan</li><li>– Category 4 Plan</li></ul>                                                                                                                                                                                                                           | w/ lunch    |
| VI.   | Recruitment Materials - Lynn                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1:00-2:30   |
|       | <ul style="list-style-type: none"><li>– Sponsor Candidates Contacts List</li><li>– Consortium Company High Level Managers List</li><li>– Letters of Introduction</li><li>– Pre-meeting materials</li><li>– Presentation Materials</li><li>– Leave-Behinds</li><li>– Follow-up materials</li><li>– Internal Consortium Company Communication(s)</li><li>– Press Releases</li><li>– Q&amp;As</li><li>– Key Messages</li><li>– Web Site</li><li>– Others?</li></ul> | w/ break    |
| VII.  | Recruitment Project Time Line (suggest we use Microsoft Project) - Patsy                                                                                                                                                                                                                                                                                                                                                                                         | 2:30-3:15   |
| VIII. | Path Forward - Patsy                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3:15-3:30   |



|    | A                                                   | B                                  | C                | D                                                                    | E                            | F                                                                                                                       |
|----|-----------------------------------------------------|------------------------------------|------------------|----------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 1  | <b>Tier I Companies</b>                             |                                    |                  |                                                                      |                              |                                                                                                                         |
| 2  | <b>Deadline: Presentations Complete by 12/31/02</b> |                                    |                  |                                                                      |                              |                                                                                                                         |
| 3  | <b>Lyondell-Equistar - Patsy Clegg</b>              |                                    |                  |                                                                      |                              |                                                                                                                         |
| 4  | <b>Lyondell-Equistar<br/>Contacts</b>               | <b>Name</b>                        | <b>Phone</b>     | <b>Email</b>                                                         | <b>Presentation<br/>Date</b> | <b>Comments</b>                                                                                                         |
| 5  | CEO                                                 |                                    |                  |                                                                      |                              |                                                                                                                         |
| 6  | Product Manager                                     |                                    |                  |                                                                      |                              |                                                                                                                         |
| 7  | Technical                                           |                                    |                  |                                                                      |                              |                                                                                                                         |
| 8  | BHRC Member Lead                                    | Patsy Clegg                        |                  |                                                                      |                              | Contact made with Claude White.                                                                                         |
| 9  | BHRC Member                                         |                                    |                  |                                                                      |                              |                                                                                                                         |
| 10 |                                                     |                                    |                  |                                                                      |                              |                                                                                                                         |
| 11 | Answer                                              |                                    |                  |                                                                      |                              | NO                                                                                                                      |
| 12 |                                                     |                                    |                  |                                                                      |                              |                                                                                                                         |
| 13 | <b>DuPont - Stu Cagen</b>                           |                                    |                  |                                                                      |                              |                                                                                                                         |
| 14 | <b>DuPont Contacts</b>                              | <b>Name</b>                        | <b>Phone</b>     | <b>Email</b>                                                         | <b>Presentation<br/>Date</b> | <b>Comments</b>                                                                                                         |
| 15 | CEO                                                 |                                    |                  |                                                                      |                              |                                                                                                                         |
| 16 | Product Manager                                     |                                    |                  |                                                                      |                              |                                                                                                                         |
| 17 | Technical                                           | Robin Leoadtepi                    |                  |                                                                      |                              | Robin has followed up with Rob Schnatter of EMBSI.                                                                      |
| 18 | BHRC Member Lead                                    | Stu Cagen                          |                  |                                                                      |                              |                                                                                                                         |
| 19 | BHRC Member                                         | Lynn Russo                         |                  |                                                                      |                              |                                                                                                                         |
| 20 |                                                     |                                    |                  |                                                                      |                              |                                                                                                                         |
| 21 | Answer                                              |                                    |                  |                                                                      |                              |                                                                                                                         |
| 22 |                                                     |                                    |                  |                                                                      |                              |                                                                                                                         |
| 23 | <b>Sunoco - Don Burnett</b>                         |                                    |                  |                                                                      |                              |                                                                                                                         |
| 24 | <b>Sunoco Contacts</b>                              | <b>Name</b>                        | <b>Phone</b>     | <b>Email</b>                                                         | <b>Presentation<br/>Date</b> | <b>Comments</b>                                                                                                         |
| 25 | CEO                                                 |                                    |                  |                                                                      |                              |                                                                                                                         |
| 26 | Product Manager                                     |                                    |                  |                                                                      |                              |                                                                                                                         |
| 27 | Technical                                           | Deborah<br>Donovan, HSE<br>Manager | 215-977-<br>6872 | <a href="mailto:dadonovan@sunocoinc.com">dadonovan@sunocoinc.com</a> | 12/5/2002                    | Presentation was made by Patrick Beatty and Don Burnett.                                                                |
| 28 | BHRC Member Lead                                    | Don Burnett                        |                  |                                                                      |                              | Possible meeting with Sunoco representatives as early as Dec 3-5. Must have materials from CC to provide leave-behinds. |
| 29 | BHRC Member                                         |                                    |                  |                                                                      |                              |                                                                                                                         |
| 30 |                                                     |                                    |                  |                                                                      |                              |                                                                                                                         |
| 31 | Answer                                              |                                    |                  |                                                                      |                              | NO                                                                                                                      |
| 32 |                                                     |                                    |                  |                                                                      |                              |                                                                                                                         |
| 33 | <b>Marathon - Patrick Beatty</b>                    |                                    |                  |                                                                      |                              |                                                                                                                         |

|    | A                              | B              | C            | D            | E                        | F                                                                                                                                                                                                  |
|----|--------------------------------|----------------|--------------|--------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 34 | <b>Marathon Contacts</b>       | <b>Name</b>    | <b>Phone</b> | <b>Email</b> | <b>Presentation Date</b> | <b>Comments</b>                                                                                                                                                                                    |
| 35 | CEO                            |                |              |              |                          |                                                                                                                                                                                                    |
| 36 | Product Manager                |                |              |              |                          |                                                                                                                                                                                                    |
| 37 | Technical                      |                |              |              |                          |                                                                                                                                                                                                    |
| 38 | BHRC Member Lead               | Patrick Beatty |              |              |                          |                                                                                                                                                                                                    |
| 39 | BHRC Member                    |                |              |              |                          |                                                                                                                                                                                                    |
| 40 |                                |                |              |              |                          |                                                                                                                                                                                                    |
| 41 | Answer                         |                |              |              |                          | Marathon has indicated that they will contribute \$200K.                                                                                                                                           |
| 42 |                                |                |              |              |                          |                                                                                                                                                                                                    |
| 43 | <b>Sinopec - Lynn Russo</b>    |                |              |              |                          |                                                                                                                                                                                                    |
| 44 | <b>Sinopec Contacts</b>        | <b>Name</b>    | <b>Phone</b> | <b>Email</b> | <b>Presentation Date</b> | <b>Comments</b>                                                                                                                                                                                    |
| 45 | CEO                            |                |              |              |                          |                                                                                                                                                                                                    |
| 46 | Product Manager                |                |              |              |                          |                                                                                                                                                                                                    |
| 47 | Technical                      |                |              |              |                          |                                                                                                                                                                                                    |
| 48 | BHRC Member Lead               | Lynn Russo     |              |              |                          | Given Sinopec US staffing, contact in the US is ineffective. Pursuing briefing by Pls in China to describe project; anticipate company representative(s) would follow-up on funding/participation. |
| 49 | BHRC Member                    | Bill Frick     |              |              |                          |                                                                                                                                                                                                    |
| 50 |                                |                |              |              |                          |                                                                                                                                                                                                    |
| 51 | Answer                         |                |              |              |                          |                                                                                                                                                                                                    |
| 52 |                                |                |              |              |                          |                                                                                                                                                                                                    |
| 53 | <b>PetroChina - Lynn Russo</b> |                |              |              |                          |                                                                                                                                                                                                    |
| 54 | <b>PetroChina Contacts</b>     | <b>Name</b>    | <b>Phone</b> | <b>Email</b> | <b>Presentation Date</b> | <b>Comments</b>                                                                                                                                                                                    |
| 55 | CEO                            | William Wu     |              |              |                          | Shan Tsai will pursue participation in March, 2003 CAPA Symposium.                                                                                                                                 |
| 56 | Product Manager                |                |              |              |                          |                                                                                                                                                                                                    |
| 57 | Technical                      |                |              |              |                          |                                                                                                                                                                                                    |
| 58 | BHRC Member Lead               | Lynn Russo     |              |              |                          | Stu Cagen to make contact call to Houston Office                                                                                                                                                   |
| 59 | BHRC Member                    | Stu Cagen      |              |              |                          |                                                                                                                                                                                                    |
| 60 |                                |                |              |              |                          |                                                                                                                                                                                                    |
| 61 | Answer                         |                |              |              |                          |                                                                                                                                                                                                    |

|    | A                                                  | B               | C            | D            | E                        | F                                                                                                               |
|----|----------------------------------------------------|-----------------|--------------|--------------|--------------------------|-----------------------------------------------------------------------------------------------------------------|
| 1  | <b>Tier II Companies</b>                           |                 |              |              |                          |                                                                                                                 |
| 2  | <b>Deadline: Presentations Complete by 3/31/02</b> |                 |              |              |                          |                                                                                                                 |
| 3  | <b>Solutia - Judy Elledge</b>                      |                 |              |              |                          |                                                                                                                 |
| 4  | <b>Solutia Contacts</b>                            | <b>Name</b>     | <b>Phone</b> | <b>Email</b> | <b>Presentation Date</b> | <b>Comments</b>                                                                                                 |
| 5  | CEO                                                |                 |              |              |                          |                                                                                                                 |
| 6  | Product Manager                                    |                 |              |              |                          |                                                                                                                 |
| 7  | Technical                                          |                 |              |              |                          |                                                                                                                 |
| 8  | BHRC Member Lead                                   |                 |              |              |                          |                                                                                                                 |
| 9  | BHRC Member                                        | Judy Elledge    |              |              |                          |                                                                                                                 |
| 10 |                                                    |                 |              |              |                          |                                                                                                                 |
| 11 |                                                    |                 |              |              |                          |                                                                                                                 |
| 12 |                                                    |                 |              |              |                          |                                                                                                                 |
| 13 | <b>Petronas - Lynn Russo</b>                       |                 |              |              |                          |                                                                                                                 |
| 14 | <b>Petronas Contacts</b>                           | <b>Name</b>     | <b>Phone</b> | <b>Email</b> | <b>Presentation Date</b> | <b>Comments</b>                                                                                                 |
| 15 | CEO                                                |                 |              |              |                          |                                                                                                                 |
| 16 | Product Manager                                    |                 |              |              |                          |                                                                                                                 |
| 17 | Technical                                          |                 |              |              |                          |                                                                                                                 |
| 18 | BHRC Member Lead                                   | Lynn Russo      |              |              |                          |                                                                                                                 |
| 19 | BHRC Member                                        |                 |              |              |                          |                                                                                                                 |
| 20 |                                                    |                 |              |              |                          |                                                                                                                 |
| 21 |                                                    |                 |              |              |                          |                                                                                                                 |
| 22 |                                                    |                 |              |              |                          |                                                                                                                 |
| 23 | <b>BASF - Stu Cagen</b>                            |                 |              |              |                          |                                                                                                                 |
| 24 | <b>BASF Contacts</b>                               | <b>Name</b>     | <b>Phone</b> | <b>Email</b> | <b>Presentation Date</b> | <b>Comments</b>                                                                                                 |
| 25 | CEO                                                |                 |              |              |                          |                                                                                                                 |
| 26 | Product Manager                                    |                 |              |              |                          |                                                                                                                 |
| 27 | Technical                                          | Gerhard Gans    |              |              |                          | Reply from Dr. Gans stating "There are no resources available to follow up or support the project in Shanghai." |
| 28 | BHRC Member Lead                                   | Stu Cagen       |              |              |                          | Stu has left voicemail, sent emails. No reply to date.                                                          |
| 29 | BHRC Member                                        | Shannon Stewart |              |              |                          |                                                                                                                 |
| 30 |                                                    |                 |              |              |                          |                                                                                                                 |
| 31 |                                                    |                 |              |              |                          |                                                                                                                 |
| 32 | <b>Petro-Canada - Lynn Russo</b>                   |                 |              |              |                          |                                                                                                                 |
| 33 | <b>Petro-Canada Contacts</b>                       | <b>Name</b>     | <b>Phone</b> | <b>Email</b> | <b>Presentation Date</b> | <b>Comments</b>                                                                                                 |
| 34 | CEO                                                |                 |              |              |                          |                                                                                                                 |
| 35 | Product Manager                                    |                 |              |              |                          |                                                                                                                 |
| 36 | Technical                                          |                 |              |              |                          |                                                                                                                 |
| 37 | BHRC Member Lead                                   | Lynn Russo      |              |              |                          |                                                                                                                 |

|    | A                                        | B              | C     | D     | E                 | F                                                                |
|----|------------------------------------------|----------------|-------|-------|-------------------|------------------------------------------------------------------|
| 38 | BHRC Member                              |                |       |       |                   |                                                                  |
| 39 |                                          |                |       |       |                   |                                                                  |
| 40 |                                          |                |       |       |                   |                                                                  |
| 41 | <b>CITGO/PDVSA - Stu Cagen</b>           |                |       |       |                   |                                                                  |
| 42 | CITGO Contacts                           | Name           | Phone | Email | Presentation Date | Comments                                                         |
| 43 | CEO                                      |                |       |       |                   |                                                                  |
| 44 | Product Manager                          |                |       |       |                   |                                                                  |
| 45 | Technical                                | Brian Turner   |       |       |                   | Stu to send DOW presentation to Brian Turner in Oklahoma office. |
| 46 | PDVSA Contacts                           | Name           | Phone | Email | Presentation Date | Comments                                                         |
| 47 | CEO                                      |                |       |       |                   |                                                                  |
| 48 | Product Manager                          |                |       |       |                   |                                                                  |
| 49 | Technical                                |                |       |       |                   |                                                                  |
| 50 | BHRC Member Lead                         | Stu Cagen      |       |       |                   |                                                                  |
| 51 | BHRC Member                              |                |       |       |                   |                                                                  |
| 52 |                                          |                |       |       |                   |                                                                  |
| 53 |                                          |                |       |       |                   |                                                                  |
| 54 |                                          |                |       |       |                   |                                                                  |
| 55 | <b>Chevron Phillips - Patrick Beatty</b> |                |       |       |                   |                                                                  |
| 56 | Chevron Phillips Contacts                | Name           | Phone | Email | Presentation Date | Comments                                                         |
| 57 | CEO                                      |                |       |       |                   |                                                                  |
| 58 | Product Manager                          |                |       |       |                   |                                                                  |
| 59 | Technical                                |                |       |       |                   |                                                                  |
| 60 | BHRC Member Lead                         | Patrick Beatty |       |       |                   |                                                                  |
| 61 | BHRC Member                              |                |       |       |                   |                                                                  |

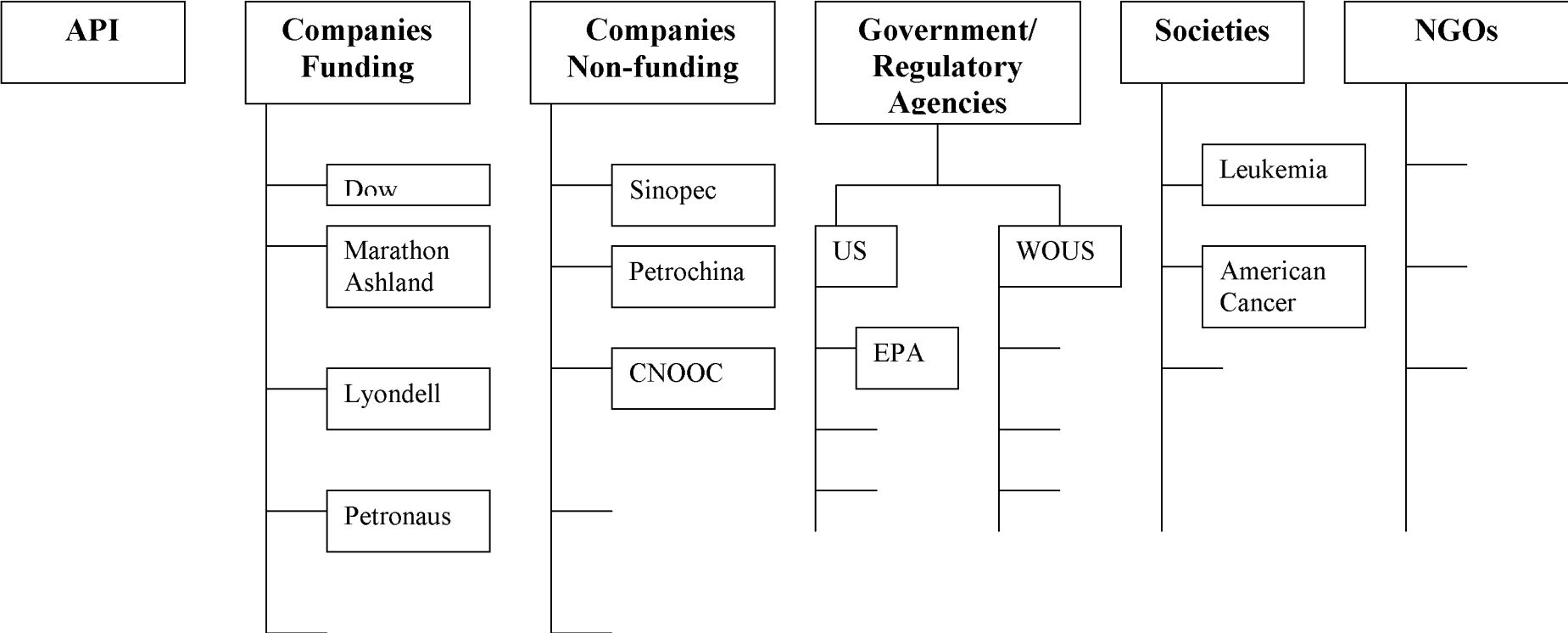
|    | A                                               | B               | C     | D     | E                 | F        |
|----|-------------------------------------------------|-----------------|-------|-------|-------------------|----------|
| 1  | <b>Tier III Companies</b>                       |                 |       |       |                   |          |
| 2  | <b>Contact Information Complete by 12/31/02</b> |                 |       |       |                   |          |
| 3  | <b>Yukos - Shannon Stewart</b>                  |                 |       |       |                   |          |
| 4  | Yukos Contacts                                  | Name            | Phone | Email | Presentation Date | Comments |
| 5  | CEO                                             |                 |       |       |                   |          |
| 6  | Product Manager                                 |                 |       |       |                   |          |
| 7  | Technical                                       |                 |       |       |                   |          |
| 8  | BHRC Member Lead                                | Shannon Stewart |       |       |                   |          |
| 9  | BHRC Member                                     |                 |       |       |                   |          |
| 10 |                                                 |                 |       |       |                   |          |
| 11 |                                                 |                 |       |       |                   |          |
| 12 |                                                 |                 |       |       |                   |          |
| 13 | <b>PEMEX - Patsy Clegg</b>                      |                 |       |       |                   |          |
| 14 | PEMEX Contacts                                  | Name            | Phone | Email | Presentation Date | Comments |
| 15 | CEO                                             |                 |       |       |                   |          |
| 16 | Product Manager                                 |                 |       |       |                   |          |
| 17 | Technical                                       |                 |       |       |                   |          |
| 18 | BHRC Member Lead                                | Patsy Clegg     |       |       |                   |          |
| 19 | BHRC Member                                     |                 |       |       |                   |          |
| 20 |                                                 |                 |       |       |                   |          |
| 21 |                                                 |                 |       |       |                   |          |
| 22 |                                                 |                 |       |       |                   |          |
| 23 | <b>Bayer - Judy Elledge</b>                     |                 |       |       |                   |          |
| 24 | Bayer Contacts                                  | Name            | Phone | Email | Presentation Date | Comments |
| 25 | CEO                                             |                 |       |       |                   |          |
| 26 | Product Manager                                 |                 |       |       |                   |          |
| 27 | Technical                                       |                 |       |       |                   |          |
| 28 | BHRC Member Lead                                | Judy Elledge    |       |       |                   |          |
| 29 | BHRC Member                                     |                 |       |       |                   |          |
| 30 |                                                 |                 |       |       |                   |          |
| 31 |                                                 |                 |       |       |                   |          |
| 32 | <b>Statoil - Don Burnett</b>                    |                 |       |       |                   |          |
| 33 | Statoil Contacts                                | Name            | Phone | Email | Presentation Date | Comments |
| 34 | CEO                                             |                 |       |       |                   |          |
| 35 | Product Manager                                 |                 |       |       |                   |          |
| 36 | Technical                                       |                 |       |       |                   |          |
| 37 | BHRC Member Lead                                | Don Burnett     |       |       |                   |          |
| 38 | BHRC Member                                     |                 |       |       |                   |          |

|    | A                                 | B              | C            | D            | E                            | F               |
|----|-----------------------------------|----------------|--------------|--------------|------------------------------|-----------------|
| 39 |                                   |                |              |              |                              |                 |
| 40 |                                   |                |              |              |                              |                 |
| 41 | <b>TotalFinaElf - Don Burnett</b> |                |              |              |                              |                 |
| 42 | <b>TotalFinaElf Contacts</b>      | <b>Name</b>    | <b>Phone</b> | <b>Email</b> | <b>Presentation<br/>Date</b> | <b>Comments</b> |
| 43 | CEO                               |                |              |              |                              |                 |
| 44 | Product Manager                   |                |              |              |                              |                 |
| 45 | Technical                         |                |              |              |                              |                 |
| 46 | BHRC Member Lead                  | Don Burnett    |              |              |                              |                 |
| 47 | BHRC Member                       |                |              |              |                              |                 |
| 48 |                                   |                |              |              |                              |                 |
| 49 | Answer                            |                |              |              |                              | NO              |
| 50 |                                   |                |              |              |                              |                 |
| 51 | <b>CNOOC - Patrick Beatty</b>     |                |              |              |                              |                 |
| 52 | <b>CNOOC Contacts</b>             | <b>Name</b>    | <b>Phone</b> | <b>Email</b> | <b>Presentation<br/>Date</b> | <b>Comments</b> |
| 53 | CEO                               |                |              |              |                              |                 |
| 54 | Product Manager                   |                |              |              |                              |                 |
| 55 | Technical                         |                |              |              |                              |                 |
| 56 | BHRC Member Lead                  | Patrick Beatty |              |              |                              |                 |
| 57 | BHRC Member                       | Jay Stuller    |              |              |                              |                 |

|    | A                               | B    | C     | D     | E                 | F        |
|----|---------------------------------|------|-------|-------|-------------------|----------|
| 1  | < Full Share - Patron Companies |      |       |       |                   |          |
| 2  | Contact Information Complete by |      |       |       |                   |          |
| 3  |                                 |      |       |       |                   |          |
| 4  |                                 | Name | Phone | Email | Presentation Date | Comments |
| 5  | CEO                             |      |       |       |                   |          |
| 6  | Product Manager                 |      |       |       |                   |          |
| 7  | Technical                       |      |       |       |                   |          |
| 8  | BHRC Member Lead                |      |       |       |                   |          |
| 9  | BHRC Member                     |      |       |       |                   |          |
| 10 |                                 |      |       |       |                   |          |
| 11 |                                 |      |       |       |                   |          |
| 12 |                                 |      |       |       |                   |          |
| 13 |                                 |      |       |       |                   |          |
| 14 |                                 | Name | Phone | Email | Presentation Date | Comments |
| 15 | CEO                             |      |       |       |                   |          |
| 16 | Product Manager                 |      |       |       |                   |          |
| 17 | Technical                       |      |       |       |                   |          |
| 18 | BHRC Member Lead                |      |       |       |                   |          |
| 19 | BHRC Member                     |      |       |       |                   |          |
| 20 |                                 |      |       |       |                   |          |
| 21 |                                 |      |       |       |                   |          |
| 22 |                                 |      |       |       |                   |          |
| 23 |                                 |      |       |       |                   |          |
| 24 |                                 | Name | Phone | Email | Presentation Date | Comments |
| 25 | CEO                             |      |       |       |                   |          |
| 26 | Product Manager                 |      |       |       |                   |          |
| 27 | Technical                       |      |       |       |                   |          |
| 28 | BHRC Member Lead                |      |       |       |                   |          |
| 29 | BHRC Member                     |      |       |       |                   |          |
| 30 |                                 |      |       |       |                   |          |
| 31 |                                 |      |       |       |                   |          |
| 32 |                                 |      |       |       |                   |          |
| 33 |                                 | Name | Phone | Email | Presentation Date | Comments |
| 34 | CEO                             |      |       |       |                   |          |
| 35 | Product Manager                 |      |       |       |                   |          |
| 36 | Technical                       |      |       |       |                   |          |
| 37 | BHRC Member Lead                |      |       |       |                   |          |
| 38 | BHRC Member                     |      |       |       |                   |          |

|    |                  |      |       |       |                      |          |
|----|------------------|------|-------|-------|----------------------|----------|
|    | A                | B    | C     | D     | E                    | F        |
| 39 |                  |      |       |       |                      |          |
| 40 |                  |      |       |       |                      |          |
| 41 |                  |      |       |       |                      |          |
| 42 |                  | Name | Phone | Email | Presentation<br>Date | Comments |
| 43 | CEO              |      |       |       |                      |          |
| 44 | Product Manager  |      |       |       |                      |          |
| 45 | Technical        |      |       |       |                      |          |
| 46 | BHRC Member Lead |      |       |       |                      |          |
| 47 | BHRC Member      |      |       |       |                      |          |
| 48 |                  |      |       |       |                      |          |
| 49 | Answer           |      |       |       |                      | NO       |
| 50 |                  |      |       |       |                      |          |
| 51 |                  |      |       |       |                      |          |
| 52 |                  | Name | Phone | Email | Presentation<br>Date | Comments |
| 53 | CEO              |      |       |       |                      |          |
| 54 | Product Manager  |      |       |       |                      |          |
| 55 | Technical        |      |       |       |                      |          |
| 56 | BHRC Member Lead |      |       |       |                      |          |
| 57 | BHRC Member      |      |       |       |                      |          |

Shanghai Benzene Health Consortium  
Candidate Sponsors Recruitment Org Chart



# SHANGHAI HEALTH STUDY

## Overview

**Purpose:** To gain an accurate understanding of the relationship between benzene exposure and the risk of certain hematopoietic diseases. This study is an important element in the product stewardship programs of participating companies. It could also lead to improved, health-based regulatory (e.g., ambient air, water & occupational) standards worldwide, by providing the regulatory and scientific communities with additional information for more accurate assessment of the risks from exposure to benzene.

A unique set of circumstances exists at this point in time in Shanghai to conduct benzene research. These include a database of occupational exposures, and qualified co-investigators influential in local scientific medical, and regulatory establishments. Therefore, questions that have complicated benzene health risk assessment for decades may be addressed in Shanghai.

**The Studies:** The program involves three inter-related studies:

- Case-Control Study - A hospital-based case control study investigating the potential relationship between benzene exposure and both Non-Hodgkins Lymphoma (NHL) and Acute Myelogenous Leukemia (AML), including an attempt to quantify the potency of the AML response.
- Disease Progression Study - A hospital/clinic-based investigation of the potential relationship between non-cancer diseases of the bone marrow and AML to determine if effects on bone marrow progress through non-cancer stages to an ultimate leukemia. This study is also attempting to define the shape of the dose response for possible “precursor” diseases and could result in characterization of unique identifiers of benzene-induced AML.
- Molecular Epidemiology Study - Investigating if there is a quantitative relationship between benzene exposure and potential early indicators of both exposure and effect in a focused population of workers.

The investigators are leading experts in their fields, coming from such well-known institutions as the University of Colorado Health Sciences Center and Fudan University Medical Center. The combined studies apply cutting-edge, 21<sup>st</sup> century technologies in ways that will not only advance our understanding of benzene-induced disease, but may also identify potential prevention strategies for benzene-induced disease in individuals.

**Benefits:** Information gained from this project may have direct relevance for worldwide regulatory standards designed to protect workers and the general population from benzene-induced disease. These include air and water quality standards, as well as hazardous waste and site remediation standards. These studies will assist contributing companies in achieving the highest product stewardship goals and in oversight of their risk management programs.

**Challenges:** The proposed studies meet several technical, ethical, and cultural/political challenges.

- Technical - In order to stand up to scientific scrutiny, studies must be large, well-managed, and incorporate the latest technology. State-of-the-art research is absolutely necessary to make real progress in developing sound benzene risk assessments. To that end, a Scientific Review Panel made up of leading experts from a number of fields relevant to these studies has reviewed and endorsed the research protocols. Additionally, the protocols have been reviewed by Use of Human Subjects Committees (IRB) both in the US and China.

# SHANGHAI HEALTH STUDY

## Overview

- Ethical - To address ethical issues posed by the study, the protocols have undergone a thorough analysis to ensure that they meet international standards for research involving humans, including for example insuring that the subjects and the communities benefit from participating in the study; that confidentiality is preserved, and that participants are fully informed about the research to give their informed consent. An Ethics Panel is part of the oversight for the project. It includes bioethicists from the U.S., China and Europe.
- Cultural/Political – A key to this program's success is local partnerships. Collaborators on these studies include researchers from the Medical School at Fudan University, the Institute for Public Health Supervision, and the Shanghai Municipal Centers for Disease Control and Prevention (the latter two are governmental agencies responsible for occupational exposure monitoring and enforcement in Shanghai).

**Funding:** Funding for the project is being provided by a consortium of interested oil and chemical companies. It is anticipated to take five years to complete the project, and that the costs are highest in the first years of the project.

**For More Information:** Please contact any one of the following individuals.

|                       |               |                                                                                      |                    |
|-----------------------|---------------|--------------------------------------------------------------------------------------|--------------------|
| Don Burnett, PhD      | BP            | <a href="mailto:burnettdm@bp.com">burnettdm@bp.com</a>                               | 630-420-5093       |
| Patrick Beatty, PhD   | ChevronTexaco | <a href="mailto:patrickbeatty@chevrontexaco.com">patrickbeatty@chevrontexaco.com</a> | 510-242-7037       |
| Myron Harrison, MD    | ExxonMobil    | <a href="mailto:myron.c.harrison@exxonmobil.com">myron.c.harrison@exxonmobil.com</a> | 972-444-1673       |
| Chris Roythorne, MD   | BP            | <a href="mailto:chris.roythorne@uk.bp.com">chris.roythorne@uk.bp.com</a>             | 44 (0)20 7496 4126 |
| Lorraine Twerdok, PhD | API           | <a href="mailto:twerdokl@api.org">twerdokl@api.org</a>                               | 202-682-8344       |
| Bruce Jarnot, PhD     | API           | <a href="mailto:jarnotb@api.org">jarnotb@api.org</a>                                 | 202-682-8473       |

## BHRC Regulatory & Technical Outreach Plan

| Organization (contact)                                                                                                                  | BHRC Lead                 | Conference | Action                                                                                                                                | Timing        | Status    | Outcome/Comments                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Regulatory / standard setting organizations</b>                                                                                      |                           |            |                                                                                                                                       |               |           |                                                                                                                                                     |
| US EPA – DC<br>(Bill Farland, Peter Preuss, Bob Sonowane, Michael Brown)                                                                | Patrick & Stuart          | No         | Set up meeting with EPA contacts (probably in DC)                                                                                     | 3Q04          | Pending   |                                                                                                                                                     |
| IARC<br>(Vincent Coglianor)                                                                                                             | Technical Committee       | No         | Contact Jerry Rice for advice on how to contact                                                                                       | 4Q04          | Pending   |                                                                                                                                                     |
| EU Environment DG                                                                                                                       | Patrick                   | No         | Email Dr. Greim to determine what EU/Germany regulators are/should attend the October, 2004 International Benzene Symposium in Munich | 3Q04          | Pending   |                                                                                                                                                     |
| Cal EPA                                                                                                                                 | Patrick                   | No         | Contact by phone or in person                                                                                                         | 4/Q04 or 1Q05 | Pending   | Interested, but no money                                                                                                                            |
| German MAK                                                                                                                              | --                        | ?          | Anticipate attendance at International Benzene Symposium, where investigators will be presenting SHS information                      | 4Q04          | Completed |                                                                                                                                                     |
| Health Canada<br>(Betty Meeks)                                                                                                          | Patsy & Brian             | No         | Contact Geoff Granville (Shell Canada) and Roger Keefe (Imperial Oil) for advice for contact                                          | 3Q04          | Pending   | Betty Meeks                                                                                                                                         |
| OSHA                                                                                                                                    | None Designated           | No         | Identify OSHA contact and schedule meeting                                                                                            | 1/2Q05        | Pending   | • Need to identify BHRC lead                                                                                                                        |
| ACGIH<br>(Jim Pierce)                                                                                                                   | Stuart (on TLV committee) | No         | ACGIH is not currently working on benzene; seek opportunity to inform as an FYI                                                       | 2Q05          | Pending   |                                                                                                                                                     |
| Australia<br>( <a href="mailto:info@nohsc.gov.au">info@nohsc.gov.au</a> or <a href="mailto:info@nicnas.gov.au">info@nicnas.gov.au</a> ) | BHRC OC members           | ?          | Pursue company contacts in Australia                                                                                                  | 2Q04          | Pending   | Margaret Donnan @ PACIA ( Australian Plastics & Chemicals Industries Association)<br><a href="mailto:mdonnan@pacia.org.au">mdonnan@pacia.org.au</a> |
|                                                                                                                                         |                           |            |                                                                                                                                       |               |           |                                                                                                                                                     |

## BHRC Regulatory & Technical Outreach Plan

| Organization (contact)                             | BHRC Lead                                  | Conference | Action                                                                                                 | Timing | Status    | Outcome/Comments                                  |
|----------------------------------------------------|--------------------------------------------|------------|--------------------------------------------------------------------------------------------------------|--------|-----------|---------------------------------------------------|
| <b>Research organizations</b>                      |                                            |            |                                                                                                        |        |           |                                                   |
| NCI (Martha Linet)                                 | Technical Committee                        | ?          | NCI will attend International Benzene Symposium (Hayes to Chair session); seek contact at that meeting | 4Q04   | Pending   |                                                   |
| UK MRC (Michael Brown)                             |                                            | ?          | Len Levy is on Benzene Symposium organizing committee, so initial contact has been made                | --     | Completed |                                                   |
| US EPA (NCEA) – RTP (George Woodall, Larry Cupitt) | Patrick                                    | ?          | Contact George Woodall (phone call) to inform of SHS presentations at Benzene International Symposium  | 3Q04   | Pending   | Stuart and Patrick to clarify organization(s)     |
| NIEHS (Mike Shelby)                                | Stuart & Lynn (Myron Harrison to contact?) | ?          | Contact Mike to inform of SHS presentations at Benzene International Symposium                         | 3Q04   | Pending   |                                                   |
| NIOSH – Cincinnati                                 | Myron Harrison                             | Yes        | Inform of SHS at next regularly scheduled call/meeting                                                 | ??     | Pending   | • Myron needs to be contacted                     |
| <b>Non-Governmental Organizations (NGOs)</b>       |                                            |            |                                                                                                        |        |           |                                                   |
| Leukemia & Lymphoma Society                        | Patrick & Stuart                           | No         | Contact Dr. Larson for advice on how to approach                                                       | 3Q04   | Pending   | • Contact Dr. Larson at 2004 SHS Annual Meeting?  |
| American Cancer Society                            | Patrick & Stuart                           | ?          | Contact Dr. Larson for advice on how to approach                                                       | 3Q04   | Pending   | • Contact Dr. Larson at 2004 SHS Annual Meeting?  |
| Hematology Society                                 | Patrick & Stuart                           | Yes        | Contact Dr. Larson for advice on how to approach                                                       | 3Q04   | Pending   | • Contact Dr. Larson at 2004 SHS Annual Meeting?  |
| <b>Oversight Committee Recommended Groups</b>      |                                            |            |                                                                                                        |        |           |                                                   |
| Labor                                              | Patsy                                      | No         | Contact PACE                                                                                           | ??     | Pending   |                                                   |
| Aromatic Producers Association (CEFIC)             | Patsy                                      | Yes        | Inform at next scheduled call/meeting                                                                  | ??     | Pending   | David Young, Aromatics business manager in Europe |

## BHRC Regulatory & Technical Outreach Plan

| Organization<br>(contact)             | BHRC<br>Lead          | Conference | Action                                   | Timing | Status    | Outcome/Comments |
|---------------------------------------|-----------------------|------------|------------------------------------------|--------|-----------|------------------|
| IPIECA                                | Lorraine<br>and Brian | ?          | Inform at next scheduled<br>call/meeting | 4Q04   | Pending   |                  |
| CONCAWE                               |                       | No         | Already contacted                        | --     | Completed |                  |
| ACC Long Range<br>Research Initiative |                       | NO         | Already contacted                        | --     | Completed |                  |