

SECTION 6

Structure Changes

- Hazard Communication moved from Section 1 to Section 6.B
- Confined Space moved to new Section 34
- Appendix C, Silica added as Section 6.N
- Added Paragraphs 6.L Mold Evaluation and 6.M Chromium VI Exposure

SECTION 6.B

- Added the Hazard Communication Requirements from Section 2 to Section 6.B
 - Added requirement for a maximum 10 seconds to reach an emergency eye wash
 - Added language referring to OSHA and NFPA hazardous materials storage and DOT training requirements
 - Lead/Asbestos plans, details clarified here
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SECTION 6.C Hot Substances

- Major rewrite to reflect changes in the industry and lessons learned
 - Added hot kettle distance and placement requirements
 - Added training requirements for hot kettle operators
 - Added engineering requirements for Bituminous-material melting kettles
 - Banned the use of chemicals with low flash points to thin the mixture
 - Added minimum PPE required to operate
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SECTION 6.D

Harmful Plants, Animals and Insects

- Allowed DEET- or Permethrin- Coated Clothing
- Few more details on planning – PPE, training, etc

SECTION 6.E Ionizing Radiation and Section 6.F Non-Ionizing Radiation and EMF

- 06.E, Added requirement for RSO to complete an Annual Review
 - 06.F, Added eye exam for LASER operators
 - 06.F, Added personal protective clothing requirement for working on RF equipment
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SECTION 6.H Abrasive Blasting

- **SILICA SAND PROHIBITED AS A BLASTING MATERIAL**
- Defined minimum level of PPE for abrasive blasting
- Added paragraph on blasting without an enclosure and defined protection for co-located workers
- Added paragraph on outdoors blasting

SECTION 6.I Inclement Weather and Heat/Cold Stress Management

- Assigned responsibility to SSHO to watch for severe weather and make determination as to when to stop work
 - Requires the SSHO to monitor individuals for heat/cold related injuries
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SECTION 6.K

IAQ Management

- Added two paragraphs on mold assessment and remediation
 - Trained individuals required for both the assessment and remediation
 - Building occupants must be informed of the work being done.
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SECTION 6.L Control of Chromium VI Exposures

- 6.L.01 All activities which could generate chromium (VI) fumes, mists, or dusts shall be evaluated by an IH or SP to determine potential personnel exposure over the OSHA chromium (VI) standards
- Lists typical operations
- Evaluation shall be in AHA/APP

SECTION 6.M Crystalline Silica

- Brought Appendix C, Silica, up into Section 6.M
 - Eliminated a few requirements related to silica blasting since it's prohibited
 - Still requirements for monitoring, medical surveillance, and training for silica (potential) exposure
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SECTION 7 LIGHTING

1. Addition to Paragraph 07.A.01 – Perform light monitoring to ensure proper light intensities are provided.
2. Addition to Paragraph 07.A.07 – Light fixtures may be no closer than 18" to overhead sprinkler systems per NFPA Standards.
3. New Paragraph 07.A.09: For temporary lighting, see Section 11.E.06.

Section 8

Accident Prevention Signs, Tags, Labels, Signals,
Piping System Identification And Traffic Control

**Section 8 now references & is
consistent with USACE Sign
Manual**

Section 9 Fire Prevention and Protection

09.C.12 2003 EM prohibited any inside storage. Changed to allow up to 5 one-pound propane cylinders stored indoors (industrial buildings not normally frequented by the public) as long as they are stored away from exits and stairways, or in areas normally used for the safe exit of people.

EM 385-1-1, Section 10

Welding and Cutting

- 10.A.02 All welding equipment shall be inspected before each use
- 10.A.07 All structural welding on critical structures shall be performed by a Certified Welder (AWS). 2003 EM says applies only to contract work – this now applies to all – gov't pr contractor
- 10.A.09 – Based on AHA of activity, PPE is to be selected in accordance with the requirements of Section 5

EM 385-1-1, Section 10

Welding and Cutting

■ 10.B.04 – Chromium (VI) has been added to the list of materials of toxic significance and specific compliance requirements have been cited (29 CFR 1926.1126). An initial worker exposure assessment is required.

10.C.01 – Hot work permits are required on all Government installations when welding, cutting, or heating operations are performed unless otherwise indicated by the GDA.

EM 385-1-1, Section 10

Welding and Cutting

- 10.D.07.a Oxyfuel gas, and other oxygen-fuel gas welding and cutting systems using cylinder-regulator-hose-torch shall be equipped with both a reverse-flow check valve and a flash arrestor, in each hose, at the torch handle or at the regulator. **Used to be required on both hoses, both ends.**
- 10.E.03 – Welding cables shall be inspected for wear and damage before each use. Cables in need of repair shall not be used
- 10.F.04 – The use of engineering and work practice controls is required for certain welding operations in order to reduce worker exposures to lowest achievable levels (wording for Chromium VI activities)