

QUEBEC ASBESTOS MINING ASSOCIATION

TECHNICAL COMMITTEE

REPORT OF THE FORTY-THIRD MEETING

Thetford Mines, Que.
13 September 1966

PRESENT:

R. J. Dodds-Hebron, Chairman	Bell Asbestos Mines Limited
G. F. A. Brink	Asbestos Corporation Limited
W. B. R. Collan	" "
E. J. Day	Canadian Johns-Manville Company Limited
G. A. Piché	" "
J. J. Szuke	Carey Canadian Mines Limited
J. C. Elais	Flintkote Mines Limited
R. Lafeyvre	Lake Asbestos of Quebec Limited
R. Gale	National Asbestos Mines Limited
M. Cossette, Secretary	Q.A.M.A. Sherbrooke Laboratory
G. J. Foy	Quebec Department of Natural Resources
c.c.: J. Giansante	Asbestos Corporation Limited
M. C. Pharo	" "
J. P. Wronski	Asbestos Textile Institute
W. P. Archer	Canadian Johns-Manville Company Limited
J. R. M. Hutcheson	" "
V. C. Lindsay	" "
Dr. R. J. Merril	Carey Canadian Mines Limited
A. A. Winer	Dept. of Mines & Technical Surveys
W. W. Woodrooffe	" "
D. O. Poirier	Flintkote Mines Limited
L. C. Piuze	Lake Asbestos of Quebec Limited
G. Verreault	" "
J. P. Wiser	" "
G. R. Kungler	Mineral Fiber Products Bureau
F. Bolduc	Nicolet Asbestos Mines Limited
J. De. Grandpré	" "
N. P. Cook	Nicolet Industries Limited
W. H. Foster	Uniform Classification & Grading Committee

- AGENDA:
1. Minutes of the last meeting.
 2. Oil Absorption — Penetration Index
 3. Fibre Strength Unit Test.
 4. Filtration of Asbestos-Cement-Silica Mixes.
 5. A.S.T.M. Committee D-30, Subcommittee III.
 - (a) Surface Area Task Group
 - (b) Wet Classification
 - (c) Sampling.

6. Editorial Subcommittee
 - (a) Surface Area Procedures for A.S.T.M.
 - (b) Central Source of Drawings and Plans.
 - (c) Magnetic Rating Procedure.
7. New Business
8. Date and place of the next meeting.

BUSINESS:

1. The minutes of the last meeting were approved.
2. Oil Absorption -- Penetration Index:

It was reported that the Subcommittee had reached the following conclusions: The test container shall be 55mm diameter by 35mm high. The question of tapping the container during filling is to be made optional. The Low and Medium fibre standards were found acceptable. It has been proposed to use the Low standard for samples up to an index of 125 and the Medium standard beyond 125. The preferred vehicle was reported to be SC-0 but this is no longer an official grade designation. Two possible replacements are SC-70 and MC-30. The question of vehicles is to be looked into. The results of the Round Robin were said to indicate a need for avoiding multiple mixings. A new approach, based upon single mixings, is to be tried out by a new series of tests.
3. Fibre Strength Unit Test:

It was stated that the Subcommittee had reviewed the Report of Inspection on Strength Unit Test. The review was said to have raised a number of questions, and several studies have been initiated to provide some answers. It was indicated that the Subcommittee would report its recommendations at a later meeting.

It was announced that Cassiar Asbestos Corporation Limited has offered a report on Strength Unit Research prepared by the Ontario Research Foundation. This is to be passed on to the Subcommittee as soon as available.
4. Filtration of Asbestos-Cement-Silica Mixes:

A review of progress to date was made and the conclusion was offered that attempts at improving test results had not been successful. A discussion ensued and it was proposed that the Subcommittee investigate other approaches to the problem. Mr. G. F. A. Brink offered to supply the Subcommittee with a copy of the Cape Asbestos procedure. Mr. R. J. Dodds-Hebron offered to scan the research proposals prepared by Dr. A. B. Cummings for the New Standard Test Committee, in an attempt to find useful recommendations. All members are urged to send any suggestions they may have to the Subcommittee.
5. A.S.T.M. Committee D-30, Subcommittee III:

Surface Area Task Group:

It was reported that procedures rewritten in the A.S.T.M. format had been sent to Q.A.M.A. Technical Committee Members for comments, and to the Task Group for approval. These will now be submitted to Subcommittee III for letter balloting.

Wet Classification Task Group:

It was stated that the Bauer McNett procedure had been submitted to letter balloting a second time, and that results were not yet available. It was said that the study of the T & N classifier is in progress. Work is being done to show the difference between fractions collected by each classifier. It was mentioned that comparative test data may be required by A.S.T.M. for the adoption of more than one classification method. It was announced that Tyler sieves have now been adapted to one T & N classifier and that these are being tried out.

Sampling:

It was stated that the procedure had been submitted to letter balloting again, and that results were not yet available. It was mentioned that M. Cossette would represent Q.A.M.A. on the Sampling Task Group.

6. Editorial Subcommittee:

Surface Area Procedures for A.S.T.M.:
Final manuscripts are completed.

Central source of drawings and plans;

All necessary drawings have been assembled and are to be turned over to the Quebec Department of Natural Resources for redrawing.
A name plate for drawings was approved

Magnetic Rating Procedure:

It was announced by the Chairman that a letter from Mr. J. P. Wronski of the Fibre Testing Committee of A. T. I. had been received, inviting a delegation from Q.A.M.A. to attend a meeting of A.S.T.M. Committee D-13, Subcommittee A-4, Task Group on Evaluation of the Total Iron and Magnetic Iron Content of Asbestos and Their Effect on the Electrical and Chemical Properties of Asbestos. The meeting will be held at the Barbizon-Plaza Hotel, 106 Central Park, New York, on 19th October 1966 at 1:00 P.M. The purpose of the meeting will be to re-write procedure D1118-57 "Magnetic Rating of Asbestos Used for Electrical Purposes". The Editorial Subcommittee will wait for this meeting before proceeding with the rewriting of this procedure.

7. New Business:

(a) Q.S.T. Machine 35 Mesh Sieve Specifications.

It was announced that the Uniform Classification & Grading Committee had decided not to publish specifications since this sieve is not part of the approved test apparatus.

(b) Warman Cyclosizer:

Data was distributed showing outstanding results obtained in Quebec by means of a Warman Cyclosizer. It was the consensus of opinion that this device appears to have merit for classification in the sub-sieve range.

8. Date and Place of the Next Meeting:

An invitation to hold a meeting at Ottawa either this Fall or next Spring was discussed. It was felt that next Spring would be more appropriate since the interesting work being done in Ottawa may have progressed further, and the trip would be even more rewarding at that time.

An invitation to hold a meeting at the Quebec Department of Natural Resources was extended. It was decided that consideration should be given to accepting the invitation at a later date.

The next meeting of the Technical Committee will be held in the Board Room of the General Office of Asbestos Corporation Limited on Notre Dame Street South in Thetford Mines, Que., on the 8th of November 1966 at 10:30 A.M.

H. Cossette

NC-jdg