EXHIBIT 82
Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number TX 2-992-651.

In testimony whereof, the seal of this office is affixed hereto on October 2, 2019.

United States Register of Copyrights and Director
<table>
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<th>FORM SE</th>
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<td>REGISTRATION NUMBER</td>
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### 1990 Annual Book of ASTM Standards: Caspian Fields; Cold & Ore

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<th>Volume</th>
<th>Number</th>
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<tr>
<td>16</td>
<td>05.05</td>
<td>October 1990</td>
<td>Annual</td>
</tr>
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### Name of Author

**American Society for Testing and Materials**

**Author's Nationality or Domicile**

<p>| | |</p>
<table>
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<td>Yes</td>
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**Nature of Authorship**

- Collectively Worked On:
- Other:

**Dates of Birth and Death**

- Year Born
- Year Died

---

**Nature of Authorship**

- Collectively Worked On:
- Other:

**Dates of Birth and Death**

- Year Born
- Year Died

---

**Nature of Authorship**

- Collectively Worked On:
- Other:

**Dates of Birth and Death**

- Year Born
- Year Died

---

**Year in Which Creation of This Issue Was Completed**

1990

**Place and Nation of First Publication of This Particular Issue**

- USA

**Copyright Claimant**

American Society for Testing & Materials

1916 Race Street

Philadelphia, PA 19103

**Transmittal**

If the claimed date of first publication in space 4 is different than the authorized date in space 3, give a brief statement of how the claimant claimed ownership of the copyright.

**Copyright Claimant**

American Society for Testing & Materials

1916 Race Street

Philadelphia, PA 19103

**Transmittal**

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DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE SHEET.

PREVIOUS REGISTRATION  Has registration for this issue, or for another version of this particular issue, already been made in the Copyright Office?

☐ Yes  ☐ No  If your answer is "Yes," why is another registration being sought? Check appropriate boxes □ .

☐ This is the first published version of an issue previously registered in unpublished form.

☐ This is the second issue submitted by this author as copyright claimant.

☐ This is a revised edition of this issue, as shown by a change on the publication.

If your answer is "Yes," give: Foreign Registration Number Use of Registration □ .

1988 Annual Book of ASTM Standards, Section 05 Volume 05.05

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and to which copyright is claimed. □ .

Compilation of previous published text plus additional text.

MANUFACTURERS AND LOCATIONS  If this is a published work consisting predominately of non-fictional literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If yes, the name of the manufacturer who performed certain processes, and the places where those processes were performed must be given. See instructions for details.

Naverly Press, Inc. Boston, MA

REPRODUCTION FOR USE OF BLD OR PHYSICALLY HANDICAPPED INDIVIDUALS  A signature on this form at space 12, and a check on one of the boxes here to space 12, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute safely for the blind and physically handicapped and under the conditions of reproductions prescribed by the regulations of the Copyright Office. (Copies of the work identified in space 12 of this application in black for similar tactile symbols or (2) photographs embodying a portion of a meaning of that work or (2) both.

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☐ Copies Only

☐ Phonorecord(s) Only

DEPOSIT ACCOUNT  If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

R. L. Heltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

(215) 299-5431

CERTIFICATION  I, the undersigned, hereby certify that I am the

☐ author

☐ other copyright claimant

☐ owner of exclusive rights

☐ authorized agent of American Society for Testing and Materials

☐ authorized agent of the above-named owner of exclusive rights.

☐ on behalf of owner or other copyright claimant, or owner of exclusive rights.

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Robert L. Heltzer Date: 12/1/90

Certified to

Kathleen A. Hooper

ASTM, 1916 Race Street

Philadelphia, PA 19103

U.S. Copyright Office

Register

Deposit

July 1988 - 120,000

U.S. Government Printing Office, 1988-529-120,000
EXHIBIT 83
Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number TX 2-201-054

In testimony whereof, the seal of this office is affixed hereto on October 2, 2019

United States Register of Copyrights and Director
### FORM SE

**UNITED STATES COPYRIGHT OFFICE**

**REGISTRATION NUMBER**

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**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.**

### TITLE OF THIS SERIAL

**1987 Annual Book of ASTM Standards, Gaseous Fuels; Coal & Coke**

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<th>Volume</th>
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<td>05.05</td>
<td>05</td>
<td>October 1987</td>
<td>Annual</td>
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### NAME OF AUTHOR

**American Society for Testing and Materials**

### NATURE OF AUTHORSHIP

**Briefly describe nature of the material created by this author in which copyright is claimed.**

**Entire Text**

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**Briefly describe nature of the material created by this author in which copyright is claimed.**

**Entire Text**

### YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

| 1987 |

### COPYRIGHT CLAIMANT(S)

**Name and address must be given even if the claimant is the same as the author given in space 2.**

**American Society for Testing and Materials**

**1916 Race Street**

**Philadelphia, PA 19103**

### TRANSFER

If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.
EXHIBIT 84
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

**TITLE OF THIS SERIAL**

1999 Annual Book of ASTM Standards, Water (II)

<table>
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**NAME OF AUTHOR**

American Society for Testing and Materials

**DATES OF BIRTH AND DEATH**

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<th>Year Died</th>
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**NOTE**

Under the law, "Author" of a work made for hire is the employer, or any person for whom the work was prepared.

**AUTHOR'S NATIONALITY OR DOMICILE**

<table>
<thead>
<tr>
<th>Name of Country</th>
<th>Citizen of</th>
<th>Domiciled in</th>
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<td></td>
<td>United States</td>
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**NAME OF AUTHOR**

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**YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED**

1999

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

May 12, 1999, United States

**COPYRIGHT CLAIMANT(S)**

Name and address must be given even if the claimant is the same as the author given in space 2.

American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

**TRANSFER**

If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

**MORE ON BACK**

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Case 1:13-cv-01215-TSC   Document 198-10   Filed 10/07/19   Page 11 of 90

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?
☐ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

a. ☐ This is the first published version of an issue previously registered in unpublished form.
b. ☐ This is the first application submitted by this author as copyright claimant.
c. ☐ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼ Year of Registration ▼

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

1998 Annual Book of ASTM Standards, Section 11, Volume 11.02

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Compilation of previous published text plus additional text.

---space deleted---

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and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space
1 of this application in Braille (or similar tactile symbols), or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

a. ☒ Copies and Phonorecords ☐ Copies Only ☐ Phonorecords Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼ Account Number ▼

American Society for Testing and Materials DA076328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▼ (610) 832-9634

CERTIFICATION* 1, the undersigned, hereby certify that I am the

☐ author ☐ other copyright claimant ☐ owner of exclusive right(s) ☒ authorized agent of American Society for Testing & Materials

Name of author or other copyright claimant, or owner of exclusive right(s) ▼

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer date ▼ 5-24-99

Handwritten signature ▼

MAIL CERTIFICATE TO

Name Kathe Hooper, ASTM

Number/Street/Apartment Number ▼ 100 Barr Harbor Drive

City/State/ZIP ▼ West Conshohocken, PA 19428-2959

17 U.S.C. § 506(c). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

This form was electronically produced by Elite Federal Forms, Inc.
EXHIBIT 85
FORM SE
UNITED STATES COPYRIGHT OFFICE

Y 3 450 603

Copyright Claimant:

American Society for Testing and Materials

1916 Race Street
Philadelphia, PA 19103-1187

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED: 1992

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE: March 1993

APPLICATION RECEIVED: JAN 12 1993

Copyright Claimant:

American Society for Testing and Materials

1916 Race Street
Philadelphia, PA 19103-1187

Copyright Claimant:

American Society for Testing and Materials

1916 Race Street
Philadelphia, PA 19103-1187

Copyright Claimant:

American Society for Testing and Materials

1916 Race Street
Philadelphia, PA 19103-1187
EXHIBIT 86
## Certificate of Registration

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

### Title of the Serial


<table>
<thead>
<tr>
<th>Volume</th>
<th>Number</th>
<th>Date on Copies</th>
<th>Frequency of Publication</th>
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<td>04.08</td>
<td>04</td>
<td>March 1999</td>
<td>Annual</td>
</tr>
</tbody>
</table>

### Name of Author

- **American Society for Testing and Materials**

### Dates of Birth and Death

- **Year Born**: 
- **Year Died**:

### Nature of Authorship

Briefly describe nature of the material created by this author in which copyright is claimed.

- **Collective Work**: 
- **Other**: Entire Text

### Year in Which Creation of This Issue Was Completed

- **1999**

### Date and Nation of First Publication of This Particular Issue

- **Month**: April
- **Day**: 1
- **Year**: 1999
- **Nation**: United States

### Copyright Claimant(S)

American Society for Testing and Materials

100 Barr Harbor Drive
West Conshohocken, PA 19428–2959

Transfer if the claimant(s) named in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

---

**More on Back**
- Complete all applicable spaces (numbers 5-11) on the reverse side of this page.
- See detailed instructions.
- Sign the form at line 10.
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?
☐ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼
  a. ☐ This is the first published version of an issue previously registered in unpublished form.
  b. ☐ This is the first application submitted by this author as copyright claimant.
  c. ☐ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number Year of Registration ▼

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.
  a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼
      1998 Annual Book of ASTM Standards, Section 04, Volume 04.08
  b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
      Compilation of previous published text plus additional text.

---space deleted---

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of a work identified in space 1 of this application in Braille (or similar tactile symbols), or (2) phonorecords embodying a fixation of a reading of that work, or (3) both.

a. ☐ Copies and Phonorecords  b. ☐ Copies Only  c. ☐ Phonorecords Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼ Account Number DA078328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Name/Address/Apt/City/State/ZIP
Kethe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▼ (610) 832-9634

CERTIFICATION* I, the undersigned, hereby certify that I am the ▼

☐ author □ other copyright claimant
☐ owner of exclusive right(s) ☒ authorized agent of American Society for Testing & Materials

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Melzer date ▼ 4-8-99

Handwritten signature (X) ▼

MAIL CERTIFICATE TO

Name ▼ Kethe Hooper, ASTM

Number/Street/Apartment Number ▼ 100 Barr Harbor Drive

City/State/ZIP West Conshohocken, PA 19428-2959
**Certificate of Registration**

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**Register of Copyrights**
United States of America

---

### Title of this Serial

**1999 Annual Book of ASTM Standards - Gaseous Fuels; Coal and Coke**

**Volume** 05

**Number** 05

**Date on Copies** September 1999

**Frequency of Publication** Annual

---

### Name of Author

**American Society for Testing and Materials**

---

### Nature of Authorship

**Briefly describe nature of the material created by this author in which copyright is claimed.**

---

### Name of Author

**American Society for Testing and Materials**

---

### Nature of Authorship

**Briefly describe nature of the material created by this author in which copyright is claimed.**

---

### Copyright Claimant(s)

**Name and address must be given even if the claimant is the same as the author given in space 2.**

- **American Society for Testing and Materials**
  - 100 Barr Harbor Drive
  - West Conshohocken, PA 19428-2959

---

**Transfer**

If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

---

**More on Back**

*Complete all applicable spaces (numbers 5-11) on the reverse side of this page.*

*See detailed instructions.*

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DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.
   1998 Annual Book of ASTM Standards, Section 05, Volume 05.05

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.
   Compilation of previous published text plus additional text.

---space deleted---

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and a check in one of the boxes here in space 9, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

a  ☑ Copies and Phonorecords  b  ☐ Copies Only  c  ☐ Phonorecords Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
Name  Account Number
American Society for Testing and Materials DA078928

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.
Name  Address/Apt/City/State/ZIP
Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number  (610) 832-9634

CERTIFICATION* I, the undersigned, hereby certify that I am the
☐ author
☐ other copyright claimant
☐ owner of exclusive right(s)
☒ authorized agent of American Society for Testing Materials
Name of author or other copyright claimant, or owner of exclusive right(s)

Typed or printed name and date  If this application gives a date of publication in space 3, do not sign and submit it before that date.
Robert L. Metzler  8-3-99

MAIL CERTIFICATE TO
Name
Kathe Hooper, ASTM
Number/Suite/Apartment Number
100 Barr Harbor Drive
City/State/ZIP
West Conshohocken, PA 19428-2959

*17 U.S.C. § 504(a): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

This form was electronically produced by Elite Federal Forms, Inc.
EXHIBIT 88
**Title of This Serial**


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<td>Annual</td>
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**Dates of Birth and Death**

<table>
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<tr>
<th>Year Born</th>
<th>Year Died</th>
</tr>
</thead>
</table>

**Note**

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

<table>
<thead>
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<th>NAME OF AUTHOR</th>
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**Nature of Authorship**

Briefly describe nature of the material created by this author in which copyright is claimed.

<table>
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<tr>
<th>Collective Work</th>
<th>Other: Entire Text</th>
</tr>
</thead>
</table>

<table>
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**Year in Which Creation of This Issue Was Completed**

1998

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<td>May</td>
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**Copyright Claimant(s)**

Name and address must be given even if the claimant is the same as the author given in space 2.

American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Transfer if the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

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If your answer is "Yes," why is another registration being sought? (Check appropriate box) ☑

a. This is the first published version of an issue previously registered in unpublished form.

b. This is the first application submitted by this author or copyright claimant.

c. This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give:

Previous Registration Number ☑ Year of Registration ☑

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ☑


b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ☑

Compilation of previous published text plus additional text.

---space deleted---

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

☑ Copies and Phonorecords □ Copies Only □ Phonorecords Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ☑ Account Number ☑

American Society for Testing and Materials DA078328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Kathie Hooper, American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area Code & Telephone Number ☑ (610) 832-9634

CERTIFICATION* I, the undersigned, hereby certify that I am the author ☑ other copyright claimant ☑ owner of exclusive right(s) ☑ authorized agent of American Society for Testing & Materials ☑

Name of author or other copyright claimant, or owner of exclusive right(s) ☑

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ☑ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer date ☑ 5-11-98

Handwritten Signature ☑

MAIL CERTIFICATE

Certificate will be mailed in window envelope

Name ☑

Kathie Hooper, ASTM

Number/Street/Apartment Number ☑ 100 Barr Harbor Drive

City/State/ZIP ☑ West Conshohocken, PA 19428-2959

1. Application form
2. Nonrefundable $20 filing fee in cash or money order payable to Register of Copyrights
3. Deposit material

Register of Copyrights
Library of Congress
Washington, D.C. 20559

*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration, provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

This form was electronically produced by Eises Federal Forms, Inc.
EXHIBIT 89
Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number TX 3-512-412

In testimony whereof, the seal of this office is affixed hereto on

October 1, 2019

United States Register of Copyrights and Director
**FORM SE**
UNITED STATES COPYRIGHT OFFICE
REGISTRATION NUMBER

| TX | 3 512-412 |

EFFECTIVE DATE OF REGISTRATION

| 4 Month 13 Day 92 |

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

**DOES THIS SERIAL**

**Volume** 05  
**Number** 01  
**Date of Copies** February 1993  
**Frequency of Publication** Annual  

**NAME OF AUTHOR**
American Society for Testing and Materials

**DATES OF BIRTH AND DEATH**

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**AUTHOR'S NATIONALITY OR DOMICILE**

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<th>No</th>
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<tr>
<td>No. If no, state that the author is domiciled in the country specified above.</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

**NATURE OF AUTHORSHIP**

Briefly describe nature of the material created by this author in which copyright is claimed.

| Collective Work | Entire Text |

---

**NAME OF AUTHOR**

American Society for Testing and Materials

**DATES OF BIRTH AND DEATH**

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**NAME OF AUTHOR**

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**YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED**

1993

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

<table>
<thead>
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<th>Day</th>
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**COPYRIGHT CLAIMANT**
American Society for Testing & Materials
1916 Race Street
Philadelphia, PA 19103-1187

**APPLICATION RECEIVED**

| APR 13, 1993 |

**ONE DEPOSIT RECEIVED**

**TWICE POSTS RECEIVED**

| APR 13, 1993 |

**NUMBER AND DATE**

Page 1 of 2
EXHIBIT 90
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

### DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

**TITLE OF THIS SERIAL**


**VOLUME**

05

**NUMBER**

2

**DATE ON COPIES**

March 1995

**NATURE OF AUTHORSHIP**

Entire Text

### NAME OF AUTHOR

American Society for Testing and Materials

### DATES OF BIRTH AND DEATH

**YEAR BORN**

**YEAR DIED**

### NOTE

Under the law the "author" of a "work made for hire" is generally the employer who paid for the work.

### NAME OF AUTHOR

American Society for Testing and Materials

### DATES OF BIRTH AND DEATH

**YEAR BORN**

**YEAR DIED**

### NAME OF AUTHOR

American Society for Testing and Materials

### DATES OF BIRTH AND DEATH

**YEAR BORN**

**YEAR DIED**

### YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

1995

### COPYRIGHT CLAIMANT(S)

American Society for Testing & Materials

1916 Race Street

Philadelphia, PA 19103-1187

### APPLICATION REFEREE

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### FILING RECEIPT

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Page 1 of ___________ pages
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office? □ Yes □ No If your answer is "Yes," why is another registration being sought? (Check appropriate box) □

1. This is the first published version of an issue previously registered in unpublished form
2. This is the first application submitted by this author as copyright claimant
3. This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give Previous Registration Number □

Year of Re-Registration □

1994

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation:

6a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. □


6b. Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed. □

Compilation of previous published text plus additional text.

space deleted

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped, and under the conditions and limitations prescribed by the regulations of the Copyright Office, (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols), or (2) phonorecords embodying a translation of a reading of that work, or (3) both.

8a. Copies and Phonorecords □

8b. Copies Only □

8c. Phonorecords Only □

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name □

Account Number □

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Name Address Apt. City State Zip □

Robert L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103-1187

Area Code & Telephone Number □ 215-299-5431

CERTIFICATION* I, the undersigned, hereby certify that I am the

author □

other copyright claimant □

owner of exclusive rights □

American Society for Testing and Materials Name of author or other copyright claimant or owner of exclusive rights □

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date □ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

Handwritten signature □

MAIL CERTIFICATE TO

Kathe Hooper, ASTM
1916 Race Street
Philadelphia, PA 19103-1187

□ Complete all necessary spaces □ Sign your application in space 10

1. Application form

2. Nonrefundable $120 filing fee in check or money order payable to Register of Copyrights.

3. Deposit material

Registration of Copyright Library of Congress

Washington, D.C. 20559


*17 USC $ 506e) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application shall be fined not more than $2,500

December 1980—75,000
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

![Certificate of Registration](image)

**1. Title of this Serial**


**2. Name of Author**

American Society for Testing and Materials

**3. Year in which creation of this issue was completed**

1999

**4. Copyright claimant(s)**

American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

**5. Remittance number and date**

APR 20, 1999

**More on back**

Complete all applicable spaces (numbers 5-11) on the reverse side of this page. See detailed instructions. Sign the form at line 10.
EXHIBIT 92

NAME OF AUTHOR: American Society for Testing and Materials

NOTE: Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the spaces provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and follow the instructions.

DATE OF BIRTH AND DEATH: Year Born: Year Died:

NAME OF AUTHOR: American Society for Testing and Materials

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DATE OF BIRTH AND DEATH: Year Born: Year Died:
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION   Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

☐ Yes   ☐ No  If your answer is “Yes,” why is another registration being sought? (Check appropriate box ▼

a. ☐ This is the first published version of an issue previously registered in unpublished form.

b. ☐ This is the first application submitted by this author as copyright claimant.

c. ☐ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is “Yes,” give the Previous Registration Number ▼ Year of Registration ▼

5 1986

DERIVATIVE WORK OR COMPILATION   Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

6a. Preexisting Work  Identify any preexisting work or works that this work is based on or incorporates ▼

1986 Annual Book of ASTM Standards Section 07 Volume 07.01

6b. Material Added to This Work  Give a brief, general statement of the material that has been added to this work and in which copyright is claimed ▼

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Names of Manufacturers ▼ Places of Manufacture ▼

Waverly Press, Inc. Easton, MD

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8a. ☐ Copies and Phonorecords  b. ☐ Copies Only  c. ☐ Phonorecords Only

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Name ▼ Account Number ▼

CORRESPONDENCE  Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/Zip ▼

R. L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▼  215-299-5431

CERTIFICATION*  I, the undersigned, hereby certify that I am the owner of exclusive right(s) American Society for Testing and Materials Name of author or other copyright claimant; or owner of exclusive right(s) ▼

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Check one ▼

☐ author  ☐ other copyright claimant

X authorized agent of

Typewritten name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.

Robert L. Meltzer  12/02/87

Handwritten signature (X) ▼

MAIL CERTIFICATE TO  

Name ▼ Kathe Scholl, ASTM

Number/Street/Apartment Number ▼  1916 Race Street

City/State/ZIP ▼ Philadelphia, PA 19103


MAIL: By post, or hand, or FBI pouch.

CERTIFICATE will be mailed in window envelope.

☐ Completed all necessary spaces?

☐ Signed your application in space 10?

☐ Enclosed check or money order for $10 payable to Register of Copyrights?

☐ Enclosed your deposit material with the application and fees?
EXHIBIT 93
**Title of the Serial**

1999 Annual Book of ASTM Standards, Water (I)

<table>
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<th>Number</th>
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<td>11</td>
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<td>Annual</td>
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**Note**

In the law, the "author" of a work made for hire is generally the employer of the employee (see instructions). For any part of this work that was "made for hire" in the sense provided by the employer (or their person for whom the work was prepared), the "Author" of that part and the dates of birth and death blank.

**Name of Author**

American Society for Testing and Materials

**Dates of Birth and Death**

<table>
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**Nature of Authorship**

Briefly describe nature of the material created by this author in which copyright is claimed.

**Collective Work**

**Other:** Entire Text

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**Name of Author**

**Dates of Birth and Death**

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**Collective Work**

**Other:**

---

**Year in Which Creation of This Issue Was Completed**

1999

**Date and Nation of First Publication of This Particular Issue**

May 7, 1999, United States

**Copyright Claimant(s)**

Name and address must be given even if the claimant is the same as the author given in space 2.

American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

**Transfer**

If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

---

**More on back**

Complete all applicable spaces (numbers 5-11) on the reverse side of this page.

See detailed instructions.

Sign the form at line 10.
Case 1:13-cv-01215-TSC Document 198-10 Filed 10/07/19 Page 39 of 90

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

☐ Yes   ☐ No
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If your answer is "Yes," give:

- Previous Registration Number
- Year of Registration ▼

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- X Copies and Phonorecords
- ▼ Copies Only
- ▼ Phonorecords Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

- Name ▼
- Account Number DA078328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

- Name/Address/Apt/City/State/ZIP ▼

- Kathie Hooper, American Society for Testing and Materials
- 100 Barr Harbor Drive
- West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▼ (610) 832-9834

CERTIFICATION* I, the undersigned, hereby certify that I am the author or other copyright claimant ▼

- ☐ owner of exclusive right(s)
- ☐ authorized agent of American Society for Testing and Materials ▼

- Name of author or other copyright claimant, or owner of exclusive right(s) ▼

- Kathie Hooper, ASTM

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

- Robert L. Meltzer ▼
- date ▼ 5-24-99

Handwritten signature ▼

MAIL CERTIFICATE TO

- Name Kathe Hooper, ASTM
- Number/Street/Apartment Number ▼ 100 Barr Harbor Drive
- City/State/ZIP ▼ West Conshohocken, PA 19428-2959

- Complete all necessary spaces.
- Sign your application in space 10.

1. Application form
2. Nonrefundable $32 filing fee in check or money order payable to Register of Copyrights.
3. Deposit material

MAIL TO

- Register of Copyrights
- Library of Congress
- Washington, D.C. 20559

*17 U.S.C. § 505(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 430, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

This form was electronically produced by Elite Federal Forms, Inc.
EXHIBIT 94
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
REGISTER OF COPYRIGHTS
United States of America

FEB 20, 1998


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<tr>
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<td>MARCH 1998</td>
<td>Annual</td>
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</tbody>
</table>

**NAME OF AUTHOR**
American Society for Testing and Materials

**DATES OF BIRTH AND DEATH**
Year Born, Year Died

**NOTE**
Under the law the term "work made for hire" is generally the employer or the employee (see instructions). For...

**NAME OF AUTHOR**

**DATES OF BIRTH AND DEATH**
Year Born, Year Died

**NAME OF AUTHOR**

**DATES OF BIRTH AND DEATH**
Year Born, Year Died

**YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED**
1998

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

**AMERICAN SOCIETY FOR TESTING & MATERIALS**
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

**TRANSFER**
If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

**MORE ON BACK**
Complete all applicable spaces (numbers 5-11) on the reverse side of this page
See detailed instructions
Sign the form at line 10

**COPYRIGHT CLAIMANT(S)** Name and address must be given even if the claimant is the same as the author given in space 2.
EXHIBIT 95
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

X Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box)

☐ a. This is the first published version of an issue previously registered in unpublished form.

☐ b. This is the first application submitted by this author as copyright claimant.

☐ c. This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give Previous Registration Number

TH= 14-311

Year of Registration

1996

DERivative WORK OR Compilation Complete both space 6a & 6b for a derivative work, complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates:

1996 Annual Book of ASTM Standards, Section II, Volume 13

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed

Compilation of previous published text plus additional text.

—space deleted—

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☐ a. Copies and Phonorecords

☐ b. Copies Only

☐ c. Phonorecords Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright office, give name and number of Account.

Name □ American Society for Testing and Materials

Account Number □ DA078328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Name Address Apt City State Zip

Robert L. Meltzer, ASTM

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area Code & Telephone Number □ 610-832-9632

CERTIFICATION* I, the undersigned, hereby certify that I am the

☐ author

☐ other copyright claimant

☐ owner of exclusive right(s)

☒ authorized agent of

American Society for Testing and Materials

Name of author or other copyright claimant of owner of exclusive right

 Typed or printed name and date □ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date □ December 3, 1996

Handwritten signature (X) □

MAIL CERTIFICATE TO

Name □ Judy Helm, ASTM

Number Space Apartment Number □ 100 Barr Harbor Drive

City State ZIP □ West Conshohocken, PA 19428-2959

Cage card □ Postal Service □

Certificate will be mailed in window envelope

Copyright Office

Library of Congress

Washington, DC 20559

Copyright laws are ad-

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institutions as an in-

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in the Consumer Price

Index. The next am-

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Copyright the Copyright

Office in January 1986

for the next fee sched-

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June 1992—50.000

U.S. GOVERNMENT PRINTING OFFICE: 1992—312-432/60.002
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**NAME OF AUTHOR**

American Society for Testing and Materials

**DATE OF BIRTH AND DEATH**

Year Born □ Year Died □

**AUTHOR'S NATIONALITY OR DOMICILE**

Was this author's contribution to the work a "work made for hire"?

□ Yes □ No

□ Citizen of □ Domiciled in □ United States

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Anonymous □ Yes □ No

Pseudonymous □ Yes □ No

**NATURE OF AUTHORSHIP**

Collective Work □ Other □

**DATE OF BIRTH AND DEATH**

Year Born □ Year Died □

**NAME OF AUTHOR**

Entire Text

**NATURE OF AUTHORSHIP**

Collective Work □ Other □

**DATE OF BIRTH AND DEATH**

Year Born □ Year Died □

**YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED**

□ 1977 □ Year in all cases

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

□ 1977 □ Day □ Month □ Year

**COPYRIGHT CLAIMANT(S)**

Name and address must be given even if the claimant is the same as the author given in space 2 □

American Society for Testing & Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

**TRANSFER**

If the claimant(s) named here in space 2 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright □

**APPLICATION RECEIVED**

□ One deposit received □ Two deposits received

□ Remittance Number and Date
PREVIOUS REGISTRATION  Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

☐ Yes  ☐ No  If your answer is “Yes,” why is another registration being sought? (Check appropriate box)

☐ This is the first published version of an issue previously registered in unpublished form
☐ This is the first application submitted by this author as copyright claimant
☐ This is a changed version of this issue, as shown by space 6 on this application

If your answer is “Yes,” give Previous Registration Number ▼

TP 4 6 ▼

Year of Registration ▼

1996

DERIVATIVE WORK OR COMPILATION  Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation

a. Precollated Material  Identify any precollated work or works that this work is based on or incorporates ▼


b. Material Added to This Work  Give a brief, general statement of the material that has been added to this work and in which copyright is claimed ▼

Compilation of previous published text plus additional text.

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS  A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely, for the blind and physically handicapped, and under the conditions and limitations prescribed by the regulations of the Copyright Office, (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols), or (2) phonorecords embodying a faithful reading of that work, or (3) both

☐ Copies Only
☐ Phonorecords Only

DEPOSIT ACCOUNT  If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of account

Name ▼ American Society for Testing and Materials  Account Number ▼ 0076320

CORRESPONDENCE  Give name and address to which correspondence about this application should be sent

Robert L. Meltzer, ASTM
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▼ 610-832-9632

CERTIFICATION  I, the undersigned, hereby certify that I am the

☐ author
☐ other copyright claimant
☐ owner of exclusive right(s)
☐ authorized agent of

American Society for Testing and Materials

Name of author or other copyright claimant or owner of exclusive right(s) ▼

Typed or printed name and date ▼ (If this application gives a date of publication in space 3, do not sign and submit it before that date.)

Robert L. Meltzer

Handwritten signature (x) ▼

MAIL CERTIFICATE TO

Name ▼ Judy Helm, ASTM

Number Street Apartment Number ▼

100 Barr Harbor Drive

City State ZIP ▼ West Conshohocken, PA 19428-2959

YOU MUST  • Complete all necessary spaces  • Sign your application in space 10 • SEND THIS APPLICATION IN THE SAME PACKAGE

1. Application Form
2. Nonrefundable $20 filing fee in check or money order payable to Register of Copyrights
3. Deposit material

Mail to:

Register of Copyrights
Library of Congress
Washington, D.C. 20559

Copyright laws are enforced by the United States and other countries with an increased in the Consumer Price Index. The next application is due in 1990. Contact the Copyright Office in January 1990 for the new filing schedule.

* 17 USC 105(e) An person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 419 or in any written statement filed in connection with the application, shall be fined not more than $2,500.

June 1982—50,000

U.S. GOVERNMENT PRINTING OFFICE 1992—312-432-60002
EXHIBIT 97
Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number

In testimony whereof, the seal of this office is affixed hereto on

TX 3-553-811

October 1, 2019

[Signature]

United States Register of Copyrights and Director
EXHIBIT 98
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
REGISTER OF COPYRIGHTS
United States of America

EFFECTIVE DATE OF REGISTRATION
SEP 01 1998
Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

TITLE OF THIS SERIAL

1998 Annual Book of ASTM Standards, Gaseous Fuels; Coal and Coke

Volume ▼ Number ▼ Date on Copies ▼ Frequency of Publication
05 05 05 September 1998 Annual

PREVIOUS OR ALTERNATIVE TITLES

NAME OF AUTHOR▼
American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

NOTE
Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided. Give the employer (or other person or firm to whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
Yes No
Citizen of ▼ Domiciled in ▼
Anonymous? ▲ Pseudonym? ▲

NATURE OF AUTHORSHIP
Briefly describe nature of the material created by this author. If the answer to either of these questions is "Yes," see detailed instructions.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
September 1998 United States

APPLICATION RECEIVED
September 10, 1997

REMITTANCE NUMBER AND DATE

3 a

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
1998 Year

Copyright claimant(s) name and address must be given even if the claimant is the same as the author given in space 2. ▼

American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

DO NOT WRITE HERE
Page 1 of 54
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?
☐ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼
a. ☐ This is the first published version of an issue previously registered in unpublished form.
b. ☐ This is the first application submitted by this author as copyright claimant.
c. ☐ This is a changed version of this issue, as shown by space 6 on this application.
If your answer is "Yes," give: Prior Registration Number ▼ Year of Registration ▼

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼
   1997 Annual Book of ASTM Standards, Section 05, Volume 05.05
b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
   Compilation of previous published text plus additional text.

---space deleted---

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

a. ☑ Copies and Phonorecords b ☐ Copies Only c ☐ Phonorecords Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼ Account Number ▼

American Society for Testing and Materials DA078328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Name/Address/Apt/City/State/ZIP ▼

Kathe Hooper, American Society for Testing and Materials 100 Barr Harbor Drive West Conshohocken, PA 19428-2659

Area Code & Telephone Number ▼ (610) 832-9634

CERTIFICATION I, the undersigned, hereby certify that I am the

☐ author ☐ other copyright claimant ☐ owner of exclusive right(s)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

☑ authorized agent of American Society for Testing & Materials Name of author or other copyright claimant, or owner of exclusive right(s) ▼

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer date ▼ 9-1-98

Handwritten signature ▼

MAIL CERTIFICATE TO

Certificate will be mailed in window envelope

Name ▼ Kathe Hooper, ASTM

Number/Street/Apartment Number ▼ 100 Barr Harbor Drive

City/State/ZIP ▼ West Conshohocken, PA 19428-2659

• Complete all necessary spaces.
• Include reproduction in space 10.
• If not on form space 11 ▼
• Application form
• Nonrefundable $20 filing fee in cash or money order payable to Register of Copyrights
• Deposit material

Register of Copyrights Library of Congress Washington, D.C. 20559

*17 U.S.C. § 505(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

This form was electronically produced by Elite Federal Forms, Inc.
EXHIBIT 99
**American Society for Testing and Materials**

<table>
<thead>
<tr>
<th>NAME OF AUTHOR</th>
<th>DATE OF BIRTH AND DEATH</th>
<th>NAME OF AUTHOR</th>
<th>DATE OF BIRTH AND DEATH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>American Society for Testing and Materials</strong></td>
<td><strong>Year Born</strong></td>
<td><strong>Year Died</strong></td>
<td><strong>Year Born</strong></td>
</tr>
</tbody>
</table>

**NATURE OF AUTHORSHIP**

- Briefly describe nature of the material created by this author in which copyright is claimed.

---

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

- **January 19, 1995**

---

**COPYRIGHT CLAIMANT(S)**

- Name and address must be given even if the claimant is the same as the author given in space 2.

**American Society for Testing & Materials**

- 1916 Race Street
- Philadelphia, PA 19103-1187

**TRANSFER**

- If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

---

**EFFECTIVE DATE OF REGISTRATION**

- **February 1, 1995**
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION □ Yes □ No If your answer is "Yes," why is another registration being sought? (Check appropriate box)

a. □ This is the first published version of an issue previously registered in unpublished form.
b. □ This is the first application submitted by this author as copyright claimant.
c. □ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number □.

Year of Registration □ 1993

DERIVATIVE WORK OR COMPILATION □ Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material □ Identify any preexisting work or works that this work is based on or incorporates.


b. Material Added To This Work □ Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.

Compilation of previous published text plus additional text.

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□ Copies and Phonorecords □ Copies Only □ Phonorecords Only

DEPOSIT ACCOUNT □ If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name □ Account Number □

CORRESPONDENCE □ Give name and address to which correspondence about this application should be sent. Name: Address: City/State/Zip □.

Robert L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103-1187
Area Code & Telephone Number □ 215-299-5431

CERTIFICATION* □ I, the undersigned, hereby certify that I am the person named on the application and that the statements made by me in this application are correct to the best of my knowledge.

Check one □ □ author □ other copyright claimant □ owner of exclusive right(s)

American Society for Testing and Materials
Name of author or other copyright claimant, or owner of exclusive right(s) □

Typed or printed name and date □ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer □ date □ January 19, 1985

Handwritten signature (X) □

MAIL CERTIFICATE TO

Name □

Kathe Hooper, ASTM
Number Street Apartment Number □
1916 Race Street
City State ZIP □
Philadelphia, PA 19103-1187

* 17 U.S.C. § 506(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500

December 1999—50.000

U.S. GOVERNMENT PRINTING OFFICE: 1990—262-170/20,005
EXHIBIT 100
### NAME OF AUTHOR ▼
- **American Society for Testing and Materials**

### DATES OF BIRTH AND DEATH ▼
- **Year Born**: 
- **Year Died**: 

### NATURE OF AUTHORSHIP ▼
- Briefly describe nature of the material created by this author in which copyright is claimed.

### DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE ▼
- **Month**: July
- **Day**: 7
- **Year**: 1999
- **Nation**: United States

### COPYRIGHT CLAIMANT(S) ▼
- **Name and address must be given even if the claimant is the same as the author given in space 2.**

- **American Society for Testing and Materials**
  - 100 Barr Harbor Drive
  - West Conshohocken, PA 19428-2959

### TRANSFER ▼
- If the claimant(s) named in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.
EXHIBIT 101
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

### Certificate of Registration

**Title of this Serial:** 1996 Annual Book of ASTM Standards: Petroleum Products, Lubricants and Fluid Fuels

**Volume:** 05  **Number:** 03  **Date on Copies:** March '96  **Frequency of Publication:** Annual

---

#### 1. NAME OF AUTHOR

**American Society for Testing and Materials**

**DATE OF BIRTH AND DEATH**

- **Year Born:**  
- **Year Died:**

---

#### 2. NAME OF AUTHOR

**American Society for Testing and Materials**

**DATE OF BIRTH AND DEATH**

- **Year Born:**  
- **Year Died:**

---

#### 3. NAME OF AUTHOR

**American Society for Testing & Materials**

1916 Race Street  
Philadelphia, PA  
19103-1187

**Transfer:** If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

---

**Date and Nation of First Publication of This Particular Issue:**  
March 1996  
U.S.A.

**Year in Which Creation of This Issue Was Completed:**  
1996  
**Copyright Claimant(s):** Name and address must be given even if the claimant is the same as the author given in space 2.

---

**More on back:** Complete all applicable spaces (number 5-11) on the reverse side of this page  
See detailed instructions  
Sign the form at line 10
EXHIBIT 102
**CERTIFICATE OF COPYRIGHT REGISTRATION**

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

---

**FORM SE**

**UNITED STATES COPYRIGHT OFFICE**

**REGISTRATION NUMBER**

| 7X | 2-697-913 |

---

**EFFECTIVE DATE OF REGISTRATION**

NOV 09 1989

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**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.**

---

**TITLE OF THIS SERIAL ▼**

1989 Annual Book of ASTM Standards, GAS WELDING, CUTE & COKE

---

**DATE ON COPIES ▼**

OCTOBER 1989

---

**FREQUENCY OF PUBLICATION ▼**

ANNUAL

---

**PREVIOUS OR ALTERNATIVE TITLES ▼**

---

**NAME OF AUTHOR ▼**

American Society for Testing and Materials

---

**DATE OF BIRTH AND DEATH ▼**

Year Born: Year Died:

---

**AUTHOR’S NATIONALITY OR DOMICILE ▼**

United States

---

**WAS THIS AUTHOR’S CONTRIBUTION TO THE WORK ▼**

Anonymous? Yes No

---

**NOTE**

---

**NAME OF AUTHOR ▼**

American Society for Testing and Materials

---

**DATE OF BIRTH AND DEATH ▼**

Year Born: Year Died:

---

**AUTHOR’S NATIONALITY OR DOMICILE ▼**

United States

---

**WAS THIS AUTHOR’S CONTRIBUTION TO THE WORK ▼**

Anonymous? Yes No

---

**NATURE OF AUTHORSHIP ▼**

Briefly describe nature of the material created by this author in which copyright is claimed:

---

**NAME OF AUTHOR ▼**

American Society for Testing and Materials

---

**DATE OF BIRTH AND DEATH ▼**

Year Born: Year Died:

---

**AUTHOR’S NATIONALITY OR DOMICILE ▼**

United States

---

**WAS THIS AUTHOR’S CONTRIBUTION TO THE WORK ▼**

Anonymous? Yes No

---

**NATURE OF AUTHORSHIP ▼**

Briefly describe nature of the material created by this author in which copyright is claimed:

---

**YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED ▼**

1989

---

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE ▼**

USA

---

**COPYRIGHT CLAIMANT(S) ▼**

American Society for Testing & Materials

---

**ADDRESS ▼**

1916 Race Street

Philadelphia, PA 19103

---

**TRANSFER ▼**

If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

---

**MORE ON BACK ▼**

Complete all applicable spaces (numbers 5-11) on the reverse side of this page.

See detailed instructions.

Sign the form at line 10.
Case 1:13-cv-01215-TSC   Document 198-10   Filed 10/07/19   Page 67 of 90

DO NOT WRITE ABOVE THIS LINE; IF YOU NEED MORE SPACE, USE A SEPARATE CERTIFICATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?
☐ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼
   a. □ This is the first published version of an issue previously registered in unpublished form.
   b. □ This is a changed version of this issue, as shown by space 6 on this application.
   c. ☑ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼ Year of Registration ▼
TX 2469 1969

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.
   a. ▼ Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.
1988 Annual Book of ASTM Standards, Section 15 Volume 05
   b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.
Compilations of previous published text plus additional text.

MANUFACTURERS AND LOCATIONS If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.
Names of Manufacturers ▼ Places of Manufacture ▼

Waferly Press, Inc. Easton, MD

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   a. ☑ Copies and Phonorecords
   b. □ Copies Only
   c. □ Phonorecords Only
See instructions.

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
Name ▼ Account Number ▼

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/ Apt/City/State/Zip ▼
R. L. Meltzer, ASTM 1916 Race Street Philadelphia, PA 19103

CERTIFICATION* I, the undersigned, hereby certify that I am the author or owner of exclusive right(s) of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.
American Society for Testing and Materials Name of author or other copyright claimant, or owner of exclusive right(s) ▼
Robert L. Meltzer ▼
Handwritten signature ▼

MAIL CERTIFICATE TO Name ▼
Certificate will be mailed in window envelope Number/ Street/Apartment Number ▼
ASTM, 1916 Race Street City/State/Zip ▼
Philadelphia, PA 19103

* 17 U.S.C. 1506(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

U.S. GOVERNMENT PRINTING OFFICE: 1986-491-560/42 004

July 1986-120,000
Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number

TX 3-614-549

In testimony whereof, the seal of this office is affixed hereto on

October 1, 2019

United States Register of Copyrights and Director
**FORM SE**
UNITED STATES COPYRIGHT OFFICE

**REGISTRATION NUMBER**

|  |  |  |  
|---|---|---|---|
|  |  |  |  

**EFFECTIVE DATE OF REGISTRATION**

**OCT 18 1993**

**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.**

**TITLE OF THIS SERIAL**

1993 Annual Book of ASTM Standards: Gasous Fuels; Coal and Coke

**Volume**

**Number**

**Date of Cepos**

**Frequency of Publication**

**Annual**

**PREVIOUS OR ALTERNATIVE TITLES**

|  |  |  |  
|---|---|---|---|
|  |  |  |  

**NAME OF AUTHOR**

American Society for Testing and Materials

**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Yes  No

**NATURE OF AUTHORSHIP**

Collective Work  Other

Entire Text

**DATES OF BIRTH AND DEATH**

Year Born  Year Died

**NOTE**

Under the line for "author" is a "latex" indicator.

**NAME OF AUTHOR**

American Society for Testing and Materials

**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Yes  No

**NATURE OF AUTHORSHIP**

Collective Work  Other

Entire Text

**DATES OF BIRTH AND DEATH**

Year Born  Year Died

**NAME OF AUTHOR**

American Society for Testing and Materials

**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Yes  No

**NATURE OF AUTHORSHIP**

Collective Work  Other

Entire Text

**DATES OF BIRTH AND DEATH**

Year Born  Year Died

**NAME OF AUTHOR**

American Society for Testing and Materials

**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Yes  No

**NATURE OF AUTHORSHIP**

Collective Work  Other

Entire Text

**DATES OF BIRTH AND DEATH**

Year Born  Year Died

**NAME OF AUTHOR**

American Society for Testing and Materials

**AUTHOR'S NATIONALITY OR DOMICILE**

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Entire Text

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American Society for Testing and Materials

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Entire Text

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Year Born  Year Died

**NAME OF AUTHOR**

American Society for Testing and Materials

**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Yes  No

**NATURE OF AUTHORSHIP**

Collective Work  Other

Entire Text

**DATES OF BIRTH AND DEATH**

Year Born  Year Died

**YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED**

1993

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

August 20 1993

**COPYRIGHT CLAIMANT**

Name and address must be given even if the claimant is the same as the author given in space 2.

American Society for Testing & Materials

1916 Race Street

Philadelphia, PA 19103-1187

**APPLICATION RECEIVED**

OCT 18 1993

**ONE DEPOSIT RECEIVED**

TWO DEPOSITS RECEIVED

OCT 18 1993

**REMITTANCE NUMBER AND DATE**

Page 1 of 2

Page 70 of 90
EXHIBIT 104
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<th>NAME OF AUTHOR</th>
<th>DATES OF BIRTH AND DEATH</th>
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<tr>
<td>American Society for Testing and Materials</td>
<td>Year Born □ Year Died □</td>
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<td>Was this contribution to the work a &quot;work made for hire&quot;?</td>
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<th>AUTHOR'S NATIONALITY OR DOMICILE</th>
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<td>Name of Country</td>
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<tr>
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<td>□</td>
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</thead>
<tbody>
<tr>
<td>American Society for Testing &amp; Materials</td>
<td>100 Barr Harbor Drive West Conshohocken, PA 19428-2959</td>
</tr>
</tbody>
</table>

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<tr>
<th>TRANSFER</th>
<th>IF THE CLAIMANT(S) NAMED HERE IN SPACE 4 ARE DIFFERENT FROM THE AUTHOR(S) NAMED IN SPACE 2, GIVE A BRIEF STATEMENT OF HOW THE CLAIMANT(S) OBTAINED OWNERSHIP OF THE COPYRIGHT</th>
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<th>MORE ON BACK</th>
<th>• Complete all applicable spaces in numbers 5-11 or the reverse side of this page</th>
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| REMITTANCE NUMBER AND DATE | |
|----------------------------| |
| 1107-1996 | |
1. **Case 1:13-cv-01215-TSC Document 198-10 Filed 10/07/19 Page 76 of 90**

---

### FORM SE

**For a Serial**

| UNITED STATES COPYRIGHT OFFICE |
| REGISTRATION NUMBER |

---

**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.**

**TITLE OF THIS SERIAL**

1998 Annual Book of ASTM Standards, Atmospheric Analysis; Occupational Health and Safety; Protective Clothing

<table>
<thead>
<tr>
<th>Volume</th>
<th>Number</th>
<th>Date on Copies</th>
<th>Frequency of Publication</th>
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<td>11.03</td>
<td>11</td>
<td>October 1998</td>
<td>Annual</td>
</tr>
</tbody>
</table>

---

**PREVIOUS OR ALTERNATIVE TITLES**

---

### NAME OF AUTHOR

American Society for Testing and Materials

---

### DATES OF BIRTH AND DEATH

**Year Born** • **Year Died**

---

**NOTE**

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

---

### NAME OF AUTHOR

**Was this contribution to the work a "work made for hire"?**

- [ ] Yes
- [ ] No

**AUTHOR'S NATIONALITY OR DOMICILE**

- Citizen of ▶
- Domiciled in ▶ United States

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymous?**

- [ ] Yes
- [ ] No

**Pseudonymous?**

- [ ] Yes
- [ ] No

**NATURE OF AUTHORSHIP**

Briefly describe nature of the material created by this author in which copyright is claimed.

**DATE BORN** • **DATE DIED**

---

### NAME OF AUTHOR

**Was this contribution to the work a "work made for hire"?**

- [ ] Yes
- [ ] No

**AUTHOR'S NATIONALITY OR DOMICILE**

- Citizen of ▶
- Domiciled in ▶

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymous?**

- [ ] Yes
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- Domiciled in ▶

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- [ ] Yes
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**Pseudonymous?**

- [ ] Yes
- [ ] No

**NATURE OF AUTHORSHIP**

Briefly describe nature of the material created by this author in which copyright is claimed.

**DATE BORN** • **DATE DIED**

---

### YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

1998 ▶ Year

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

- October ▶ Day ▶ 1 ▶ Year ▶ 1998
- United States ▶ Nation

---

**COPYRIGHT CLAIMANT(S)**

Name and address must be given even if the claimant is the same as the author given in space 2.

American Society for Testing and Materials

100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

---

**TRANSFER**

If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

---

**REMITTANCE NUMBER AND DATE**

DO NOT WRITE HERE

---

**MORE ON BACK**

Complete all applicable spaces (numbers 5-11) on the reverse side of this page.

See detailed instructions.

Sign the form at line 10.
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

☐ Yes  ☐ No  If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

a.  ☐ This is the first published version of an issue previously registered in unpublished form.

b.  ☐ This is the first application submitted by this author as copyright claimant.

c.  ☐ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼  Year of Registration ▼

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material  Identify any preexisting work or works that this work is based on or incorporates. ▼

    1997 Annual Book of ASTM Standards, Section 11, Volume 11.03

b. Material Added to This Work  Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

    Compilation of previously published text plus additional text.

---space deleted---

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS  A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work, identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

a  ☐ Copies and Phonorecords  b  ☐ Copies Only  c  ☐ Phonorecords Only

DEPOSIT ACCOUNT  If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼  Account Number ▼  DA078328

CORRESPONDENCE  Give name and address to which correspondence about this application should be sent.

Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▼  (610) 832-9634

CERTIFICATION  I, the undersigned, hereby certify that I am the

☐ author  ☐ other copyright claimant  ☐ owner of exclusive right(s)

Authorized agent of  American Society for Testing & Materials  ☐

Name of author or other copyright claimant, or owner of exclusive right(s) ▼

Typed or printed name and date ▼  If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Metzer  date ▼  10-1-98

MAIL CERTIFICATE TO

Certificate will be mailed in window envelope

Name ▼  Katha Hooper, ASTM
Number/Street/Apartment Number ▼  100 Barr Harbor Drive
City/State/ZIP ▼  West Conshohocken, PA 19428-2959

Register of Copyrights
Library of Congress
Washington, D.C. 20559

The Copyright Office has the authority to assess fees at 5-year intervals, based on changes in the Consumer Price Index. The next adjustment is due in 2021. This Copyright Office fee must be paid to determine the actual fee schedule.

*17 U.S.C. § 506(e) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500

This form was electronically produced by Elite Federal Forms, Inc.
EXHIBIT 106
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**Case 1:13-cv-01215-TSC**  Document 198-10   Filed 10/07/19   Page 79 of 90

---

**FORM SE**

**CERTIFICATE OF REGISTRATION**

1. **TITLE OF THIS SERIAL**
   - 300 million copies of ASTM standards, Atmospheric Analysis, Personal Safety, Protective Clothing

2. **NAME OF AUTHOR**
   - American Society for Testing and Materials

3. **DATE OF BIRTH AND DEATH**
   - **Year Born**: □ Yes  □ No
   - **Year Died**: □ Yes  □ No

4. **NATURE OF AUTHORSHIP**
   - Brevity describe nature of material created by this author in which copyright is claimed.

---

**NOTE**

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

**AUTHOR'S NATIONALITY OR DOMICILE**
- **Name of Country**: United States

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**
- **Anonymous?**: □ Yes  □ No
- **Pseudonymous?**: □ Yes  □ No

---

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

- **Year**: 2000
- **Nation**: United States

---

**COPYRIGHT CLAIMANT(S)**

- **Name and address must be given even if the claimant is the same as in space 2.**
- **American Society for Testing and Materials**
- **West Conshohocken, PA 19428-2959**

---

**TRANSFER**

- If the claimant(s) named here in space 6 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

---

**MORE ON BACK**
- Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
- See detailed instructions.
- Sign the form at line 8.

---

**EFFECTIVE DATE OF REGISTRATION**
- 11/13/00

---

** pages**

**Case 1:13-cv-01215-TSC**  Document 198-10   Filed 10/07/19   Page 79 of 90
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Have registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

☐ Yes  ☐ No  If your answer is "Yes," why is another registration being sought? (Check appropriate box) □

a. ☐ This is the first published edition of a work previously registered in unpublished form.

b. ☐ This is the first application submitted by this author as copyright claimant.

c. ☐ This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give Previous Registration Number ▼

Year of Registration ▼

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.

Preceding Material: Identify any preexisting work or works that this work is based on or incorporates. ▼


Material Added to This Work: Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Compilation of previous published text plus additional text ▼

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

American Society for Testing and Materials DA078328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Kathie Hooper, American Society for Testing and Materials 100 Barr Harbor Drive

West Conshohocken, PA 19428-2959 ▼

Area code and daytime telephone number ▼ 610-832-5934

Email ▼ khooper@astm.org

Fax number ▼ 610-832-9635

CERTIFICATION* I, the undersigned, hereby certify that I am the [☐ author] [☐ other copyright claimant] ▼ [☐ owner of exclusive right(s)] ▼

Authorized agent of American Society for Testing and Materials ▼

Name of author or other copyright claimant, or owner of exclusive right(s) ▼

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer ▼ Date ▼ 10/27/89

Handwritten signature ▼

Certificate will be mailed in window envelope to this address:

Name ▼

Kathie Hooper, ASTM

Number/Stre息/Apt ▼

100 Barr Harbor Drive

City/State/ZIP ▼

West Conshohocken, PA 19428-2959

*The use of the term "Copyright" in the application for copyright registration does not mean that this work is currently being registered for copyright. It means that registration for copyright will be made. The following statement, made in the application, shall be fined not more than $2,000.

June 1989—50,000

U.S. GOVERNMENT PRINTING OFFICE: 1995-454-879/50
EXHIBIT 107
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**LEGAL RESEARCH**

**AUTHOR**

**American Society for Testing and Materials**

**DATE OF BIRTH AND DEATH**

**Year Born**

**Year Died**

**NATURE OF AUTHORSHIP**

**Collective Work**

**Entire Test**

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

**Month**

**Day**

**Year**

**COPYRIGHT CLAIMANT(S)**

Name and address must be given even if the claimant is the same as the author given in space 2.

**ADDRESS**

**JUL 02, 2001**

**ONE DEPOSIT RECEIVED**

**JUL 02, 2001**

**TWO DEPOSITS RECEIVED**

**Funds Received**

---

**MORE ON BACK**

- Complete all applicable spaces (numbers 6-8) on the reverse side of this page.
- See detailed instructions.
- Sign the form at line 8.

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**Case: 1:13-cv-01215-TSC**

**Document 198-10**

**Filed 10/07/2019**

Page 82 of 90

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**ASTM000131**
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

EVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes □ No □ If your answer is "Yes," why is another registration being sought? (Check appropriate box.) □

J This is the first published edition of a work previously registered in unpublished form.
J This is the first application submitted by this author as copyright claimant.
J This is a changed version of the work, as shown by space 6 on this application.

our answer is "Yes," give: Previous Registration Number □ Year of Registration □

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.

Existing Material Identify any preexisting work or works that this work is based on or incorporates. □

600 Annual Book of ASTM Standards, Section 11 Volume 02

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. □

Compilation of previous published text plus additional text.

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Account Number □

American Society for Testing and Materials DA078328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP □

Kathe Hooper, American Society for Testing and Materials
West Conshohocken, PA 19428-2959

Fax number □ 610-832-9634

E-mail □ khooper@astm.org

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one □

author
other copyright claimant
owner of exclusive right(s)
authorised agent of American Society for Testing and Materials

Name of author or other copyright claimant, or owner of exclusive right(s) □

Typed or printed name and date □ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer Date □ 6/20/01

Handwritten signature □

Certificate will be mailed in window envelope to this address:

Name □ Kathe Hooper, ASTM

Number/Street/Apt □ 100 Barr Harbor Drive

City/State/ZIP □ West Conshohocken, PA 19428-2959

17 U.S.C. § 504(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

©2009 IN REVISION 2010

ASTM000132
EXHIBIT 108
**CERTIFICATE OF REGISTRATION**

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**Register of Copyrights**
United States of America

**Form SE**

**Registration Number**

**TX 4-143-803**

**Effective Date of Registration**
AUG 01 1995

**Title of This Serial**
1995 Annual Book of ASTM Standards:
General Methods and Instruments

**Volume**
14

**Date on Copies**
June, 1995

**Frequency of Publication**
Annual

**Previous or Alternative Titles**

---

**1. Title of the Work**
1995 Annual Book of ASTM Standards: General Methods and Instruments

**2. Name of Author**
American Society for Testing and Materials

**3. Year in Which Creation of This Issue Was Completed**
1995

---

**Name of Author**

**Name of Copyright Claimant(s)**
American Society for Testing & Materials

1916 Race Street
Philadelphia, PA 19103-1187

**Transfer**
If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

---

**More on Back**
- Complete all applicable spaces numbers 5-11 or the reverse side of this page
- See detailed instructions
- Sign the form at line 10

**Application Received**
AUG 01, 1995

**One Deposit Received**

**Two Deposits Received**
AUG 01, 1995

---

**American Society for Testing & Materials**

---

**Register of Copyrights**
United States of America
Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number TX 988-070. In testimony whereof, the seal of this office is affixed hereto on October 2, 2019.

United States Register of Copyrights and Director
**FORM TX**

**UNITED STATES COPYRIGHT OFFICE**

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<td>EFFECTIVE DATE OF REGISTRATION</td>
<td>10/6/82</td>
</tr>
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</table>

**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET (FORM TXCON)**

**TITLE OF THIS WORK:** 1982 Annual Book of ASTM Standards

**Part 10: Testing-Physical, Mechanical, Corrosion Testing**

**PREVIOUS OR ALTERNATIVE TITLES:**

**PUBLICATION AS A CONTRIBUTION:** (If this work was published as a contribution in a periodical, serial, or collection give information about the collective work in which the contribution appeared.)

**Title of Collective Work**

<table>
<thead>
<tr>
<th>Vol</th>
<th>No</th>
<th>Date</th>
<th>Pages</th>
</tr>
</thead>
</table>

**IMPORTANT:** Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire", check "Yes" in the space provided. Give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank.

**NAME OF AUTHOR:** American Society for Testing and Materials

**DATES OF BIRTH AND DEATH:**

<table>
<thead>
<tr>
<th>Born</th>
<th>Died</th>
</tr>
</thead>
</table>

**AUTHOR'S NATIONALITY OR DOMICILE:**

<table>
<thead>
<tr>
<th>Citizen in</th>
<th>or</th>
<th>Domiciled in</th>
</tr>
</thead>
</table>

**AUTHORS OF:** (Briefly describe nature of this author's contribution) Entire Text

**NAME OF AUTHOR:**

**DATES OF BIRTH AND DEATH:**

<table>
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<th>Born</th>
<th>Died</th>
</tr>
</thead>
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<th>or</th>
<th>Domiciled in</th>
</tr>
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**AUTHORS OF:** (Briefly describe nature of this author's contribution)

**YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED:**

*Year 1982*

**DATE AND NATION OF FIRST PUBLICATION:**

*Date: August 10, 1982*

*Nation: United States*

**NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):**

American Society for Testing and Materials

1916 Race Street

Philadelphia, PA 19103

**TRANSFER:** (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

*Complete all applicable spaces (numbers 5-11) on the reverse side of this page

*Follow detailed instructions attached

*Sign the form at line 10