

**API Subcommittee 11**  
Field Operating Equipment  
Winter 2009 Meeting  
Minutes of API SC11

Date: Wednesday, January 21, 2009

Time: 8:00 to 12:00

Location: Grand Hyatt San Antonio, San Antonio, TX

Agenda Items:

1. Attendance – (See Attachment 1)
2. Bennie Williams, sitting in for Sid Thomas opened the meeting at 8:10 with the adoption of the agenda with the addition of approving the minutes from the SC meeting in Fort Worth on 1/8/08.
3. The winter meeting minutes were accepted by the SC after a revision. The 8/5/08 meeting minutes were accepted.
4. Ed Baniak reviewed the 2008 ballot outcomes
  - a. Reaffirmation of 7B-11C; 7C-11F; 11AR; 11ER; 11G; 11S; 11S1; 11S2; 11S3; 11S4; 11S6; 11S7; 11S8 – all documents passed ballot and reaffirmed. CRE indicated there was interest by some of their members to participate in WG's to revise 11S documents. The name of a contact was given to Norm Hein, the TG chair.
  - b. Withdrawal of 1B (6/9/08); 11K (3/4/08); 11L4 (3/4/08); 11N (3/4/08); 11PGT (3/4/08); 11T (3/4/08); 12GDU (4/29/08)
  - c. Ballot 1348 – *Revision of RP 11S5* – Published as 2<sup>nd</sup> Edition, April 2008. There were editorial comments included in the revised document.
  - d. Ballot 1357 – *Reclassification of RP11L as TR 11L* – Published as 5<sup>th</sup> Edition, June 2008
  - e. Ballot 1372 – *Back adoption of ISO 15136-2 as API 11D3* – Published as 1<sup>st</sup> Edition, June 2008
  - f. Ballot 1390 – *Reclassification of RP11L6 as TR 11L6* – Published as 2<sup>nd</sup> Edition, May 2008
  - g. Ballot 1396 – *Revision of RP 11BR* – Published as 9<sup>th</sup> Edition, August 2008
  - h. Ballot 1443 – *Revision of Spec 11E* – Published as 18<sup>th</sup> Edition, November 2008 (Effective May 2009). There were editorial comments on the revision that will be addressed by issuing an errata (mainly dealing with symbols used in the document) after the comments have been fully reviewed.
  - i. Revision (and Transfer) of 12B; 12D; 12F; 12J; 12K; 12L; 12N; 12P; 12R1 – all revised (except 12N and 12R1 [which were reaffirmed] and transferred to CRE effective November 2008
5. Ed Baniak indicated there were 5 documents under review
  - a. Upcoming (2009) SC11 Ballots
    - i. Back adoption of ISO 15136-1 as API 11D2. Document is under DIS review. It should be out for FDIS ballot in 2009.
    - ii. Revision of API 11AX – WG chaired by B. Williams.
    - iii. Revision of API 11B – WG chaired by B. Williams.
    - iv. Revision of API 11ER – WG chaired by D. Doyle.
    - v. Revision of API 11G – WG chaired by D. Doyle.
    - vi. API 11E is no longer being pursued by ISO due to issues with converting to SI units. It may be reconsidered by ISO if technical difficulties are resolved.
6. Report/Updates from task groups
  - i. 11AX Revision – Benny Williams. Held organizational meeting in Midland on 12/8/08 and will meet again this afternoon to review scope. Plan to bring the 1 1/16" pump back into the document, revise material specs, tolerance issues and seating cup dimensions. There was a suggestion that a purchasing annex be added to provide a template for ordering equipment. The document should be ready for balloting at the summer meeting.

- ii. 11B Revision – Benny Williams. The document is undergoing final editing and review by the WG. The document should be ready for balloting before the summer meeting. There was a discussion about SI conversions. The basis for values is US Customary Units and in case of discrepancies, US values will take precedence. The Measurement Standards, Chapter 15, has a table for conversions, which will be supplied by Ed Baniak to the WG chair for reference.
- iii. 11ER Revision – David Doyle. The mostly editorially revised document should be ready for balloting by March.
- iv. 11G Revision – David Doyle. There is some reworking required for this document before it is ready for balloting.
- v. 11S Suite of RPs – Norm Hein

#### 7. API SC11 and ISO Cooperation – Sid Thomas

There was discussion on ways to work cooperatively between SC11 and ISO WG4. This effort will start with a document on drive rods for PC pumps because operating conditions are different that for reciprocating rods. There is a concern that ISO documents are basically manufacturing documents and don't contain enough specifications to ensure close tolerances to allow for interchangeability. Suggestions were made to contact Austin Freeman, Will Black and Shauna Noonan to press our need to establish a workable standard from the ISO document.

#### 8. New Business

- a. SRRR for Revision of API Spec 11E (See Attachment 2)  
The SC approved setting up a WG to include circular-arc gear reducer specifications with the group headed by Yan Peirong with other expertise provided by Liu Shijun, Guo Dong and De Lin Du. Darrell Copsey will be liaison to the SC.
- b. Errata for API Spec 11E were issued to David Doyle for review
- c. Contract work [submitted by Norm Hein] for new RP.  
A document on lease piping was prepared by Norm Hein and submitted to API. It will distributed to SC members for review for discussion at the next SC meeting to determine if it is sufficient to ballot or if additional work is needed. The next phase(s) of development would be to provide specific standards for compliance. Any additional contract work will need a new contract to be written.
- d. WG meetings will be in conjunction with the SC11 meeting in Denver this June. Breakout rooms will be made available for morning meetings and the SC will meet in the afternoon.

#### 9. Adjourned at 11:50 AM

**RECORD OF MEETING ATTENDANCE**

GROUP SC11 CHAIRMAN SID THOMAS  
 MEETING SC11 TIME 8:00 AM DATE 1-21-09

COMMITTEE MEMBERS SHOULD MAKE CHANGES TO THEIR PERSONAL RECORD ON THE ATTACHED ROSTER.  
 VISITORS ADDING NAMES TO ROSTER WILL NOT AUTOMATICALLY BECOME MEMBERS OF THE COMMITTEE.

Indicate BEFORE YOUR NAME if you are:

- (M) Member of the Committee in session
- (R) Representing a Committee Member (if so, state member's name)
- (V) Visitor – ONLY voting members or their Representatives may vote
- (S) Staff

↓	NAME (Please Print)	COMPANY/PHONE or email
M	BENNY WILLIAMS	HARBISON-FISCHER/817-297-2211
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**THIS FORM MUST BE RETURNED TO THE API STAFF**

API standards meetings are open to all interested parties. By participating in the standardization process, you agree: (1) to fully comply with API's policies and procedures governing standards, (2) that once balloted and approved by API, API shall have the sole and exclusive right to use any materials that are submitted by the participant for use in the standard, (3) you will not provide any material that will violate the rights of any third parties including, but not limited to, patents, copyrights, trade secrets, and trademarks, and (4) to disclose the existence of any patented technologies in the material that you provide.

**ATTACHMENT 2**

**AMERICAN PETROLEUM INSTITUTE  
EXECUTIVE COMMITTEE ON STANDARIZATION  
STANDARDS RESOURCE & RESEARCH REQUEST**

Standard Designation (e.g., RP 2A): API Spec 11E Budget Year: 2009

Title, Edition: API Spec 11E Edition 18 addition a new annex (normative)

**Title: Calculation torque ratings for pumping unit double circular-arc gear reducers**

Matrix Ranking (Class 1, 2 or 3): 1

Subcommittee: SC11

Proposed Action (new standard, revise, reaffirm, withdraw): revise

**PART 1 – Committee Resources**

RESOURCE PLAN
<p>What is the business need for the proposed action? If possible, please indicate potential cost savings to industry.</p> <p><b>Provided the size and raw materials are the same, double circular-arc gear reducers are remarkably superior to involute gear reducers in terms of carrying capacity. So the application of double circular-arc gear reducers to pumping units can considerably decrease the consumption of raw materials and consequently cut down the manufacturing cost of pumping units. Moreover, a complete system of theories has been brought into being regarding the designing, manufacturing, and inspecting of double circular-arc gear reducers. Pumping units with doubl circular-arc gear reducers have been used in various oil fields around China for many years.</b></p>
<p>What is the scope of the standard?</p> <p><b>we propose to revise API Spec 11E by supplementing it with contents related to double circular-arc tooth gear reducers.</b></p>
<p>Is this standard on the work program of another standards development organization (ISO, ASTM, ASME, etc.)? If yes, is the work being coordinated with the appropriate group? Are there special circumstances that would justify independent API initiation of the proposed action?</p> <p><b>After accomplishing revision, API Spec 11E edition 18 will be transformed into ISO 10431 by ISO/TC67/SC4 secretariat according to ISO program.</b></p>
<p>Are a volunteer chair, content manager, and group of experts available to perform the proposed action? Please include names and company affiliation if available.</p> <p><b>Proposed project leader: Name: yan peirong Company: Beijing Purstar Technology Co. Ltd, China</b></p> <p><b>Experts: Name: Liu Shijun Company: Zhengzhou Research institute of Mechanical Engineering, China Name: Guo Dong Company: 1<sup>st</sup> Machinery Works of North china Petroleum, Chinai Name: De Lin Du Company: Standardization Research Institute of Petroleum Industry, China</b></p>
<p>Is there a need to commit resources to supplement the development of the draft? Would a paid content specialist accelerate progress on the revision? Is there a readily available content specialist?</p> <p><b>No</b></p>

Are there special format requirements for final document (i.e., knowledge of ISO template required), significant graphics, photos or equations required that would need extraordinary resources?

**Finish draft (see attached for annex)**

Please provide any other information that is pertinent to the proposed action?

**No**

What are the implications of not initiating the proposed action? Include potential safety, reliability, environmental and financial impacts that may arise.

**No**

Is there research proposed to accomplish the proposed action? If yes, complete Part 2 of Resource Model.

**No**

<b>Project Timing</b>	Start date: <b>2009</b>	Draft ready for letter ballot: <b>2009</b>	
<b>TG/WG</b> (estimated number of volunteers needed)	<b>Chair</b> ("\$ amount "if needed" or volunteer")	<b>Content Management</b> ("\$ amount "if needed" or volunteer")	<b>Resource Request</b> (\$ and/or people)
	<b>volunteer</b>	<b>volunteer</b>	

**Submitter:** Yan Peirong, Beijing Purstar Technology

**Date:** 12/20/2008

3/22/05

