PLAINTIFF'S
EXHIBIT
DUP-1362

NEW STANDARD ON ASBESTOS ISSUED

Engineering Standard S4T, Measurement and Control of Asbestos Dust Exposure, has been included in the April issue. The standard provides information and guidance on this subject. It has been in preparation for over two years by the Safety & Fire Protection Subcommittee with the assistance of Haskell Laboratory. The following general information may assist in the study and use of this standard.

- The standard provides guidance for any Company operation in which there may be exposure to asbestos dust, and conforms with OSHA regulations.
- It is expected that each plant will establish specific rules regarding any operation which creates asbestos dust so that personnel exposure is held within the prescribed limits. Sufficient dust sample counts must be made to show that exposure is within these limits.
- Company-wide specific rules, with two exceptions, are not yet feasible. The Safety & Fire Protection Subcommittee will consider such rules at a later date if and when sufficient data are available.
- The two exceptions cover demolition and removal of asbestos insulation, and asbestos spraying. Both require supplied air respirators and special clothing. The standard assumes the dust concentration limits requiring such equipment will be exceeded whenever these operations are performed. An assumption also incorporated in the OSHA regulations. The assumption may prove incorrect for small jobs or for work handled under carefully controlled conditions. Again, the subcommittee will welcome monitoring data for future consideration of revisions.
- Medical requirements, such as examinations, records, and control included in OSHA regulations, have been noted but are not detailed in the standard. The Employee Relations Department has asked that these activities be handled by its Medical Division directly with the departments and plants involved.

Engineering Standards Program 1972 Annual Report

Several items in the 1972 Annual Report to the Engineering Standards Committee in March should be of interest to News Letter readers.

- 1972 production totaled 869 new, revised, or reaffirmed standards. At year end, there were 2,801 standards in use of which 96 percent have had complete reviews within the last five years.
- Portions of standards which are requirements of the Occupational Safety & Health Act (OSHA) were printed in red starting in February 1972. A total of 187 were issued in 1972.
- Estimated annual savings through the use of standards increased 12 percent reflecting primarily increased design and construction activity.
- The Engineering Standards Committee consists of 21 members representing every industrial department plus Central Research, Employee Relations, Engineering, and Remington Arms. They establish policies, provide general guidance, and administer the program within their departments. Sixty-nine plant coordinators promote the use of standards and provide valuable liaison at the plant sites. In addition, subcommittee membership now totals 80 from the industrial departments, 118 from Engineering, and 19 from other staff departments.

RESTRICTIONS LIFTED ON WELDING SPECIFICATIONS

For several years, approximately 75 percent of the welding specifications (5W—8 Series) have contained a clause restricting their use to Company personnel only. These 86 standards contained procedures and processes which had been developed by Du Pont research or practices and were considered proprietary.

A recent re-examination of these standards and of the general level of technology in the welding industry has indicated a need to change this policy. Most commercial practices now incorporate the information previously considered proprietary. As a consequence, these standards are being revised to remove the restriction and encourage their use both in equipment procurement and in contract work. The revision issues were begun in January 1973 and will be completed during the year. In the interim, users are encouraged to use the specifications where appropriate, waiving the restriction and adding the following in the body of the order or contract:

"The intent of this procedure is to assure welds of acceptable quality in Du Pont work. Vendors, contractors, or other users outside of Du Pont who apply this procedure are responsible for the quality of their welds. Adherence to applicable codes is required."

Possible questions on this change should be directed to K. E. Finger, Standards Section, telephone 8—121—3875.

121007

DUP 0903131

DU 024513

NEW STANDARD ON ASBESTOS ISSUED

Engineering Standard 547, Measurement and Control of Asbestos Dust Exposure, has been included in the April issue. The standard provides information and guidance on this subject. It has been in preparation for over two years by the Safety & Fire Protection Subcommittee with the assistance of Haskell Laboratory. The following general information may assist in the study and use of this standard.

- The standard provides guidance for any Company operation in which there may be exposure to asbestos dust, and conforms with OSHA regulations.
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For several years, approximately 75 percent of the welding specifications (SW—W Series) have contained a clause reserving their use to Company personnel only. These 86 standards contained procedures and processes which had been developed by Du Pont research or practices and were considered proprietary.

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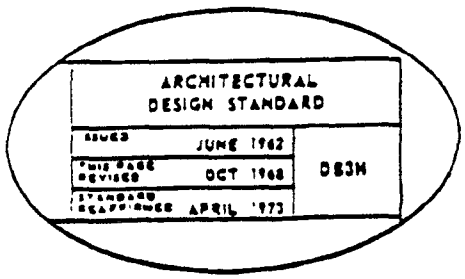
Possible questions on this change should be directed to E. E. Finger, Standards Section, telephone 8—121—3875.

DUP 0903132 121008

DU 024514

REAFFIRMATION DATE ADDED TO STANDARDS

Effective with the April issue, each standard which is reaffirmed will be issued with a new date block added on page 1. An example in this month's issue is shown below.



A standard is considered reaffirmed when a thorough review of the entire standard has been completed and any necessary revisions have been made. In such case, each page revised will show the new revision date and, in addition, page 1 will indicate the new reaffirmation date. If the thorough review reaffirms the validity of all information included (no revisions needed), the reaffirmation date will still be added on page 1 to inform the reader.

Nonmetallics Subcommittee Now Plastics and Elastomers

Effective immediately, the Nonmetallics Subcommittee will be known as Plastics and Elastomers, a change approved by the Engineering Standards Committee at its March 1973 meeting. The word "nonmetallics" was considered too all-inclusive, whereas all of the subcommittee's standards come within the new title, except for a few specifications dealing with glass and acid brick and mortar.

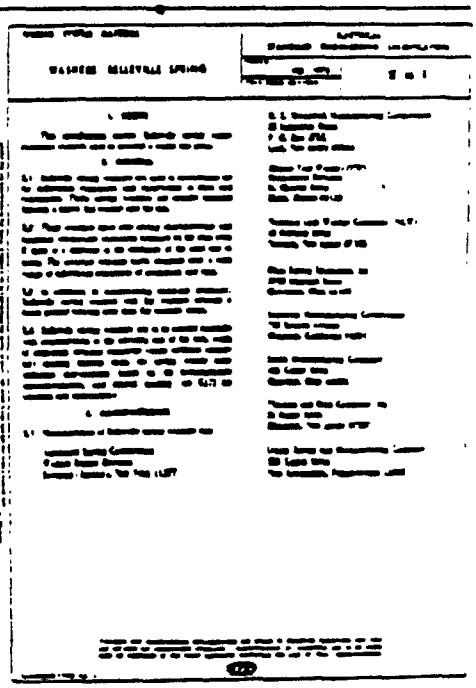
A total of 83 standards and specifications are concerned in some way with plastic and elastomeric materials. Approximately half of them are the direct responsibility of this subcommittee. The total group includes all-plastic equipment and piping standards as well as those for lined and coated materials, piping, and equipment. A listing of these maintained by the subcommittee for overall review and consultant use, is available to anyone desiring it as a personal index. Contact K. E. Fleger, phone 8—121—3875.

This format change should assist the users of standards by indicating on each standard the date the entire standard was last reviewed, regardless of other dates on the individual pages. Previously, this review date had been used by the subcommittees in scheduling.



It's in the Standards

This is a page taken from the Electrical Section of Standard Engineering Specifications. Consult your book for details. Single copies are available upon request.



OSHA STANDARDS ISSUED IN APRIL			
E10.1J	E1.1V	SW8.1W	DE3D
E13J	E3V	SW11.6W	DE4D
E13.1J	F3F	SW12.1W	PV 3
E3K	S4T	SW20.7W	PV 3.2
E10.1L	SE10.8B	SW20.9W	PV 3.3
E17L	SG1E	SW20.10W	PV 3.4
	SW1P	DE10C	

DUP 0903133

121009

DU 024515

STANDARDS ISSUED IN APRIL

The April issue comprises 2 new, 28 revised, 5 reaffirmed, and 2 canceled standards. (New standards are shown in italics.)

ARCHITECTURAL

A1E ... new rev; Figure 1 added; vapor barrier ... added

SA1D 2.1, 3.3, 3.4, 3.5, 3.6, 3.7, 3.12 rev

SB1E 3.1, 3.2 Figure ... rev

D8AM reaffirmed

CONCRETE

B4E ... new; structure in USA, terms added; Types 1A, 1C, 2A, 2C deleted

B27S ... new rev; Types A and B provisions deleted

B28S ... new rev; Types A and B provisions deleted

B29S ... new rev; admixtures added

B30S ... new rev; ... added

PLUMBING

S89 1.4A 2.2, 3.1, 4.1, 5.1, 5.2 rev; Case Base — Table 1, 2, 4, 7, 8 deleted

CIVIL

C28E Figures 1 and 2 and notes rev

C1% ... new; Figure 3 deleted

ELECTRICAL

E10.1J Figure 2 and note rev

E1.1J ... 3 now requiring ... added

E13.1J Figure 1A and 2 rev

E15J Tables 1 and 2 rev; 3.3.2 added

E36 OSHA provisions and figures, 3.3 rev

E10.1L Figure 2 and 3 rev; 2.2 added; Cat. ... updated

E16L ... rev

E17L warranty ... and moisture ... added

E1.1L OSHA provisions and 4.1 rev

E1V reaffirmed

E2V reaffirmed

E3V ... rev to update

E3V reaffirmed

E1.2Z ... 3 ... added; abbreviations added

SE1.03B 3.3 ... rev

DE10C SNM and TFN cable added, rev

DE10 ... added, ... and ... changed and ... rev

DE40 TFN-V and SNM cable added, reaffirmed

DE80 ... rev

DE8M ... rev

EYE PROTECTION

F5F 3 ... Table 1, 2, and 3 rev for OSHA provisions

PROCESS EQUIPMENT

SG1E Figure 2, ... rev Figure 10 OSHA provisions added

SG15E 2.1, 2.2, 2.9.2, 2.9.2.1 added, Figure 1 rev

ENVIRONMENTAL

J3E Figure 1, ... — ... 2.2 rev

J3P ... and new Figure added

POWER

E10C ... rev

E6R 1.2, 3.2.4, 9.4, Table 2, Figure 7A, 7B, 8A, 8B, 10 rev

LUBRICATION

L1E ... rev

SL6B ... rev and reaffirmed

MACHINE DESIGN

M10M ... rev; lubricant ... factor rev

M15M ... rev; Figure 3 and ... and ... rev

M1E ... rev

THERMAL INSULATION

SN1A ... rev to update

PIPING

P1V ... rev to update

SP10DL C5E2 ... rev

INSTRUMENTS

R110B ... rev

R111B ... rev

R112B reaffirmed

R210B ... rev; 3.1 rev

R302L ... rev

SR212P ... rev

DR430L ... rev

SAFETY

S2E8 ... rev 7.8 thermal ... to 8.8, rel rev

S47 ... and removal of asbestos ... rev

MATERIALS OF CONSTRUCTION

S81P ... rev; OSHA provisions added

S82.1E ... rev; ... OSHA provisions added

S81.11B ... rev

S81.12B ... rev

S81.13B ... rev

S81.14B ... rev

S81.2B ... rev

S82.1B ... rev

S81.3B ... rev

S81.5B ... rev

S81.6B ... rev

S81.7B ... rev

S81.20B ... rev

S820.7B ... rev; OSHA provisions added

S820.8B ... rev

S820.9B ... rev; OSHA provisions added, ... rev

S820.10B ... rev; OSHA provisions added, ... rev

S820.2B ... rev

S820.3B ... rev

S820.4B ... rev

S820.5B ... rev

MISCELLANEOUS EQUIPMENT

DY3A ... support for ... rev

CHEMICAL PROCESS

DG2F ... rev

DG100F ... rev

MAINTENANCE AND CONSTRUCTION PROCEDURES

PP 5 ... 2 added and ... rev to update

PP 11 reaffirmed

PV 3 ... and OSHA provisions added

PV 3.1 ... rev

PV 3.2 OSHA provisions added

PV 3.3 OSHA provisions added

PV 3.4 OSHA provisions added

Abbreviations above: Ref = reference, Rev = revised or revision

STANDARDS UNDER DEVELOPMENT

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CHEMICAL PROCESS

DG4E ... rev

THE NEWS LETTER IS DISTRIBUTED TO ALL STANDARDS BOOK HOLDERS AND IS SPONSORED BY THE ENGINEERING STANDARDS COMMITTEE.
ROBERT L. CLAUSMEIER, CHAIRMAN
C. E. ... EDITOR
STANDARDS SECTION, ... BUILDING
YOUR CONTRIBUTIONS AND INQUIRIES ARE INVITED

DUP 0903134

121018

DU 024516

ENGINEERING STANDARDS COMMITTEE

E. I. du Pont de Nemours & Co. (Inc.) Wilmington, Delaware 19898

ENGINEERING STANDARDS SUBCOMMITTEES
MECHANICAL EQUIPMENT

This is part of a series of articles reporting responsibilities and activities of individual Standards subcommittees.

The first four Mechanical Equipment standards were issued in 1931 and covered drafting practices and decimal equivalents. The current subcommittee was organized in 1952, and now has 50 standards within its responsibility.

This total comprises the M-, DM-, T-, DT-, and ST-Sections of standards.

- M-Section covers selection, specification, and design of machinery, including drafting practices, fluid power diagrams, safety factors, component balancing, surface finishes, cylindrical fits, part details, and fastener selection.
- DM-Section lists mechanical formulas for machine design.
- T-Section provides mechanical power transmission information on selection of drives, shafting, and couplings.
- ST-Section provides specifications needed to purchase agitator drives and hydraulic power systems.
- DT-Section provides design information on speed reducers, shafting and couplings.

All of these sections are available in the Mechanical Combination which also includes related standards useful to persons designing, purchasing, or maintaining mechanical equipment.

In recent years, the subcommittee has deleted much of the handbook type of data formerly included and has developed standards with a higher level of technology to aid in the development of machine components. Typical of these is DM2B, which provides design equations for machine components such as shafting, screw threads, flywheels, other rotating disks, cylinders subjected to pressure, and weldments.

Two new standards are being circulated on serial letter for comment. These are:

M2K — Material Hardness Specification and Measurement
DT1C — Hydraulic Power System Design

Copies of these are available from the Standards Section.

Because of increased need for precise equipment alignment, M15H is being revised for more precise design of sole plates to support critical machine components. Revisions also are underway to DT1A and ST1A to provide additional design information and more realistic specifications for agitator drives.

Each standard within the subcommittee's responsibility is identified by the number 36 which appears at the bottom of the first page.

MECHANICAL EQUIPMENT SUBCOMMITTEE

J. P. McNutt — Chairman — ESD — Louviers
J. Betts, Jr. — Vice Chairman — Design — Louviers
D. S. Davis — Plastics — Washington Works
U. P. Jennings — ERD — EDL
H. P. Kimbrough — Textile Fibers — Seaford Plant
E. H. Kris — Construction — Red Mill
C. S. Nagdev — Photo Products — Rochester Plant
S. J. Nicosia — Photo Products — Parlin Plant
E. H. Perez — Design — Louviers
R. L. Seigfried — Construction — Wilmington Shops
R. R. Volkman — Design — Louviers
R. H. McNew, Jr. — Consultant — Design — Louviers
D. W. Ferguson — Standards Engineer — Louviers

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Product Endorsements are not implied

DUP 0903135

DU 024517

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DUP 0903136

DU 024518

REAFFIRMATION DATE ADDED TO STANDARDS

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ARCHITECTURAL DESIGN STANDARD		
ISSUED	JUNE 1962	D83H
THIS PAGE REVISED	OCT 1968	
STANDARD REAFFIRMED	APRIL 1973	

A standard is considered reaffirmed when a thorough review of the entire standard has been completed and any necessary revisions have been made. In such case, each page revised will show the new revision date and, in addition, page 1 will indicate the new reaffirmation date. If the thorough review confirms the validity of all information included (no revisions needed), the reaffirmation date will still be added on page 1 to inform the reader.

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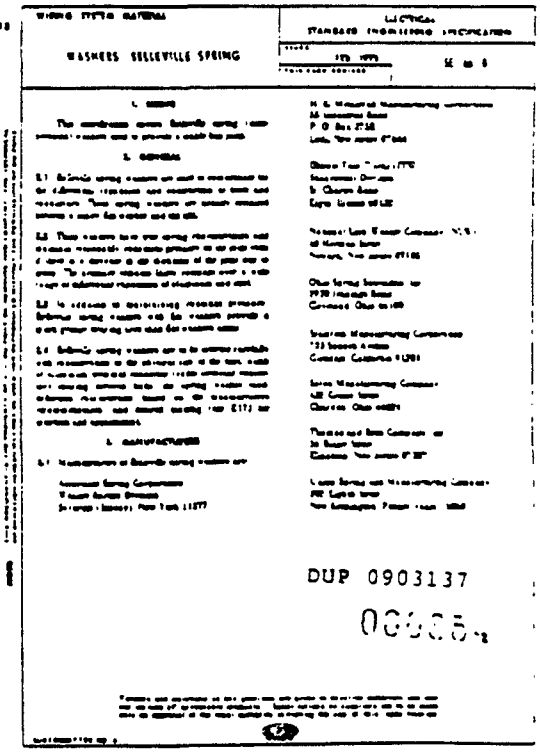
OSHA STANDARDS ISSUED IN APRIL			
E10.1J	E1.1V	SW8.1W	DE3D
E13J	E3V	SW11.6W	DE4D
E13.1J	F5F	SW12.1W	PV 3
E5K	S4T	SW20.7W	PV 3.2
E10.1L	SE10.8B	SW20.9W	PV 3.3
E17L	SG1E	SW20.10W	PV 3.4
	SW1P	DE10C	


WASHERS SELLEVILLE SPRING

DUP 0903137

STANDARDS ISSUED IN APRIL

The April issue comprises 2 new, 78 revised, 5 reaffirmed, and 2 canceled standards. (New standards are shown in italics.)

ARCHITECTURAL

B1E tube rev, Figure 1 added; vapor barrier notes deleted
SB5D 2.3.1, 3.3, 3.4, 3.5, 3.6, 7.12 rev
SB5A 3.1.2, Federal Specification rev
DB3H reaffirmed

CONCRETE

B8S notes rev, expansion joints, notes added; Types 1A, 1C, 2A, 2C deleted
B27S note rev, Types A and B trenches deleted
B28S note rev, Types A and B trenches deleted
B29S notes rev, membrane added
B30S notes rev, membrane added

PLUMBING

SB9 1AA 2.2, 3.1, 4.1, 5.1, 5.2 rev; Cost Ratio — Table 1, 7.4, 7.5 deleted

CIVIL

C8R Figures 1 and 2 and notes rev
C1W notes rev; Figure 5 deleted

ELECTRICAL

E10.1J Figure 2 and note rev
E13J section 3 note regarding instrumentation added
E13.1J Figure 1A and 2 rev
E15J Tables 1 and 2 rev; 5.2.2 added
E3K OSHA provisions and figures, 3.3 rev
E10.1L Figures 2 and 3 rev; 2.2 added; Cat. ref updated
E16L minor rev
E17L mercury fixture and conduit taping note added
E1.1U OSHA provisions and 4.1 rev
E1V reaffirmed
E2V reaffirmed
E3V minor rev to update
E8V reaffirmed
E1.2Z section 3 Askarel information added
SE10.8B 3.3 lubricant rev
DE10C SNM and TFN cable added, rev
DE3D note added, ref Askarel disposal and minor rev
DE4D TFN—V and SNM cable added; reaffirmed
DE8D gen rev
DE2H gen rev

FIRE PROTECTION

F5F 3 thru 6 in Tables 1, 2, and 3 rev for OSHA provisions

PROCESS EQUIPMENT

SG1E Figure 12, 22.1.4 rev, Figure 10, OSHA provisions added
SG15E 2.1.4, 3.9.2, 3.9.2.1 added, Figure 1 rev

ENVIRONMENTAL

J3E Figure 1, example — section 6, and 2.2 rev
J3P emission loss data in 4.5 and new Figure 6 added

POWER

K10C completely rev
K6R 1.3, 5.2.4, 9.6, Table 2, Figures 7A, 7B, 8A, 8B, 10 rev

LUBRICATION

L1E minor rev
SL6B minor rev and reaffirmed

MACHINE DESIGN

M10H minor rev, lubricated fastener, factor rev
M15H gen rev; Figure 3 and concentrated load rev
M1K canceled

THERMAL INSULATION

SN1A gen rev to update

PIPING

P1V gen rev to update
SP106U G322 valve size rev

INSTRUMENTS

R110B minor rev
R111B minor rev
R112B reaffirmed
R210B minor rev, 3.1 rev
R302L minor rev
SR212P minor rev
DR430L minor rev

SAFETY

S26B rev 7 ft thermal protection to 8 ft, ref rev
S4T measurement and control of asbestos dust exposure

MATERIALS OF CONSTRUCTION

SW1P gen rev, OSHA provisions added
SW8.1W Scope — rev security statement, OSHA provisions added
SW11.1W Scope — rev security statement
SW11.2W Scope — rev security statement
SW11.5W Scope — rev security statement
SW11.6W Scope — rev security statement
SW12W Scope — rev security statement
SW12.1W Scope — rev security statement
SW13W Scope — rev security statement
SW15W Scope — rev security statement
SW16W Scope — rev security statement
SW17W Scope — rev security statement
SW20W Scope — rev security statement
SW20.7W Scope — rev security statement, OSHA provisions added
SW20.8W Scope — rev security statement
SW20.9W gen rev; OSHA provisions added, rev security statement
SW20.10W gen rev; OSHA provisions added, rev security statement
SW20.20W Scope — rev security statement
SW20.26W Scope — rev security statement
SW20.28W Scope — rev security statement
SW20.32W Scope — rev security statement

MISCELLANEOUS EQUIPMENT

DY5A bottom head support for vertical vessels

CHEMICAL PROCESS

DG2F gen rev
DG100F gen rev

MAINTENANCE AND CONSTRUCTION PROCEDURES

PP 5 section 2 added and gen rev to update
PP 11 canceled
PV 3 additional scaffolding and OSHA provisions added
PV 3.1 gen rev
PV 3.2 OSHA provisions added
PV 3.3 OSHA provisions added
PV 3.4 OSHA provisions added

Abbreviations above: Ref — reference, Rev — revised or revision

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CHEMICAL PROCESS

DG4K particle size measurement

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C. E. MARSH, EDITOR
STANDARDS SECTION, LOUVIERS BUILDING

YOUR CONTRIBUTIONS AND INQUIRIES ARE INVITED

000080

DUP 0903138

DU 024520