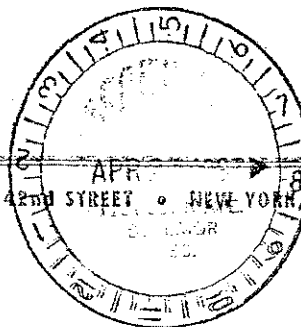


# HYDRAULIC INSTITUTE

1967 APR 21 AM 8:14



122 EAST 42ND STREET • NEW YORK, N. Y. 10017



April 20, 1967



To: All Members of Committee to Review  
Military Specifications

|                            |                             |
|----------------------------|-----------------------------|
| I. A. Jelly, Chairman      | K. J. McGuckin              |
| B. W. Ellis, Vice-Chairman | (J. C. Northam - Alternate) |
| J. B. Freed                | E. H. Schanzlin             |
| C. G. McGinnis             | T. J. Sniffen               |

Subject: Joint Conference - Navy Department Representatives  
and Pump Manufacturers  
Washington, D. C. - March 16, 1967

Gentlemen:

Attached is a report covering the above Joint Conference.  
This was submitted in writing to the Naval Ship Engineering Center  
and approval as to its accuracy obtained.

In line with the decision at the March 16 meeting, thought  
is now being given to the scheduling of the second session during  
the month of June, 1967. You will be advised when a date has  
been selected.

Very truly yours,

Frank P. Anderson  
Secretary

FPA:eu

Enclosure

cc: Messrs. Lindros, McCammon, Metzgar,  
Navratil, Schivley, Schumacher,  
Tuthill, Herndon, Weom, Sence,  
Fish, Paashaus, White, Cox, DeFerro,  
Donohue, Dralle, Gibson, Glass, Paugh  
and Marischen

SLM00177

REPORT: Joint Conference with Representatives of the  
Naval Ships Engineering Center,  
Naval Ships Systems Command

PLACE OF MEETING: The Mayflower Hotel, Washington, D. C.

DATE AND TIME: Thursday, March 16, 1967 - - 9:00 A.M.

PRESENT:

Naval Ships Systems Command

M. S. Cohen  
A. A. Napoletano  
T. E. Norton  
V. Wiersma

Hydraulic Institute

|                   |                                 |
|-------------------|---------------------------------|
| F. Bryant         | Worthington Corporation         |
| D. F. Cress       | Allis-Chalmers Mfg. Co.         |
| D. Cullman        | Byron Jackson Pumps, Inc.       |
| B. W. Ellis       | Buffalo Pumps Division          |
| M. F. Hagerstrom  | Ingersoll-Rand Company          |
| L. G. Humphrey    | Buffalo Pumps Division          |
| I. A. Jelly       | Aurora Pump Division            |
| C. G. McGinnis    | Ingersoll-Rand Company          |
| E. G. Nash        | Carver Pump Company             |
| F. Navratil       | Bingham Pump Company            |
| R. F. Paashauss   | Worthington Corporation         |
| C. D. Stauffer    | Fairbanks Morse Inc., Pump Div. |
| H. J. Welch       | DeLaval Turbine Inc.            |
| F. E. White       | Allis-Chalmers Mfg. Co.         |
| Frank P. Anderson | Institute Staff                 |

Others

|                   |                     |
|-------------------|---------------------|
| R. J. Cox         | Ampco Metal, Inc.   |
| O. DeFerro        | Pacific Pumps, Inc. |
| J. A. Donohue     | M. T. Davidson      |
| C. W. Dralle      | Ampco Metal, Inc.   |
| M. D. Gibson, Jr. | Warren Pumps, Inc.  |
| H. L. Glass       | Warren Pumps, Inc.  |
| J. J. Paugh       | Warren Pumps, Inc.  |

Purpose of Meeting:

This conference was arranged at the request of the Hydraulic Institute to provide an opportunity to discuss comments by both members and non-members of the Hydraulic Institute relative to the following Specifications:

- MIL-P-17881B - Pumps, Centrifugal, Boiler Feed (Multi-Stage)
- MIL-P-18472D - Pumps, Centrifugal, Condensate, Feed Booster and Distilling Plant
- MIL-P-17639B - Pumps, Centrifugal, Miscellaneous Service
- MIL-P-18082A - Pumps, Centrifugal, Main Condenser Circulating

COMMITTEE TO REVIEW MILITARY SPECIFICATIONS

EXHIBIT NO. 1  
MARCH 15, 1967

SLM00178

Agenda of Meeting: (Contd.)

Because of the time element and the belief that basic principles were involved, the discussion on Specification MIL-P-17639B was undertaken in full detail with the thought that much of the reasoning would carry over to the other three Specifications. Nevertheless, the group all felt that discussion on the other three Specifications should be carried out at a later date when time permitted.

Discussion:

Prior to this meeting all of the comments, fully identified, had been submitted both to the Navy Department Representatives and to all of the companies which had submitted comments.

In addition to the foregoing, all of the comments had been arranged to correspond to the sequence of the Specifications themselves. This was to facilitate discussion. The text was not altered in this reorganization.

In response to a request from the Navy Department Representatives, the comments were roughly classified into five categories, as follows:

1. Request for information or clarification of intent.
2. Comments specifically applicable to problems of individual companies.
3. Comments which implied that the resulting costs were not commensurate with the technical benefits to be gained.
4. Comments implying that Specifications are unfair or unjust.
5. Comments which indicated that certain of the paragraphs would make bids all but impossible, since a prospective bidder would not have the information required to meet Specifications at the time that the invitations to bid were published.

Attached as Exhibit A is a tabulation indicating those paragraphs on which comments were submitted. This tabulation indicates those paragraphs on which further action is required as a result of the foregoing discussion. Where no action is required, the paragraph number is merely listed with the comment, "Comments discussed."

A copy of this tabulation was submitted to the Navy Department Representatives subsequent to the meeting for confirmation of the understanding recorded.

Time and Place of Next Meeting:

The consensus was that there should be another Conference similar to this one in Washington during the month of June, 1967.

Adjournment:

The feeling of everyone present indicated that this Conference had resulted in much better understanding, and the Navy Department Representatives were thanked for their cooperation and participation.

Adjournment: (Contd.)

There being no further business, the Conference adjourned.

Reported by  
Frank P. Anderson  
Chairman

REPORT ON JOINT CONFERENCE  
Navy Department Representatives and Pump Manufacturers  
Washington, D. C. - March 16, 1967

MIL-P-17639B - Pumps, Centrifugal, Miscellaneous Service

2.2 - Comments discussed.

3.1 - Discussed QPL letter of November 1, 1967 type which appears to override the Specification. Navy to consider further and prepare revised paragraph text for comparison with draft to be prepared by pump manufacturers.

3.2 - Navy to consider this requirement further.

3.2.1 - With progressive installation of computers, ship log data will become available in the future according to Navy Representatives.

3.2.1.2 - Navy and pump manufacturers to draft suggested rewording.

3.2.1.3 - Comments discussed.

3.2.2.4 - Comments discussed.

3.2.2.9 - Comments discussed.

3.2.2.11 - Navy believes that time limit should be added - will clarify.

3.2.3.1.3 - Navy will clarify with regard to application of shock requirement.

3.2.3.2.5 - Navy will eliminate conflict between this Specification and MIL-STD 1302.

3.2.3.5.1 - Comments discussed.

3.2.11.1 - Navy to reconsider.

3.2.11.2 - Comments discussed.

3.2.11.3 - Comments discussed.

3.2.11.4 - Navy prefers tests to calculations. Will consider shaker tests. Navy to consider further and prepare revised text for comparison with draft to be prepared by pump manufacturers.

3.2.12.4 - Navy considered cadmium to be corrosion resistant - threading on large end. Navy and pump manufacturers to draft suggested rewording.

3.2.12.9 - Navy has had problems and requested pump manufacturers to draft clarification.

3.2.13.1 - Navy to consult Piping Section for clarification.

3.2.14.1 - Navy will clarify.

3.2.14.4 - Comments discussed.

EXHIBIT A

SLM00181

REPORT ON JOINT CONFERENCE  
Navy Department Representatives and Pump Manufacturers  
Washington, D. C. - March 16, 1967

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Page 2

MIL-B-17639B (Contd.)

3.2.15.4 - Navy to clarify in Paragraph 6.1.

3.2.15.6 - Comments discussed.

3.2.15.7 - Comments discussed.

3.2.15.9.1 - Comments discussed.

3.2.15.9.3 - Navy will clarify to permit set screws for drive purposes  
but not for axial positioning.

3.2.16.1 - Comments discussed.

3.2.16.2 - Comments discussed.

3.2.16.3 - Comments discussed.

3.2.17.3 - Comments discussed.

3.2.17.4 - Navy interpreted this paragraph to refer to turbines when  
purchase requisition refers to Paragraph 6.1.

3.2.18.1 - Comments discussed.

3.2.18.1.1 - Comments discussed.

3.2.23 - Navy will clarify indicating application to interior devices only.

3.3.1.3.1 - Navy indicated preference not to have set screws and will  
study possible deletion of such devices.

3.3.1.4 - Comments discussed.

3.3.1.5 - Comments discussed.

3.3.2.3 - Navy to study.

3.3.3 - No comment submitted, but Navy to modify Specification to apply to  
all pumps.

3.3.4 - Comments discussed.

3.4.1 - Navy to investigate aluminum bronze.

3.5.2 Par. (c) - Navy to study substitution of "identification" for  
"procurement."

3.5.2.1 - Navy indicated that MIL-D-1000 and MIL-D-1000/2 now superseded  
MIL-D-963H.

3.5.4.2.1 - Comments discussed.

EXHIBIT A

SLM00182

MLL-P-176395 (Contd.)

3.5.4.2.1.1 - Comments discussed.

3.5.4.3.1 - Comments discussed.

3.5.4.3.2 - Comments discussed.

3.6.4 - Comments discussed.

3.6.5 - Navy to study for possible clarification.

4.1 - Comments discussed.

4.1.1 - Comments discussed.

4.1.4 - Comments discussed.

4.2 - Navy to consider further and prepare revised text for comparison with draft to be prepared by pump manufacturers.

4.2.1 - Navy to consider further and prepare revised text for comparison with draft to be prepared by pump manufacturers.

4.2.2 - Navy to consider further and prepare revised text for comparison with draft to be prepared by pump manufacturers.

4.4.1.3 - Comments discussed.

4.4.1.4 - Navy to clarify regarding temperature and liquid.

4.4.1.6 - Navy to investigate inconsistency and to consider separate listing.

4.4.2 - Navy to investigate rewording definition of complete performance map as applied to variable speed only and not to various impeller diameters.

4.4.2.1 - Navy to study steam question for clarification.

4.4.2.2 - Navy will clarify.

4.4.2.3 - Navy will clarify.

4.4.2.4 - Navy will accept statement of single value.

4.4.2.5 - Comments discussed.

4.4.3 - Navy to consider further and prepare revised text for comparison with draft to be prepared by pump manufacturers.

4.4.3.1 - Navy to consider further and prepare revised text for comparison with draft to be prepared by pump manufacturers.

EXHIBIT A

SLM00183

REPORT ON JOINT CONFERENCE

Page 4

Navy Department Representatives and Pump Manufacturers  
Washington, D. C. - March 16, 1967

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MIT-P-17639B (Contd.)

4.4.3.1.1 - Navy will investigate inclusion of disassembly requirement in driver specification.

4.4.3.1.2 - Comments discussed.

4.4.3.1.3 - Navy to study relative to sea water requirement and inclusion of requirement that mechanical seals be qualified under own Specification to eliminate retesting with pump handling explosive or hazardous fuels.

4.4.3.1.4 - Navy to study clarification regarding frequency of readings and meaning of "surveillance."

4.4.3.1.5 - Comments discussed.

4.4.3.1.6 - Comments discussed.

4.4.3.2.3 - Comments discussed.

4.4.3.2.5 - Comments discussed.

4.4.3.3 - Comments discussed.

4.4.3.4 - Comments discussed.

4.4.3.4.1 - Comments discussed.

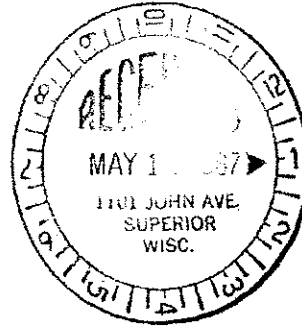
6.1 - Comments discussed.

6.2 - Navy to study Table of Pump Materials and to define salt water.

EXHIBIT A

SLM00184

*L. W. Hemingway*



May 9, 1967

Mr. Frank P. Anderson, Secretary  
Hydraulic Institute  
122 East 42nd Street  
New York, N.Y. 10017

Dear Mr. Anderson:

We offer our sincere thanks to you and your committee for the invitation extended to us for the meeting in Washington on March 16th.

The report you sent to us on April 20th is greatly appreciated.

Your consideration and hospitality is valued by us.

Very truly yours,

M. T. DAVIDSON COMPANY

James A. Donohue  
Sales Manager

JAD:m