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Standard Guide for Developing a Training Program for Personnel Performing Coating Work Inspection for Nuclear Facilities¹

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1. Scope

1.1 This guide is intended to assist those responsible for developing a program for the indoctrination and training of personnel performing coating inspection work for nuclear facilities.

1.2 It is recognized that organizations and job responsibilities vary widely among utilities and also among various support and service companies. It is the responsibility of the user of this guide to identify the appropriate subject matter for its program and its specific needs.

1.3 Users of this guide must ensure that coatings work complies not only with this guide, but also with the licensee's plant-specific quality assurance program and licensing commitments.

2. Referenced Documents

2.1 ASTM Standards:²

- D16 Terminology for Paint, Related Coatings, Materials, and Applications
- D610 Practice for Evaluating Degree of Rusting on Painted Steel Surfaces
- D714 Test Method for Evaluating Degree of Blistering of Paints
- D1005 Test Method for Measurement of Dry-Film Thickness of Organic Coatings Using Micrometers
- D2240 Test Method for Rubber Property—Durometer Hardness
- D2583 Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor
- D3276 Guide for Painting Inspectors (Metal Substrates)
- D3359 Test Methods for Measuring Adhesion by Tape Test
- D3363 Test Method for Film Hardness by Pencil Test

¹ This guide is under the jurisdiction of ASTM Committee D33 on Protective Coating and Lining Work for Power Generation Facilities and is the direct responsibility of Subcommittee D33.04 on Quality Systems and Inspection.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

- D3843 Practice for Quality Assurance for Protective Coatings Applied to Nuclear Facilities
- D3925 Practice for Sampling Liquid Paints and Related Pigmented Coatings
- D4138 Practices for Measurement of Dry Film Thickness of Protective Coating Systems by Destructive, Cross-Sectioning Means
- D4212 Test Method for Viscosity by Dip-Type Viscosity Cups
- D4214 Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films
- D4258 Practice for Surface Cleaning Concrete for Coating
- D4259 Practice for Abrading Concrete
- D4260 Practice for Liquid and Gelled Acid Etching of Concrete
- D4261 Practice for Surface Cleaning Concrete Masonry Units for Coating
- D4262 Test Method for pH of Chemically Cleaned or Etched Concrete Surfaces
- D4263 Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method
- D4285 Test Method for Indicating Oil or Water in Compressed Air
- D4414 Practice for Measurement of Wet Film Thickness by Notch Gages
- D4417 Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel
- D4537 Guide for Establishing Procedures to Qualify and Certify Personnel Performing Coating Work Inspection in Nuclear Facilities
- D4538 Terminology Relating to Protective Coating and Lining Work for Power Generation Facilities
- D4541 Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers
- D4610 Guide for Determining the Presence of and Removing Microbial (Fungal or Algal) Growth on Paint and Related Coatings
- D4752 Practice for Measuring MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub
- D4787 Practice for Continuity Verification of Liquid or Sheet Linings Applied to Concrete Substrates