

## Minutes

### American Petroleum Institute COMMITTEE ON REFINERY EQUIPMENT

1:00 p.m. - 5:00 p.m.  
Monday  
September 24, 2001  
Los Feliz Room

1:00 p.m. – 5:00 p.m.  
Tuesday  
September 25, 2001  
Los Feliz Room

Westin Bonaventure Hotel  
Los Angeles, California

Bob Cox, Acting Chair

MEETING PURPOSES: 1) Discuss industry trends that impact the standards-writing work of CRE and its subcommittees and decide whether the work should be redirected;  
2) Review and act on recommendations from CRE committees and subcommittees.

#### **CRE Meeting - Day 1 Monday, September 24, 2001 1:00-5:00 p.m.**

1. OPENING REMARKS & MEETING PURPOSE B. Cox  
(1:00)

1.1. Approval of agenda

The agenda was approved with the addition of three items: 579 Project leadership and Refractory document and Inspection certification, and the addition of staffing requirements to the Project Justification Form.

2. INTRODUCTIONS AND REGISTRATION All

B. Cox welcomed the attendees. In attendance were B. Cox, Equilon, D. Miller, API Staff, B. Johns and G. Tamalis, Texaco, D. Quinn, Equilon, R. Nichols, Roddey Engineering, and T. Snowden, Shell Canada.

3. REVIEW & APPROVAL OF May 7/May 9, 2001 MEETING MINUTES B. Cox

The previous meeting minutes were approved as distributed.

4. PROJECT & COMMITTEE REPORTS & ISSUES

(1:10) 4.1 Project Coordinating Committee D. Quinn

D. Quinn and B. Cox reported on the morning's Project Coordination Committee meeting. In addition to reviewing the 2001/2002 budget, three project justification forms were approved: revisions of two standards, RP 536 (SCHTE) and RP 594 (SCOP), both due for their 5 year review, and a new RP on an API Approach to Pulsation and Vibration Control for Reciprocating Machinery (SOME).

(1:25) 4.2 Regulatory Action Program Update:

J. Riley

J. Riley reported on the Regulatory Action Program Steering Committee activities. API is employing two consultants for this work, and the RAP SC is supportive of this current arrangement. The RAP SC will be focusing in the future on improving the understanding of state regulatory bodies on acceptance of API RBI and FFS technology.

(1:45) 4.3 RBI Project and Joint ASME/API PVP Insp. Code Status

J. Reynolds

J. Reynolds reported on the RBI project had selected M&M Engineering as the lead contractor on the RBI project for the implementation phase and also as the marketing arm for the RBI project. DNV had been the contractor for the development phase and is planning to join the RBI project user group. The first RBI meeting with M&M is scheduled for October 8 & 9 in Houston. J. Reynolds then reported on the status of the proposed joint ASME/API PVP inspection code. A meeting had been planned for mid-September with API, ASME, and NB staff to discuss the issue that had been cancelled and will hopefully be rescheduled in the near future.

(2:15) 4.4 FFS Update

D. Osage

J. Reynolds reported on the status of the API-ASME joint FFS committee for D. Osage. The issue of the leadership of the 579 project was discussed in light of the fact that the RAP SC plans to start promoting FFS to the states, and the question was raised if the project would be better positioned if an owner-operator held the chair. J. Reynolds will monitor the issue and make a recommendation at the following meeting. The joint API-ASME group is being formed, and should have their first meeting in the fourth quarter of 2001.

(2:45) **BREAK**

5. CRE SPECIAL TOPICS

B. Cox

(3:00) 5.1 The challenge of the demographics of the refinery engineering staff.

D. Miller

D. Miller reported on API's program on industry image and retention as it relates to the broader issue of declining user participation in light of the CRE Sunday evening workshop. D. Quinn reported on the knowledge transfer process that is taking place at the Equilon Refineries. T. Snowden reported on the Shell Canada experience in recruiting from the pulp and paper industries, electronic scanning of specialist materials, and world wide hiring practices. The issue of adding more technology-transfer opportunities like the OPS and SC roundtables will be discussed as a future Sunday evening session.

6. CRE 2001/2002 RESEARCH PRIORITIES All

(3:45) 6.1 Briefing: 2001/2002 Research Planning B. Cox

B. Cox and R. Nichols reviewed the revised 2002 budget as reviewed during the Project Coordination Committee meeting. The 2001 PVRC and WRC funding was reprogrammed as follows: \$45,000 for PVRC and \$10,000 for WRC was reprogrammed to \$ 25,000 for PVRC and \$5,000 for WRC, freeing up \$10,000 for 574 and \$15,000 for 577 Master Editors.

7. SUBCOMMITTEE TRIENNIAL REPORTS

(4:15) 7.1 Subcommittee on Pressure Vessels & Tanks B. Elliott

B. Elliott gave the Subcommittee on Pressure Vessels & Tanks triennial report, see attached.

(5:00) Adjourn Day 1 of meeting.

**CRE Meeting - Day 2**  
**Tuesday, September 25, 2001**  
**1:00 p.m. – 5:00 p.m.**

Tuesday, September 25 attendees: B. Cox, Equilon, D. Miller, API Staff, G. Tamalis, Texaco, D. Quinn, Equilon, R. Nichols, Roddey Engineering, and T. Snowden, Shell Canada.

8. INTERNATIONAL STANDARDS COORDINATING COMMITTEE M.Rogalski

(1:00) 8.1 Report of September 24 & 25, 2001 Meeting and ISCC Rules Committee

D. Saile reported for M. Rogalski. The ISCC meet Monday and Tuesday of CRE Fall Refining week, with Chairman M. Rogalski participating by conference call. The "in-sync in two years"

progress was reported on, with 11 of 22 standards in-sync, 2 out-of-sync, and the other 9 remaining standards with work underway. The scope of ISO/TC 67 will be modified to include petrochemical. The issue of funding the technical editing of the 22 CRE standards was then discussed. A proposal will be made for a special solicitation fund establishing an allocation of \$15,000 per document for the 22 documents to speed up the technical editing of the 22 CRE standards being developed in conjunction with ISO/TC 67.

## 9. API STAFF REPORT

- (1:45) 10.1 Written Status Reports D. Miller
- CRE Work Program Status Report See CRE Web Page
  - CRE Subcommittee Metrics See CRE Web Page
  - Subcommittee Chair Rotation See CRE Web Page
  - Subcommittee Sponsors See CRE Web Page
  - Inspector Certification Programs (Agenda Attachment 4)
  - Standards Review Schedule See CRE Web Page
  - Subcommittee and Task Force Chairs See CRE Web Page

D. Miller gave the API Staff report. The new API web site was then discussed. It was recommended that navigation to the individual API standards committee sites be modified so that it is easier to find these sites, perhaps by developing a single "API committees" location on the new site.

(2:00) **BREAK**

## 10. SUBCOMMITTEE REPORTS

- (2:10) 10.1 Subcommittee on Piping D. Ermis

D. Ermis gave the SCOP report. He reported on the four ballots that had been reviewed during the Fall 2001 meeting. The API 594 Project Justification Form that would include flanged end and weld end swing check valves into 594 was also discussed. D. Ermis reported that the SCOP meetings were running at about 50-60% attendance this meeting.

- (2:30) 10.2 Subcommittee on Heat Transfer Equipment E. Shepard

E. Shepard gave the SCHTE report, see attached.

- (2:50) 10.3 Subcommittee on Mechanical Equipment C. Cook

C. Cook gave the SOME report, see attached. Mr. Cook noted that this was his last report as SC Chair as he is completing his term at the end of this year. R. Jones, Shell, becomes the SOME chair effective January 2002, with T. Roehm, MAPLLC as vice chairman.

(3:10) 10.4 Subcommittee on Corrosion & Materials

N. Niccolls

N. Niccolls gave the SCM report, see attached. He recommended that if \$20,000 was available in 2001 it could be used to study computational fluid dynamics.

(3:30) 10.5 Subcommittee on Inspection

A. Wolf

J. Riley gave the SOI report for A. Wolf. 510 and 570 re-certification section ballots were resolved. Two technical inquiries were completed. The SOI standards are in good shape as far as currency goes. Ballot comments on 573 and 580 were resolved. Funding for a 577 Master Editor may be reprogrammed from other SOI funds. An effort to reorganize 510 will be soon launched. Coordination between other CRE subcommittees and the upstream equipment group as it relates to piping inspection is underway. A. Wolf finishes his term as SOI chair at the end of 2001, with J. Riley assuming the chair in January 2002.

11. RECOMMENDATIONS AND CONCERNS FROM CRE AND SUBCOMMITTEES

B. Cox

(4:10) 12.1 Items to discuss at next meeting/agenda Improvements

All

1. Recognition for task force members when the API standard is published.
2. Continue conference call availability at future meetings to improve the ballot resolution process.
3. Registration fees for Task Force Chairs who are independent consultants.
4. Additional technical roundtables at the subcommittee to encourage participation.
5. API staff and Chair responsibilities need to be clarified.
6. Learnings from the Fall 2001 meetings as a possible Sunday Workshop meeting.

12. NEW BUSINESS

B. Cox

The following new business items were then discussed:

- 579 Project leadership – see item 4.4 above

- Refractory document and Inspection certification – a significant portion of the SCM joint meeting will be a report by the Refractory Task Group and at the Spring 2002 meeting. The Refractory Task Group chair, J. Peterson will be asked to report to the SOI on the group’s activity.
- The addition of staffing requirements to the Project Justification Form – staffing requirements to be added and communicated to all the SC officers.
- Meeting effectiveness – After attending several meetings, T. Snowden reported that the use of conference call equipment was helpful, and that the chairs were doing a good job assuring that all the participants were involved.
- CRE Strategic Vision – The Spring 2002 CRE meeting will include a strategic planning session on Wednesday PM.

13. NEXT MEETING

D. Miller

The next CRE meeting will take place with the 2002 Spring Refining Meeting, April 22-24, 2002, Hyatt Regency Hotel, Chicago, Illinois.

14. ADJOURNMENT

The meeting adjourned at 5:00 PM.

Reviewed by API Office of General Counsel