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INSPECTION OF STEEL
SUBSTRATE SURFACE
PREPARATION, PRIMER
APPLICATION, PRIMER
REPAIR, SEAL AND
FINISH COAT APPLICATION
AND REPAIR

PREPARED BY: [Signature] 5-15-84
DATE

APPROVED BY: [Signature] 5-15-84
DATE

APPROVED BY: [Signature] 5-15-84
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1.0 GENERAL

1.1 PURPOSE AND SCOPE

The purpose of this instruction is to outline methods utilized by Quality Control personnel in inspection of steel substrate surface preparation, primer application, primer repair, seal and finish coat application and repair for Unit 1 Reactor Building.

2.0 INSTRUCTION

Visual inspection of surfaces as addressed by this instruction shall be made at approximately 30" in distance or an arms length from the surface being inspected. The area of inspection shall be adequately lighted during the inspection activity. Adequate lighting is defined as the minimum light produced by a two (2) D-cell battery flashlight.

Visual aids fabricated on site and approved by Quality Assurance and Engineering may be used by Inspectors as an aid in the performance of their inspections.

For definitions, refer to Attachment 7.

If a conflict arises between the requirements of this procedure and the requirements of the site specification, the requirements of the site specification shall prevail.

2.1 PRE-BLAST CLEANING OPERATIONS

2.1.1 Abrasive Acceptability

The Inspector shall obtain a sample of the abrasive to be used from each work area. The abrasive shall be verified to be dry by feel with no grease, oil and deleterious material. Verify that proper blast abrasive is used

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2.1.2 Blast Equipment Acceptability

The inspector shall perform the following inspections/tests to determine acceptability of blast cleaning equipment prior to use:

- a. Air supply (refer to Attachment 1B).
- b. Ambient conditions (reference Attachment 1A and 6).

2.1.3 Solvent Cleaning (If Contamination Is Present)

If oil, grease, or other contamination is present, verify that solvent cleaning is performed and that contamination is removed prior to blast/power tool cleaning steel surfaces.

2.2 POST SURFACE PREPARATION OPERATION

2.2.1 Blast Cleanup

The inspector shall visually check the blasted substrate surface.

The surface shall be air blasted or solvent wiped to the extent required for final surface inspection. The adjacent areas shall be cleaned to the extent necessary to avoid contamination during subsequent coating applications.

2.2.2 Blasted or Power Tooled Surface Acceptability

The inspector shall perform the following inspections to determine acceptability of the blast cleaned or power tooled surface:

- a. Absence of Foreign Matter -- A visual inspection shall be performed to determine that all oil and grease, dirt, millscale, rust, corrosion products, oxides, paint or other foreign matter have been completely removed from the surface except for light shadows, very slight streaks or slight discolorations caused by rust stains, mill scale, oxides, or slight, tight residues of paint or coating that may remain. At least 95 percent of each square inch of surface area shall be free of all residues, and the remainder shall be limited to light discolorations as mentioned above.

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NOTE: For power tooled surfaces, in addition to the 5 percent of tight residue of paint or coating which is permissible, shadows or tightly adhering residues of primer may remain (without limit) in the profile of the previously prepared substrate. However, areas with residues of Carboline 191 primer shall be recoated with Carboline 191 primer. Areas with residues of inorganic zinc may be coated with either inorganic zinc or Carboline 191 primer.

- b. Sharp Projections -- An inspection for sharp projections that were not rounded during blast cleaning or power tooling shall be performed. Sharp projections are unacceptable and shall be ground to a rounded contour.

Weld spatter on structural steel which remains after power tooling and/or sand blasting will be acceptable.

- c. Anchor Pattern Depth -- The anchor pattern depth of surfaces shall be inspected at random locations as necessary using a Keane-Tator Surface Profile Comparator (model 373) or approved equal.

The anchor pattern depth for all surfaces shall be a minimum of 1.0 mils.

Surfaces that have been power tooled with "3M Clean-N-Strip", 60 grit and coarser "flapper wheels", provide acceptable surface profile, when properly used over a previously blasted and coated surfaces.

For power tooled steel surfaces, the 1 mil minimum profile shall be verified by visual comparison to a standard of known profile or other approved methods.

2.3 PRIMER PRE-APPLICATION INSPECTIONS

2.3.1 Ambient Conditions

The inspector at the "paint distribution point" in Reactor 1 shall verify ambient conditions in accordance with Attachment 1-A.

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2.3.1.1 Documentation of Environmental Conditions

- a. The inspector assigned to the "paint distribution point" in the Reactor building shall, as a minimum, take a complete set of readings (air temperature, relative humidity, dew point and surface temperature) on each floor elevation at least three (3) times each shift (preferably, the beginning, mid point and just prior to the end of each shift). More readings may be taken when necessary (i.e., noticeable change in air temperature, request by field inspector to take readings in a specific area, etc.).
- b. The inspector at the "paint distribution point" shall document these readings on Attachment 6 as follows:
 1. The inspector shall fill in the applicable information as delineated on the form, except for the "Report No. _____". (The Report No. will be filled in by the Paper Flow Group when they assign numbers, prior to transmitting to the QA Vault.
 2. Upon completion of the shift, the inspector shall turn all of the environmental log sheets for that shift into the lead inspectors.
- c. The lead inspector(s) shall review the log sheets for completeness and correctness, sign and date the "QC Review" block, obtain copies for QC reference and transmit the originals to the Paper Flow Group.
- d. If at any time the inspector determines readings which do not comply with the parameters set forth in this procedure, he shall proceed in the following manner:
 1. Immediately take an additional set of readings in the immediate area of the first set of unacceptable readings and record them on the environmental log.
 2. If the additional set of readings are acceptable, take a third set of readings for referee purposes and record them. If the referee set of readings are acceptable, then the area in question is acceptable but should be closely monitored with readings as necessary.

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3. If the additional set of readings is unacceptable and/or the referee set of readings is unacceptable, the inspector is to notify the coatings inspectors and/or craft personnel in the areas affected so that coating work may be stopped at that time. Coating work shall not continue until the ambient conditions resume an acceptable status.
4. When unacceptable ambient conditions occur and are verified by step 3 above, the inspector shall document it on a Nonconformance Report (NCR) in accordance with CP-QP-16.0 and adequately identify the affected areas, elevations and items.

2.3.2 Substrate Surface Acceptability

The Inspector shall visually reinspect the sandblasted or powertooled surface of the substrate just prior to primer application for evidence of contamination (oil, grease, markings, rust, etc.) Contamination must be removed prior to priming.

If rust forms after Blasting or Power Tooling, the surface shall be re-cleaned before priming.

2.3.3 Air Supply Acceptability

The Inspector shall inspect the air per Attachment 18.

2.3.4 Qualification of Applicator(s)

The Inspector shall verify (by Qualification Record or list of qualified applicators from QA file) that the coating applicators are qualified for safety-related coating work. The applicator(s) badge number shall be listed on the back of the traveler.

2.3.5 Mixing Operations

2.3.5.1 Coating Materials Identification

An inspector shall inspect the coating material containers prior to mixing contents for product identification and verify that all materials are correct for coating application.

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Approved materials are:

CZ-11

Carbo Zinc 11 base
Carbo Zinc filler
Carboline #21 or 33 Thinner

DIMETCOTE-6

Dimetcote 6 base
Dimetcote filler
Amercoat #65 or 101 Thinner

CARBOLINE 191

Carboline 191 Primer
Carboline 191 Catalyst
Carboline #15 Thinner

PHENOLINE 305

Phenoline 305 base
Phenoline 305 catalyst
Phenoline thinner

An inspector shall also verify that each component container is identified by batch number and that the shelf life has not expired. Carbo Zinc 11 base and Carboline 191 has a shelf life of 12 months. Carbo Zinc filler, Dimetcote 6 base and filler, and Phenoline 305 all have a shelf life of 24 months. Pot life shall be monitored in accordance with Attachment 8.

2.3.5.2 Mixing Operations

An inspector shall witness each mixing/thinning operation. The inspector shall verify that mixing operations are performed in accordance with Attachment 2.

Prior to distribution of CZ-11 or D-6 inside the building it shall be power mixed or boxed.

2.3.5.3 Thinning Operation

Coating materials (if thinned) viscosity control shall be accomplished by adding thinner as required, but shall not exceed two quarts of thinner per gallon of material.

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2.3.5.4 When coating materials are mixed/thinned, the inspector verifying the mixing operation shall fill out the Paint Mix Slip, Attachment 3. The inspector performing the pre-application inspection shall record the mix sheet number on the travelers. The Mix Slip shall be returned to the Paper Flow Group at the end of each shift to be sent to the vault.

2.4 PRIMER APPLICATION INSPECTION

2.4.1 Monitoring of Primer Application

During application operations of D-6 and CZ-11, the QC Inspector shall monitor that the pressure pot is continuously agitated. The QC Inspector shall also verify that the hose length does not exceed 75 feet. CZ-11 and D-6 shall not be brush applied to areas larger than 1 sq. ft.

2.4.2 During application of Carboline 191, the inspector will monitor to assure that no fisheyes appear in the applied coating. If detected, the inspector shall inform the paint foreman of their presence and that they should be removed while coating is still wet, surface cleaned with solvent and coating reapplied.

2.4.3 The inspector shall monitor the pot life in accordance with Attachment 8.

2.5 INSPECTION OF PRIMER

2.5.1 Primer Inspection Prior to Application of Seal or Finish Coat

a. Verify the primer has cured sufficiently for the top coating (as determined by the use of a nickel test on D6 and CZ-11). Cure to top coat of Carboline 191 shall be the same as time to recoat for Phenoline 305, stated in Sec. 2.9.1.

b. Perform a visual inspection of the primed surface in accordance with the following:

1. Runs/sags which do not exceed the maximum dry film thickness for each coating applied and show no evidence of mud cracking or loss of adhesion are acceptable. Repairs for runs/sags other than the aforementioned shall be per Sec. 2.6.2 or 2.6.3, as applicable.

2. Dry Spray - Must be removed before overcoating per Sec. 2.6.3.

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3. Contamination - unacceptable; remove and repair per Sec. 2.6.2 or 2.6.3, as applicable. (See note)
Oil and grease - unacceptable; remove and repair per Sec. 2.6.2 or 2.6.3, as applicable. (See note)
4. Skips/damaged areas/holidays or voids - unacceptable; repair per Sec. 2.6.2 or 2.6.3, as applicable.
5. Orange peel - Moderate amounts are acceptable. Other than moderate amounts; repair as Sec. 2.6.3.
6. Bubbling - unacceptable; repair per Sec. 2.6.2 or 2.6.3, as applicable (does not apply to CZ11 or D-6).
7. Treatment of Stains - Material causing stain shall be removed using bristle brush and water or Carboline Thinner #33. Area shall then be solvent wiped. Stains that remain on surface are acceptable as is. Allow the surface to dry thoroughly prior to further coating. (See note)

NOTE: For items primed with inorganic zinc, hand clean with "3M Scotch-brite" pads moistened with solvent such as xylol or Carboline #33 or #305. Cleaning in this prescribed manner provides acceptable preparation for further coating applications when used properly, if questions arise concerning the above they shall be evaluated by the Project Civil Engineer or Designee.

- c. The inspector shall perform a DFT inspection of the cured primer film. A calibrated 0-25 Elcometer Inspector DFT gage Model III/1E, or equivalent, shall be used. Separate spot measurements (See Note 1) spaced evenly over the structure (See Note 2) shall be taken. Since the magnetic gage is sensitive to geometric discontinuities in the steel, measurements less than 1 inch from the edge or a hole should be avoided (See Note 3).

Dry Film Thickness shall be as follows:

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| | Min. (mils) | Max. (mils) |
|---------------------------|-------------|-------------|
| Carboline 191 spot test | 1.6 | 7.0 |
| CZ-II spot test | 1.5 | 7.0 |
| D6 spot test | 1.5 | 5.5 |
| D6 average DFT | 2.0 | 5.0 |
| CZ-II average DFT | 2.0 | 6.0 |
| Carboline 191 average DFT | 2.0 | 6.0 |

NOTE 1: A spot measurement is a series of three measurements in the same general area. The probe should be moved a short distance for each gage reading. Discard any unusually high or low gage reading that cannot be repeated consistently. Take an average of these three gage readings as one spot measurement.

In the event that any spot is found to be outside of the acceptable thickness range, three additional spots shall be taken at approximately 6 inches from the failing spot and spaced radially at approximately 120 degree intervals to determine the extent of the unacceptable area. Unacceptable areas shall be repaired per Sec. 2.6.3 or 2.6.4.

NOTE 2: Five spot tests shall be taken for every 100 square feet of coated surface. For areas less than 100 square feet, the following shall apply:

| Area Sq. Ft. | No. Spots |
|--------------|-----------|
| 100-80 | 5 |
| 80-50 | 4 |
| 50-10 | 3 |
| 10-3 | 2 |
| 3-0 | 1 |

NOTE 3: Items with appreciable surface curvature and other geometrical discontinuities, such as handrails, gratings, stairs, sway struts, checker plate, etc., shall be exempt from dry film thickness measurement. For piping, struts, spring canisters, etc, appreciable curvature will be considered as less than 4" in diameter.

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2.6 PRIMER REPAIRS

2.6.1 Sags and Runs

Runs/sags which do not exceed the maximum dry film thickness for each coating applied and show no evidence of mud cracking or loss of adhesion are acceptable. Repairs for runs/sags other than the aforementioned shall be removed. Repair per Sec. 2.6.2 or 2.6.3, as applicable.

2.6.2 Primer Touch-up Repair (Primer Damaged to Steel Surface)

The coating inspector shall conduct the following inspections to document primer touch-up repair operations when the damage is to the steel surface and spot sandblasting or power tool abrading is performed for surface preparation.

- a. Surface preparation Ref. Sec. 2.2.2.
- b. Verify that the blasted or power tooled surface has been high pressure air blowdown, and/or solvent wiped to the extent required for final surface inspection. The adjacent areas shall be cleaned to the extent necessary to avoid contamination during subsequent coating applications.
- c. Ambient Conditions: Ref. Attachment 1A and 6.
The surface temperature shall be a minimum of 5° above the dew point.
- d. Verify applicator qualifications per 2.3.4.
- e. Verify air supply acceptability per Attachment 1B.
- f. Mixing operation, Reference Sec. 2.3.5.
- g. Verify that primer is applied in accordance with Sec. 2.4.

NOTE 1: (If applicable) Coating interface - at coating interface for finish and/or primer coat, the existing coating shall be "feathered back" a sufficient distance to ensure a smooth final coating system. When inspecting coating interface the interface of the coating or

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systems shall be a maximum of 1½ inch in width. Within the interface area, overlapping of any materials or systems is acceptable.

NOTE 2: When inorganic zinc is applied at an interface, the cured inorganic zinc shall be screened or abraded prior to application of next coat.

2.6.3 Primer Touch-up Repair (Primer Damage Does Not Extend to Steel Surface)

The coating inspector shall conduct the following inspections for primer touch-up repair operations when the damage is within the primer coat and sandblasting to the steel substrate is not required.

- a. Verify surface is abraded lightly then wiped clean.
- b. Perform inspections in Sec.(s) 2.3 (except 2.3.2) and 2.4.
- c. Visually verify acceptability of repaired area per Sec. 2.5.

2.6.4 Repair of Primer by Recoating

The coating inspector shall conduct the following inspections for primer recoating repair. Only two (2) overcoats may be applied of inorganic zinc primer.

- a. Verify that the surface has been solvent cleaned or blown down with high air pressure. Contamination is unacceptable and requires further cleaning.
- b. Perform inspections in Sec.(s) 2.3 (except 2.3.2) and 2.4.
- c. Minor defects (mechanical damage such as construction damage or exposing substrate during surface preparation operations, etc.) perform inspection in Sec. 2.10.2. Reference Attachment 7.
- d. Major defects (mechanical damage such as construction damage or exposing substrate during surface preparation operations, etc.) perform inspections in Sec. 2.10.3. Reference Attachment 7.

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2.6.5 Complete Primer Repair (Primer Damage to Steel Surface Extends Over Entire Item)

The coating inspector shall conduct the following inspections to document primer repair when the damage is to the steel surface and requires surface preparation to steel substrate over entire item:

- a. Verify ambient conditions per Attachment 1A prior to surface preparation. See Attachment 6.
- b. Perform inspections (a) through (g) in Sec. 2.6.2.

2.6.6 In-process repairs shall be documented on the Traveler (Attachment 4) showing their status and/or completion.

2.7 FINISH COAT PRE-APPLICATION INSPECTIONS

The QC inspector shall verify the following items prior to applying coatings:

2.7.1 Coating Applicator Qualifications

The Inspector shall verify (by Qualification Record or list of qualification records in QA File) that the coating applicators on each shift are qualified for safety-related coating work.

2.7.2 Ambient Conditions (Refer Attachment 1A and 6)

The permissible range of surface and ambient temperature for application of finish coat shall be 50-120°F.

The maximum humidity shall be 85% for Phenoline 305.

The surface temperature shall be a minimum of 5°F above the dew point.

2.7.3 Coated Surface Acceptability

The Inspector shall visually reinspect the previously coated surface just prior to finish coat application for evidence of contamination (oil, grease, foreign matter). The defective areas shall be removed and repaired per Sec. 2.6 as applicable

2.7.4 Air Supply Acceptability (Per Attachment 1B)

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2.7.5 Finish Coat Mixing Operations

- 2.7.5.1 Prior to mixing, the mixing inspector shall verify that each component is identified by batch numbers and that the 24 month shelf life has not been exceeded.
- 2.7.5.2 The mixing inspector shall verify that mixing/thinning operations are performed in accordance with Sec. 2.3.5. Thinning may be done up to two quarts of Phenoline Thinner per gallon of Phenoline 305.
- 2.7.5.3 Mixing operation shall be documented on the traveler per Sec. 2.3.5.4.

2.8 MONITORING OF SEAL OR FINISH COAT APPLICATION

- 2.8.1 The Inspector shall verify that hose length does not exceed 75 feet.
- 2.8.2 The inspector shall also verify that the seal coat (if present) is solvent with xylol or 305 thinner wiped prior to finish coat application.
- 2.8.3 The inspector shall monitor to assure that no fisheyes appear in the applied coating. If detected, the inspector shall inform the paint foreman of their presence and that they should be removed while coating is still wet, surface cleaned with solvent and coating reapplied.
- 2.8.4 The inspector shall monitor the pot life in accordance with Attachment 8.

2.9 FINISH COAT FINAL ACCEPTANCE INSPECTION

The inspector shall perform a final acceptance inspection of each finish coated item(s) in accordance with Paragraphs 2.9.1 through 2.9.4.

NOTE 1: (If applicable) Coating interface - at coating interface for finish and/or primer coat, the existing coating shall be "feathered back" a sufficient distance to ensure a smooth final coating system. When inspecting coating interface the interface of the systems shall be a maximum of 1½ inch in width. Within the interface area, overlapping of any materials or systems is acceptable.

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NOTE 2: If present, the tie in interface between concrete coatings and steel coatings shall be visually inspected during the finish coat final acceptance of both systems.

NOTE 3: When inorganic zinc is applied at an interface, the cured inorganic zinc shall be screened or abraded prior to application of next coat.

2.9.1 Finish Coat Cure

Final QC inspection may be performed after a minimum topcoat cure of 24 hours and cure to recoat time has been met.

Curing and time to recoat for Carboline 191 and Phenoline 305 shall be as shown below:

| <u>Between Coats</u> | <u>Temperature °F</u> |
|----------------------|-----------------------|
| 72 hours | 50 - 59 |
| 36 hours | 60 - 74 |
| 18 hours | 75 - 89 |
| 12 hours | 90 and above |

Phenoline thinned at 50% and applied as a seal coat may be recoated after 4 hours of cure at or above 75°F.

2.9.2 Visual Defects Inspection

The Inspector shall perform a visual inspection of the cured finish coated substrate surface in accordance with the following:

- a) Runs/sags - Runs or sags in which the DFT of the total coating system is 15.0 mils or less thick, which show no evidence of mudcracking, are acceptable. Those greater than 15.0 mils shall be repaired per Sec. 2.10.1.
- b) Skips, damaged areas, holidays, voids, bubbles, and blisters are not acceptable and shall be repaired per Sec. 2.10, as applicable.
- c) Pinholes - acceptable to the extent allowed by Attachment 5; areas not acceptable shall be repaired per Sec. 2.10.5.
- d) Contamination - unacceptable; areas shall be repaired per Sec. 2.10.4. Ref. Attachment 7.

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- e) Dry spray - unacceptable; shall be repaired per Sec. 2.10.6. A minor amount of adherent dry spray is acceptable on the final finish coat. Ref. Attachment 7.
- f) Color and gloss non-uniformity - unacceptable; shall be repaired per Sec. 2.10.8. Ref Attachment 7.
- g) Orange Peel: Moderate amount is acceptable, other than moderate amounts to be repaired per Sec. 2.10.7.

NOTE 1: Top coated areas which have been abraded for various reasons (runs, sags, high millage, and contamination) and are within acceptable procedural thickness following repairs, do not require recoating for gloss enhancing.

NOTE 2: For small repair areas such as pinholes, color and gloss uniformity is not required, provided the coating is smooth and continuous.

2.9.3 Dry Film Thickness (DFT)

The Inspector shall perform a DFT of the cured coating system. A calibrated 0-25 Elcometer Inspector DFT Gage Model III/1E, or equivalent, shall be used. Separate spot measurements (See Note 1) spaced evenly over the structure (See Note 2) shall be taken. Since the magnetic gage is sensitive to geometric discontinuities in the steel, measurements less than 1 inch from an edge or a hole should be avoided. (See Note 3).

The average DFT of the total coating system shall be a minimum of 6.0 mils and a maximum of 13.0 mils. The spot test DFT of the total coating system shall be a minimum of 6.0 mils and a maximum of 15.0 mils.

The finish coated system shall exhibit full "hiding" properties of the primecoat.

NOTE 1: A spot measurement is a series of three measurements in the same general area. The probe should be moved a short distance for each gage reading. Discard any unusually high or low gage reading that cannot be repeated consistently. Take an average of these three gage readings as one spot measurement.

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In the event that any spot is found to be outside of the acceptable thickness range, three additional spots shall be taken at approximately 6 inches from the unacceptable spot and spaced radially at approximately 120 degree intervals to determine the extent of the unacceptable area. Dimensions and locations of unacceptable areas and results of additional testing shall be documented on the traveler/sketch. Unacceptable areas shall be repaired per Sec. 2.7, 2.8, and 2.9.

NOTE 2: Five spot tests shall be taken for every 100 square feet of coated surface. For areas less than 100 square feet, the following shall apply:

| Area Sq. Ft. | No. Spots |
|--------------|-----------|
| 100-80 | 5 |
| 80-50 | 4 |
| 50-10 | 3 |
| 10-3 | 2 |
| 3-0 | 1 |

NOTE 3: Items with appreciable surface curvature and other geometrical discontinuities such as handrails, checker plate, gratings, stairs, sway struts, etc. shall be exempt from DFT measurement. For piping, struts, spring canisters, etc., appreciable surface curvature will be considered as less than 4" diameter.

2.9.4 Continuity Inspection

The Inspector shall test the continuity of the cured finish coat on liner plate using a Tinker and Razor Model M1 (67.5 volt) holiday detector. 100% of the finish coated surface area shall be tested.

The applied film should contain only a minor number of points of discontinuity. No more than two points of discontinuity should occur within an area having a radius of 6 inches as measured from a point of discontinuity (pinholes). No more than 40% of the total number of allowable points of discontinuity should occur within any one area equal to 25% of the total area being coated. The total number of pinhole discontinuities allowed is defined in Attachment 5. No gross discontinuities are allowed.

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2.10 REPAIRS OF FINISH COAT

2.10.1 Repairs of Runs and Sags

The QC inspector shall verify that the area is abraded until the DFT of the total coating system is within 6.0 and 15.0 mils, and examined for mudcracking. Mudcracking, if present shall be removed and repaired in accordance with Sec. 2.10.2 or 2.10.3.

2.10.2 Repair of Minor Defects

The QC inspector shall perform the following inspection when repairing minor defects:

- a) Verify ambient conditions per Attachment 1A prior to surface preparation.
- b) Verify that the damaged area is blasted or abraded by hand or power tool until all loosely adherent particles are removed.
- c) Verify damaged area is solvent wiped.
- d) Perform inspections described in Sec. 2.7, 2.8 and 2.9. as applicable.
- e) Minor defects may be repaired at the time of final inspection without later reinspection of the repair.

2.10.3 Repair of Major Defects

The QC inspector shall perform the following inspection when repairing major defects; if damage goes to substrate power tools shall be used in lieu of handsanding.

- a) Verify ambient conditions per Attachment 1A and 6.
- b) Verify area is power tooled or spot blasted until all loosely adherent particles are removed.
- c) Verify area is solvent wiped.
- d) Perform inspections in Sec. 2.2.2, 2.7, 2.8 and 2.9.

2.10.4 Repair of Contamination

The QC inspector shall verify that contamination is removed. If contamination can be removed by abrasion without affecting

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the continuity of the system, recoating of the area after removal is not required if the coating system thickness is within procedural limits. (Reference Sec. 2.9.2 Note 1).

2.10.5 Repair of Pinholes and Small Discontinuities

- a) Verify all loose particles are removed and area is solvent wiped.
- b) Pinholes and small discontinuities may be repaired at the time of final inspection without a later reinspection of the repair. The inspections in Sec. 2.7 and 2.8 still apply.

2.10.6 Repair of Dry Spray

Repair of dry spray identifiable by visual inspection defined within this procedure shall be removed.

- a) Verify all loose particles are removed.
- b) Verify coating film thickness is still within allowable range.
- c) If film thickness is not within allowable range perform inspections in Sec. 2.7, 2.8 and 2.9.

NOTE: A minor amount of adherent dry spray is acceptable on the final finish coat.

2.10.7 Repair of Other Than Moderate Amounts Of Orange Peel

- a) Verify the affected area is abraded and solvent wiped.
- b) Verify the affected area is refinished and perform the inspections delineated in Sec. 2.7, 2.8 and 2.9.

2.10.8 Repair of Gloss and Color Nonuniformity

- a) Verify the affected area is abraded and solvent wiped.
- b) Verify the affected area is recoated without exceeding the maximum film thickness and perform inspections in Sec. 2.7, 2.8 and 2.9.
- c) Top coated areas which have been abraded for various reasons (i.e., runs, sags, high millage, and contamination) and are within acceptable procedural thickness, following repairs, do not require recoating for gloss enhancing.

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d) For small repair areas such as pinholes, color and gloss uniformity is not required, provided the coating is smooth and continuous.

2.10.9 Documentation of In-Process Repairs

In-process repairs shall be documented on the traveler (Attachment 4) showing their completion and/or status.

2.11 NONCONFORMANCES

2.11.1 Nonconforming conditions such as coating failure due to loss of adhesion or indeterminate/unacceptable conditions which cannot be repaired or corrected as per existing procedures shall be documented on a Nonconformance Report (NCR) in accordance with CP-QP-16.0. The NCR number shall be referenced on the inspection traveler, if applicable.

2.12 DOCUMENTATION (REFER TO ATTACHMENT 4)

2.12.1 All inspections required by this procedure shall be recorded in the inspection attributes on the back of the travelers (Attachment 4). Preparation and processing of the traveler shall be per QI-QP-11.4-28.

2.12.2 When the inspections required by Sections 2.1 through 2.2 have been satisfactorily completed, Step 1 shall be signed and dated by the inspector.

2.12.3 When the inspections required by Sections 2.3 through 2.7 have been satisfactorily completed, Step 2 shall be signed and dated by the inspector.

2.12.4 When the inspections required by Sections 2.8 through 2.8.4 have been satisfactorily completed, Step 3 shall be signed and dated by the inspector.

2.12.5 When the inspections required by Sections 2.9 through 2.10.9 have been satisfactorily completed, Step 4 shall be signed and dated by the inspector.

2.13 SPECIAL COATINGS PROCEDURES

Special coatings procedures and instructions set forth in CCP-30-M procedures as applicable under the scope of this procedure, shall be inspected as per the guidelines of this procedure using the criteria established in the special coatings procedures.

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3.0 CLARIFICATION

3.1 SHOP COATED ITEMS

3.1.1 Items removed from the building for coating at the paint shop shall be the responsibility of the craft department.

3.1.1.1 The craft shall be responsible for identifying each piece by work package number.

3.1.1.2 The craft shall be responsible for returning and installing the shop coated item in the same area it was removed from.

3.1.2 The shop QC Inspector shall inspect the item(s) in accordance with QI-QP-11.4-1 and QI-QP-11.4-5, as applicable, and document his inspections on an Inspection Report (IR) in accordance with those procedures.

3.1.2.1 In addition to the information required by 11.4-1 or 11.4-5, the shop inspection shall reference the work package number identified on the item(s) on the Inspection Report (IR).

3.1.2.2 The IR, upon completion, shall be transmitted to the Paper Flow Group (PFG) for inclusion in the work package.

3.1.3 The QC Inspector (in the field) shall verify that items prepared/coated in the shop, which are included in the scope of the traveler, have the applicable inspection reports (IR) from the shop included in the work package and correspond with the identification on the item(s).

3.1.4 Items which have been finalized in the shop but incur mechanical damage during reinstallation shall be repaired in accordance with QI-QP-11.4-26 and documented on the traveler accordingly.

3.2 REPAIR OF MECHANICAL DAMAGE TO COMPLETED ITEMS

3.2.1 Areas that have been completed, inspected, accepted and traveler package closed which incur major damage at a later date may be repaired, inspected and documented on the supplemental traveler Attachment 9, "Steel Protective Coating Inspection Repair Traveler". Otherwise, the minor areas of mechanical damage, which occur after completion of an area, will be repaired during the final protective coatings walkdown.

3.3 INACCESSIBLE/LIMITED ACCESS AREAS

If questions arise concerning inaccessible or limited access

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areas per specifications 2323-AS-31 and/or nondeleterious embedded foreign material in the final finish coat, the above condition(s) will be evaluated by the Project Civil Engineer or designee. Clarification and acceptance of the above stated condition(s) shall be so denoted by signature of the engineer with date and comments as required, in the comments section of the applicable step.

4.0 ATTACHMENTS

- 4.1 Attachment 1, "Ambient Conditions"
- 4.2 Attachment 18, "Air Supply Acceptability"
- 4.3 Attachment 2, "Preparation of Coating Materials"
- 4.4 Attachment 3, "Paint Mix Slip"
- 4.5 Attachment 4, "Steel Protective Coating Inspection Traveler"
- 4.6 Attachment 5, "Total Number of Allowable Points of Discontinuity"
- 4.7 Attachment 6, "Environmental Log Sheet"
- 4.8 Attachment 7, "Definitions"
- 4.9 Attachment 8, "Pot Life Reference Sheet"
- 4.10 Attachment 9, "Steel Protective Coating Inspection Repair Traveler"

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ATTACHMENT 1A

Ambient Conditions

The inspector shall determine against the Environmental Sheet (Attachment 6) air temperature, surface temperature, relative humidity and dew point of substrate structures. A calibrated non-mercury filled dry bulb thermometer or calibrated temperature recorder (Bristol 4069TH or equivalent) shall be used for air temperature determination. A calibrated non-mercury wet bulb thermometer or a calibrated humidity recorder (Bristol 4069TH or equivalent) shall be used to determine relative humidity. The dew point shall be determined by the difference in dry and wet bulb temperatures using the U.S. Department of Commerce Weather Bureau Psychrometric Tables, WB No. 235. When dry bulb readings are greater than 100°F, the dew point and relative humidity should be determined using the 100°F dry bulb reading. If the dry bulb thermometer exceeds 100°F, the instrument shall be returned to the calibration lab for recalibration. The surface temperature shall be determined by placing a calibrated surface temperature thermometer (Omega-Amprobe fast temp. range of 10°-250°F) in contact with the substrate surface until the temperature reading stabilizes.

Final surface preparation shall not begin unless the temperature of the surface is a minimum of 5°F above the dew point.

Normal conditions of ambient and surface temperature for application of primer shall be as follows:

| | <u>Ambient Temp. (°F)</u> | <u>Surface Temp. (°F)</u> |
|---------------|---------------------------|---------------------------|
| Dimetcote 6 | 40-120 | 40-130 |
| Carbo Zinc 11 | 40-95 | 40-110 |
| Carboline 191 | 50-120 | 50-120 |
| Phenoline 305 | 50-120 | 50-120 |

Inorganic zinc primer may be applied within an ambient range of 0°F to 130°F and surface temperature range of 0°F to 200°F.

Humidity values may vary from 0% to 95% for inorganic primers; however, primers shall not be applied to a wet or damp surface.

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ATTACHMENT 1A (Cont.)

Minimum and maximum values of relative humidity for
Phenoline 305 and Carboline 191 shall be 0% to 85%.

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ATTACHMENT 18

Air Supply Acceptability

An inspector shall inspect the air supply system of blast and spray equipment for suitable filters/traps/separators and that they are left cracked open. The effectiveness of these items shall be verified by exposing a piece of white cloth to the air outlet for approximately 30 seconds. The white cloth shall be examined for evidence of contamination (oil, water, foreign matter, etc.). No evidence of contamination is acceptable.

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ATTACHMENT 2

PREPARATION OF COATING MATERIALS

Primer - The primer, Carbo Zinc 11, is packaged in a two component kit consisting of a base and a zinc filler. First the base shall be thoroughly mixed. Zinc filler shall then be added under constant agitation and mixed until free of lumps. Partial mixes shall be mixed by weight in a proportion of 10 parts base to 22 parts zinc filler using a suitable scale to achieve a plus or minus 2 percent accuracy. The mixture shall then be strained through a 30-mesh screen.

Viscosity shall be controlled by adding thinner, as required, but shall not exceed two quarts of thinner per gallon of Carbo Zinc 11.

Primer - The primer, Dimetcote 6, is packaged in a two component kit consisting of a base and zinc filler. The base shall be thoroughly mixed first. Zinc filler shall then be added under constant agitation and mixed until free of lumps. Partial mixes shall be mixed by weight in a proportion of 6.4 parts base to 15 parts zinc filler using a suitable scale to achieve a plus or minus 2 percent accuracy. The mixture shall then be strained through a 30-mesh screen. Viscosity shall be controlled by adding thinner as required up to the maximum of 2 quarts of thinner per gallon of Dimetcote 6. Primer coat shall be reddish gray.

Primer - The primer, Carboline 191, is packaged in a two component kit consisting of Carboline 191 base, Part A, and a catalyst, Part B. Mixes are made by combining and thoroughly mixing the base and catalyst. Partial mixes may be made by combining, in a ration by volume, two parts base to one part catalyst. Viscosity shall be controlled by adding thinner as required, but shall not exceed two quarts of thinner per gallon of Carboline 191.

Finish Coat - The finish coat, Phenoline 305, is packaged in a two component kit consisting of Phenoline 305 base, Part A, and a Phenoline catalyst, Part B. Mixes are made by combining and thoroughly mixing the base and catalyst. Partial mixes may be made by combining, in a ration by volume, four parts base to one part catalyst. Viscosity shall be controlled by adding thinner as required, but shall not exceed two quarts of thinner per gallon of Phenoline 305.

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ATTACHMENT 3

PAINT MIX SLIP

* Report No. _____

Bldg. _____

DATE _____ POT LIFE _____ SHIFT _____ TIME _____

MIX NUMBER _____ ELEVATION _____

MATERIAL _____ GAL. MIXED _____

SHELF LIFE ACCEPTABLE: YES _____ NO _____ M&E #'S _____

DATE & TIME MIXED _____ BASE _____

CURING AGENT _____ FILLER _____ THINNER _____

ACCEPTED BY _____

DATE _____ POT LIFE _____ SHIFT _____ TIME _____

MIX NUMBER _____ ELEVATION _____

MATERIAL _____ GAL. MIXED _____

SHELF LIFE ACCEPTABLE: YES _____ NO _____ M&E #'S _____

DATE & TIME MIXED _____ BASE _____

CURING AGENT _____ FILLER _____ THINNER _____

ACCEPTED BY _____

DATE _____ POT LIFE _____ SHIFT _____ TIME _____

MIX NUMBER _____ ELEVATION _____

MATERIAL _____ GAL. MIXED _____

SHELF LIFE ACCEPTABLE: YES _____ NO _____ M&E #'S _____

DATE & TIME MIXED _____ BASE _____

CURING AGENT _____ FILLER _____ THINNER _____

ACCEPTED BY _____

QC REVIEW & ACCEPTANCE _____ signature _____ date _____

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ATTACHMENT 4

| STEEL PROTECTIVE COATING INSPECTION TRAVELER | |
|--|--|
| WORK PKG. # _____ | PCI TRAVELER # _____ |
| ELEVATION: _____ | ITEM # / DESCRIPTION _____ |
| REF DWGS: _____ | |
| PREPARED BY: _____ | DATE _____ |
| STEP 1 | SURFACE PREPARATION INSPECTED AND FOUND ACCEPTABLE PER QI-QP11.4-26 AND RELEASED FOR PRIMER APPLICATION. INSPECTOR _____ DATE _____ COMMENTS _____ |
| STEP 2 | PRIMER APPLICATION INSPECTED AND FOUND ACCEPTABLE PER QI-QP11.4-26 AND RELEASED FOR FINISH COAT APPLICATION. INSPECTOR _____ DATE _____ COMMENTS _____ |
| STEP 3 | FINISH COAT APPLICATION INSPECTED AND FOUND ACCEPTABLE PER QI-QP11.4-26 INSPECTOR _____ DATE _____ COMMENTS _____ |
| STEP 4 | FINISH COAT INSPECTED FOR FINAL ACCEPTANCE AND FOUND ACCEPTABLE PER QI-QP11.4-26 INSPECTOR _____ DATE _____ COMMENTS _____ |
| STEP 5 | COMPLETION OF INSPECTION TRAVELER VERIFIED. QC REVIEW _____ DATE _____ COMMENTS _____ |
| NOTES | 1) DOCUMENT INSPECTION ATTRIBUTES ON ATTACHED SUPPORTING DOCUMENTATION SHEET(S) 2) DOCUMENT REPAIRS AND ATTRIBUTES, IF REQUIRED, ON ATTACHED SUPPORTING DOCUMENTATION SHEET(S) 3) FOR ENVIRONMENTAL CONDITIONS REFERENCE THE ENVIRONMENTAL LOG. |

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ATTACHMENT 4
(Cont.)

PROTECTIVE COATING INSPECTION TRAVELER SUPPORTING DOCUMENTATION

| WORK PKG. NO. | STEP | ENTRY ⇕ | APPLICATORS QUALIFIED | BATCH LOO ⇕ | MIN DFT | MAX DFT | AVG DFT | INSTR USED | LOC I D | SAT UNSAT | INSP SIGNATURE | DATE TIME | PCI TRAVELER NO. | COMMENTS |
|---------------|------|------------|--------------------------|----------------|------------|------------|------------|---------------|------------|--------------|-------------------|-----------|------------------|----------|
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ATTACHMENT 5

TOTAL NUMBER OF ALLOWABLE POINTS OF DISCONTINUITY

| <u>SURFACE AREA BEING COATED (SQ. FT.)</u> | <u>COND. "C" COMMERCIALY CONTINUOUS</u> |
|--|---|
| 10 | 5 |
| 10-50 | 10 |
| 50-100 | 20 |
| 100-500 | 30 |
| 500-1000 | 50 |
| 1000-5000 | 75 |

Gross Discontinuities - None Allowed.

| | | | | |
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ATTACHMENT 6

Report No. _____
Sheet _____ of sheet _____

ENVIRONMENTAL LOG SHEET

M&TE #'s _____ Elevation _____ Bldg. _____
Date _____ Shift _____ Unit _____

| INSPECTOR | TIME | DRY BULB | WET BULB | SURFACE TEMP. | | HUMIDITY | DEW POINT |
|-----------|------|----------|----------|---------------|----------|----------|-----------|
| | | | | STEEL | CONCRETE | | |
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QC REVIEW _____
Signature _____ Date _____

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ATTACHMENT 7

DEFINITIONS

Color and Gloss Nonuniformity: A milky haze or mist in the finish of a recently applied coating.

Contaminant: A foreign substance, inadvertently added to a coating or found on the substrate that adversely affects the application, adhesion, curing and/or subsequent performance of the applied coating.

Dry Spray: A dry powdery primer or finish coat readily removed by light sanding with either sandpaper or a wire screen. A minor amount of adherent dry spray is acceptable on the final finish coat.

Feathering: An area that is roughened and tapered to obtain a smooth and continuous surface with an existing coating.

Fisheyes: Small openings ("fisheyes") in wet film exposing old surface or previous coat.

Full Hiding: The coating provides sufficient coverage so that the preceding coat is not readily visible with an unaided eye.

Holiday: A pinhole, skip, discontinuity or void in coating film.

Major Defect: Major defects are defined as an area, either circular or linear, in which a ½" diameter circle can be completely inscribed at some point or along the entire length, and/or a damaged area which is greater than ½" in width and exceeds 4 square inches in area.

Minor Defect: Major defects are defined as an area, either circular or linear, in which a ½" diameter circle could not be completely inscribed at any point or along the entire length, and/or a damaged area which is greater than ½" in width and but not to exceed 4 square inches in area either of which may extend to substrate.

Monitor: Conformance verification by physically observing a task being performed on a periodic or random basis.

Mudcracking: Irregular cracking as in a dried mud puddle (applicable to inorganic zinc primers).

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ATTACHMENT 7 (Cont.)

DEFINITIONS

Orange Peel: Dents in the surface resembling orange skin. A moderate amount is acceptable.

Pinholes: Minor discontinuities in coating which exposes primer or substrate.

Seal Coat: Finish coat applied at approximately 1 mil DFT over primer to protect the prime coat.

Verify: Confirm or make certain.

Visual: To examine with an unaided eye (correctional eye glasses or contact lens are acceptable).

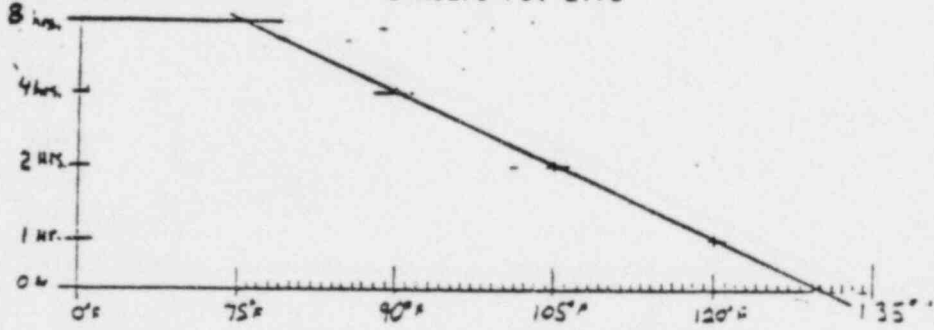
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ATTACHMENT 8

POT LIFE REFERENCE SHEET

Normal Pot Life - CZ 11

8 Hours Pot Life



Pot life stated above for unthinned coatings are the recommended times and should be utilized as a guideline for coatings usage time, however, actual pot life may be longer. For unthinned coatings or coatings thinned 50% or less, actual pot life is determined by applicability of the coating.

POT LIFE - DIMETCOTE 6

Pot life for Dimetecote 6, thinned or unthinned, shall be 24 hours regardless of temperatures.

POT LIFE PHENOLINE 305 & CARBOLINE 191

| TEMPERATURE (°F) | UNTHINNED | THINNED 50% |
|------------------|-----------|-------------|
| 50-54 | 10 hrs. | 24 hrs. |
| 55-59 | 7 hrs. | 24 hrs. |
| 60-64 | 4½ hrs. | 24 hrs. |
| 65-69 | 3½ hrs. | 24 hrs. |
| 70-74 | 2 hrs. | 24 hrs. |
| 75-79 | 1½ hrs. | 24 hrs. |
| 80-84 | 1½ hrs. | 24 hrs. |
| 85-89 | 1½ hrs. | 24 hrs. |
| 90-95 | 1 hrs. | 24 hrs. |

Pot life stated above for unthinned coatings are the recommended times and should be utilized as a guideline for coating usage time, however, actual pot life may be longer. For unthinned coatings or coatings thinned 50% or less, actual pot life is determined by the applicability of the coating.

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ATTACHMENT 9

| STEEL PROTECTIVE COATING INSPECTION REPAIR TRAVELER | |
|---|---|
| WORK PKG. # _____ | SUPPLEMENTAL TO FCI TRAVELER # _____ |
| ELEVATION: _____ | ITEM # / DESCRIPTION _____ |
| REF. DWGS. _____ | |
| PREPARED BY: _____ | DATE _____ SHT. _____ OF _____ |
| STEP 1 | SURFACE PREPARATION INSPECTED AND FOUND ACCEPTABLE PER QI-CP11.4-26 AND RELEASED FOR PRIMER APPLICATION. INSPECTOR _____ DATE _____ COMMENTS _____ |
| STEP 2 | PRIMER APPLICATION INSPECTED AND FOUND ACCEPTABLE PER QI-CP11.4-26 AND RELEASED FOR FINISH COAT APPLICATION. INSPECTOR _____ DATE _____ COMMENTS _____ |
| STEP 3 | FINISH COAT APPLICATION INSPECTED AND FOUND ACCEPTABLE PER QI-CP11.4-26 INSPECTOR _____ DATE _____ COMMENTS _____ |
| STEP 4 | FINISH COAT INSPECTED FOR FINAL ACCEPTANCE AND FOUND ACCEPTABLE PER QI-CP11.4-26 INSPECTOR _____ DATE _____ COMMENTS _____ |
| STEP 5 | COMPLETION OF INSPECTION TRAVELER VERIFIED. QC REVIEW _____ DATE _____ COMMENTS _____ |
| NOTES | 1) DOCUMENT INSPECTION ATTRIBUTES ON ATTACHED SUPPORTING DOCUMENTATION SHEET(S) 2) DOCUMENT REPAIRS AND ATTRIBUTES, IF REQUIRED, ON ATTACHED SUPPORTING DOCUMENTATION SHEET(S) 3) FOR ENVIRONMENTAL CONDITIONS REFERENCE THE ENVIRONMENTAL LOG. |

TEXAS UTILITIES GENERATING CO.
CPSES

PROCEDURE NUMBER

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ISSUE DATE

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ATTACHMENT 9
(Continued)

PROTECTIVE COATING INSPECTION REPAIR TRAVELER SUPPORTING DOCUMENTATION

| WORK PKG. NO. | ENTRY STEP # | APPLICATORS QUALIFIED | BATCH LOG # | MIN DFT | | MAX DFT | | AVG DFT | | LOC USED I D | BAT UNISAT | PCI TRAVELER NO. | INSR SIGNATURE | DATE TIME | SHEET OF COMMENTS | |
|---------------|--------------|-----------------------|-------------|---------|--|---------|--|---------|--|--------------|------------|------------------|----------------|-----------|-------------------|--|
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TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 44

- a) Provide procedure and records for training of inspectors for performing the nickel test. Include details and dates of demonstrations by the manufacturer's representative.

Response:

- a) Training for such things as the nickel test is part of the routine process leading to certification of QC Inspectors in functions requiring the use of such a test. The nickel test is noted in the procedure for inspection of steel substrate, QI-QP-11.4-26, QI-QP-11.4-1 and QI-QP-11.4-5, attached. Training is provided during on-the-job training; records are attached. Exact dates of demonstrations by the manufacturer's representative are not presently known.

August 10, 1984

ACTIVE INSPECTORS CERTIFIED TO QI-QP-11.4-1/11.4-5 OR QI-QP-11.4-26

David Ambrose-QI-QP-11.4-1/11.4-5
Joe M. Austin-QI-QP-11.4-26
Lee A. Chandler-QI-QP-11.4-26
Gary S. Corrigan-QI-QP-11.4-1/11.4-5
Eric Curry-QI-QP-11.4-26
Cindy Dittmar-QI-QP-11.4-1/11.4-5
Michelle Dubay-QI-QP-11.4-1/11.4-5
Cliff Eichelberger-QI-QP-11.4-26
Jim Emerson-QI-QP-11.4-1/11.4-5
David Ethridge-QI-QP-11.4-1/11.4-5
David Finn-QI-QP-11.4-1/11.4-5
T.H. Finn-QI-QP-11.4-1/11.4-5
Michael Fraley-QI-QP-11.4-1/11.4-5
Gene Johnson-QI-QP-11.4-1/11.4-5
Marian Kiernan-QI-QP-11.4-26
Larry Lamb-QI-QP-11.4-1/11.4-5
Ronnie P. Luranoff-QI-QP-11.4-1/11.4-5
Paul Leyendecker-QI-QP-11.4-26
Jim Mickel-QI-QP-11.4-1/11.4-5
Tom Miller-QI-QP-11.4-1/11.4-5
Jorge Paniski-QI-QP-11.4-1/11.4-5
Curtis Patterson-QI-QP-11.4-1/11.4-5
Oralia Pena-QI-QP-11.4-1/11.4-5
John Perlaki-QI-QP-11.4-1/11.4-5
Juan Ponce-QI-QP-11.4-1/11.4-5
Loren Scott-QI-QP-11.4-1/11.4-5
Thomas Self-QI-QP-11.4-1/11.4-5
Monte Stephens-QI-QP-11.4-26
Frank Stonger-QI-QP-11.4-26
Michael Stonitsch-QI-QP-11.4-1/11.4-5
James K. Uehlein-QI-QP-11.4-1/11.4-5
Joy Underwood-QI-QP-11.4-1/11.4-5
Michael Vail-QI-QP-11.4-26
Terry Webb-QI-QP-11.4-26
J.M. Wren-QI-QP-11.4-26
Gary Yando-QI-QP-11.4-1/11.4-5

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

QI-QP-11.4-1, 11.4-5)

NAME DAVID AMBROSE

DATE COMMENCED: 2-16-83

- A. Completed Steps 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 20, 21 & 22 of the Protective Coating General Technical Outline.

Robert L. Starnes 2/16/83
Lead Inspector/Date

- B. Perform a minimum of 40 hours "On the Job" Training in this activity.

Harry O. Williams 3/29/83
Coating QC Supervisor/Date

- C. Demonstrate proficiency in performing inspection.

Harry O. Williams 3/29/83
Coating QC Supervisor/Date

- D. Demonstrate proficiency in completing the inspection checklist(s).

Robert L. Starnes 2/16/83
Lead Inspector/Date

- E. Attend Formal Training session for this activity.

Neill Britton 2-16-83
Instructor/Date

- F. Examination completed.

SCORE: 94

Harry O. Williams 3/29/83
Coating QC Supervisor/Date

COMMENTS: None

TRAINING COMPLETED:

Harry O. Williams 3/29/83
Coating QC Supervisor/Date

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING
STEEL COATING INSPECTORS
(QI-QP-11.4-26)

NAME Joe M Austin

DATE COMMENCED: 1-3-84

- A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 14, 16, 17, 18, 20, 21, 22 AND 23 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Fred Dunham 1/26/84
LEAD INSPECTOR DATE

- B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W Kusher 1/30/84
COATING QC SUPERVISOR DATE

- C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W Kusher 1/30/84
COATING QC SUPERVISOR DATE

- D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Will Britton 1-30-84
LEAD INSPECTOR DATE

- E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Fred Dunham 1/26/84
INSTRUCTOR DATE

- F. EXAMINATION COMPLETED.
SCORE: 96%

W Kusher 1/30/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W Kusher 1/30/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-26)

NAME Lee A. Chandler

DATE COMMENCED: 7-13-84

- A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, ~~13~~, 14, 16, 17, 18, 20, 21, 22 AND 23 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Paul A. Pender 7-13-84
LEAD INSPECTOR DATE

- B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Krisher 7/13/84
COATING QC SUPERVISOR DATE

- C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Krisher 7/13/84
COATING QC SUPERVISOR DATE

- D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Paul A. Pender 7-13-84
LEAD INSPECTOR DATE

- E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Will Both 7-13-84
INSTRUCTOR DATE

- F. EXAMINATION COMPLETED.
SCORE: 87.5%

W. Krisher 7/13/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED:

W. Krisher
COATING QC SUPERVISOR

7/13/84
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME: GARY S. CORRIGAN DATE COMMENCED: 7-20-83

A. COMPLETED STEPS A, D, E, F, G, H ^{SEE BELOW}
~~J, K, M, P, Q, S, T, U, & V OF THE~~ ^{F. Dunbar}
PROTECTIVE COATING GENERAL ⁸⁻³⁻⁸³
TECHNICAL OUTLINE.

1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17,
20, 21, & 22. Fred Dunbar 7-27-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY. W. C. Randall 8/3/83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION. W. C. Randall 8/3/83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S). Fred Dunbar 8-2-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY. Fred Dunbar 7-28-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED. SCORE: 96% Gary Williams 8/3/83
COATING QC SUPERVISOR DATE

COMMENTS: O.T. (ON JOB TRAINING) REDUCED TO 20 HRS DUE TO TEST SCORE EXCEEDING 90% AND EXPERIENCE

TRAINING COMPLETED: W. C. Randall 8/3/83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-26)

NAME ERIC CURRY

DATE COMMENCED: 7-19-84

- A. COMPLETED STEPS ^{924 7-16-84} 1, 4, 5, 6, 7, 8, 10, 11, 13, 14, 16, 17, 18, 20, 21, 22 AND 23 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

[Signature] 7-19-84
LEAD INSPECTOR DATE

- B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

[Signature] 7/19/84
COATING QC SUPERVISOR DATE

- C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

[Signature] 7/19/84
COATING QC SUPERVISOR DATE

- D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

[Signature] 7-19-84
LEAD INSPECTOR DATE

- E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

[Signature] 7-19-84
INSTRUCTOR DATE

- F. EXAMINATION COMPLETED.
SCORE: 86.5%

[Signature] 7/19/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: [Signature] 7/19/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME CYNTHIA K DITMAR DATE COMMENCED: 9/6/83

A. COMPLETED STEPS A, D, E, F, G, H, J, K, M, P, Q, S, T, U, & V OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

[Signature]
x LEAD INSPECTOR DATE 10-18-83

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

[Signature]
COATING QC SUPERVISOR DATE 10/18/83

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

[Signature]
COATING QC SUPERVISOR DATE 10/18/83

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

[Signature]
x LEAD INSPECTOR DATE 10-18-83

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

[Signature]
INSTRUCTOR DATE 10/18/83

F. EXAMINATION COMPLETED.
SCORE: 92%

[Signature]
COATING QC SUPERVISOR DATE 10/18/83

COMMENTS: 122 HR OJT ON STEEL INSP.

TRAINING COMPLETED: [Signature]
COATING QC SUPERVISOR DATE 10/19/83

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTION

(QI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME: MICHAEL DUBAY

DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Fred Dunham 12-12-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Roberts 12/29/83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Roberts 12-29-83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Fred Dunham 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Fred Dunham 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 9/96

W. Roberts 12-29-83
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Roberts 12-29-83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-26)

NAME CLIFF E. CHELBERGER

DATE COMMENCED: 6-25-84

- A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 14, 16, 17, 18, 20, 21, 22 AND 23 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Thomas H. Himm 6-8-84
LEAD INSPECTOR DATE

- B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Kueber 6/8/84
COATING QC SUPERVISOR DATE

- C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Kueber 6/8/84
COATING QC SUPERVISOR DATE

- D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Thomas H. Himm 6-8-84
LEAD INSPECTOR DATE

- E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

W. Kueber 6-8-84
INSTRUCTOR DATE

- F. EXAMINATION COMPLETED.
SCORE: 93.5%

W. Kueber 6/8/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Kueber 6/8/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTION

(QI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-11, 11.4-20, 11.4-22)

NAME JIM EMERSON

DATE COMMENCED: 12-20-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neil Britton 12-27-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Wolbert 12/28/83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Wolbert 12/28/83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neil Britton 12-27-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neil Britton 12-27-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 100%

Wolbert 12-28-83
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED:

Wolbert
COATING QC SUPERVISOR

12/28/83
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTION

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME DAVID ETHRIDGE

DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neil Britton 12-12-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. D. L. [Signature] 12-12-83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. D. L. [Signature] 12-12-83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neil Britton 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neil Britton 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED. SCORE: 97.5%

W. D. L. [Signature] 12-12-83
COATING QC SUPERVISOR DATE

COMMENTS: _____
_____ N/A _____

TRAINING COMPLETED: W. D. L. [Signature] 12-12-83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-11, 11.4-20, 11.4-22)

NAME DAVID FINN

DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Fred Dunham 12-12-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Roberts 12/27/83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Roberts 12/27/83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Fred Dunham 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Fred Dunham 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 91.5%

W. Roberts 12/27/83
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED:

W. Roberts
COATING QC SUPERVISOR

12/27/83
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME T.H. FINN

DATE COMMENCED: 3/4/82

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Naill Britton 3/4/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

WALTER FOR MENT
W. S. Holt 3/5/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

W. S. Holt 3/5/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Naill Britton 3/4/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

W. S. Holt 3/5/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 90

W. S. Holt 3/5/82
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: _____
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME MICHAEL FRALEY

DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neil Britton 12-12-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Neil Britton 12-12-83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Neil Britton 12-12-83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neil Britton 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neil Britton 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 94%

Neil Britton 12-12-83
COATING QC SUPERVISOR DATE

COMMENTS: n/a

TRAINING COMPLETED: Neil Britton 12-12-83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME: GENE JOHNSON

DATE COMMENCED: 9/1/83

A. COMPLETED STEPS A, D, E, F, G, H, J, K, M, P, Q, S, T, U, & V OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

[Signature] 10-18-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

[Signature] 10/18/83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

[Signature] 10/18/83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

[Signature] 10-18-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

[Signature] 10/18/83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 80.5

[Signature] 10/18/83
COATING QC SUPERVISOR DATE

COMMENTS: JOB OUT FOR STEEL CERT.

TRAINING COMPLETED:

[Signature] 10/19/83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING
STEEL COATING INSPECTORS
(QI-QP-11.4-26)

NAME Marian Kiernan DATE COMMENCED: 7-11-84

A. COMPLETED STEPS 1, 4, 5, 6,
7, 8, 10, 11, ~~13~~, 14, 16, 17, 18,
20, 21, 22 AND 23 OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

P. A. Funderburk 7-13-84
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

W. Kiernan 7/13/84
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

W. Kiernan 7/13/84
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

P. A. Funderburk 7-15-84
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

Neil Butler 7-13-84
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: ~~87.5%~~ 87.0%
WK 7/13/84

W. Kiernan 7/13/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Kiernan 7/13/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QT-CP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-11, 11.4-20, 11.4-22)

NAME: LARRY LAMB DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neill Britton 12-13-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Wolbert 12-13-83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Wolbert 12-13-83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britton 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neill Britton 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 92%

W. Wolbert 12-13-83
COATING QC SUPERVISOR DATE

COMMENTS: n/a

TRAINING COMPLETED: W. Wolbert 12-13-83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTION

(QI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME R. LAURANOFF

DATE COMMENCED: 1-2-84

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neill Britton 1-2-84
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. W. W. W. 1/3/84
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. W. W. W. 1/3/84
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britton 1-3-84
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neill Britton 1-2-84
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 99%

W. W. W. W. 1/3/84 ^{100% 1-3-84}
COATING QC SUPERVISOR DATE

COMMENTS:

_____ N/A

TRAINING COMPLETED:

W. W. W. W.
COATING QC SUPERVISOR

1/3/84
DATE

F

QUALITY CONTROL TECHNICAL TRAINING OUTLINE
QC PROTECTIVE COATING
STEEL COATING INSPECTORS
(QI-QP-11.4-26)

NAME PAUL A. LEYENDECKER DATE COMMENCED: 1-25-84

A. COMPLETED STEPS 1, 4, 5, 6,
7, 8, 10, 11, 13, 14, 16, 17, 18,
20, 21, 22 AND 23 OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Neill Britton 1-25-84
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

W. Kusler 1/26/84
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

W. Kusler 1/26/84
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Neill Britton 1-25-84
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

Neill Britton 1-25-84
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 92%

W. Kusler 1/26/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Kusler 1/26/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(OI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME J. MICKEL

DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neil Britton 12-12-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Weber 12-12-83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Weber 12-12-83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neil Britton 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neil Britton 12-12-83
W. Weber 12-12-83
INSTRUCTOR DATE
40 12-12-83

F. EXAMINATION COMPLETED.
SCORE: 89.5%

W. Weber 12-12-83
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Weber 12-12-83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME TOM MILLER

DATE COMMENCED: 8/2/82

A. COMPLETED STEPS A, D, E, F, G, H, J, K, M, P, Q, S, T, U, & V OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Paul L. Wallace 8/12/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Nail Britton 8/12/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Nail Britton 8/12/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Paul L. Wallace 8/12/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Paul L. Wallace 8/12/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 96%

Samuel Williams 8/12/82
COATING QC SUPERVISOR DATE

COMMENTS: NONE

TRAINING COMPLETED: Samuel Williams 8/12/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTION

(QI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-11, 11.4-20, 11.4-22)

NAME: JORGE PAWLOSKI

DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neil Britton 12-12-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

[Signature] 12-13-83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

[Signature] 12-13-83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neil Britton 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neil Britton 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 89%

[Signature] 12-13-83
COATING QC SUPERVISOR DATE

COMMENTS: n/a

TRAINING COMPLETED:

[Signature]
COATING QC SUPERVISOR

12-13-83
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTION

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME CURTIS PATTERSON DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neill Britton 12-12-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

M. L. Lester 12-15-83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

M. L. Lester 12-15-83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britton 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neill Britton 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 99%

M. L. Lester 12-15-83
COATING QC SUPERVISOR DATE

COMMENTS: N/A

TRAINING COMPLETED: M. L. Lester 12-15-83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME ORALIA PEÑA

DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neil Butts 12-13-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Neil Butts 12-13-83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Neil Butts 12-13-83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neil Butts 12-13-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neil Butts 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 90%

Neil Butts 12-13-83
COATING QC SUPERVISOR DATE

COMMENTS: N/A

TRAINING COMPLETED: Neil Butts 12-13-83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTION

(QI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-11, 11.4-20, 11.4-22)

NAME J. PERLAKI

DATE COMMENCED: 1-2-84

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neill Britto 1-2-84
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Roberts 1/3/84
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Roberts 1/6/84
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britto 1-6-84
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neill Britto 1-2-84
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 95%

W. Roberts 1/3/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: _____

W. Roberts
COATING QC SUPERVISOR

1/6/84
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTION

(QI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME: JUAN POOLE

DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neill Britton 12-13-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Neill Britton 12-13-83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Neill Britton 12-13-83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britton 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neill Britton 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 91.5%

Neill Britton 12-13-83
COATING QC SUPERVISOR DATE

COMMENTS: N/A

TRAINING COMPLETED: Neill Britton 12-13-83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME LOREN SCOTT

DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Fred Dunham 12-12-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. L. ... 12/27/83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. L. ... 12/27/83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Fred Dunham 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Fred Dunham 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 97.5 %

W. L. ... 12/27/83
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED:

W. L. ...
COATING QC SUPERVISOR

12/27/83
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTION

(QI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-11, 11.4-20, 11.4-22)

NAME: THOMAS SELF

DATE COMMENCED: 12-12-83

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Fred Dunham 12-12-83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Schmitt 12/27/83
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Schmitt 12/27/83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Fred Dunham 12-12-83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Fred Dunham 12-12-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 96.5%

W. Schmitt 12/27/83
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Schmitt 12/27/83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING
STEEL COATING INSPECTORS
(QI-QP-11.4-26)

NAME Monte Stephens

DATE COMMENCED: 6-5-84

- A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 14, 16, 17, 18, 20, 21, 22 AND 23 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Thomas H. Timm 6-8-84
LEAD INSPECTOR DATE

- B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Kresher 6/8/84
COATING QC SUPERVISOR DATE

- C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Kresher 6/8/84
COATING QC SUPERVISOR DATE

- D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Thomas H. Timm 6-8-84
LEAD INSPECTOR DATE

- E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

W. Kresher 6-8-84
INSTRUCTOR DATE

- F. EXAMINATION COMPLETED.
SCORE: 91%

W. Kresher 6/8/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: _____

COATING QC SUPERVISOR

W. Kresher 6/8/84
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING
STEEL COATING INSPECTORS
(QI-QP-11.4-26)

NAME D FRANK STONGER DATE COMMENCED: 1/3/84

- A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 14, 16, 17, 18, 20, 21, 22 AND 23 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Fred Dunham 1/26/84
LEAD INSPECTOR DATE

- B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Kisher 1/30/84
COATING QC SUPERVISOR DATE

- C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Kisher 1/30/84
COATING QC SUPERVISOR DATE

- D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britts 1-30-84
LEAD INSPECTOR DATE

- E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Fred Dunham 1/25/84
INSTRUCTOR DATE

- F. EXAMINATION COMPLETED.
SCORE: 92%

W. Kisher 1/30/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Kisher 1/30/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTIONS

(01-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-11, 11.4-20, 11.4-22)

NAME: MICHAEL STOUITSCH DATE COMMENCED: 1-2-84

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neill Britton 1-2-84
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Roberts 1/2/84
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Roberts 1/2/84
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britton 1-2-84
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neill Britton 12-30-83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 94%

W. Roberts 1/2/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Roberts 1/2/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME James K. Uehlein

DATE COMMENCED: 7-8-83

A. COMPLETED STEPS A, D, E, F, G, H, J, K, M, P, Q, S, T, U, & V OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Wm. A. Dunham 8.3.83
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Sam O. Williams 8/5/83
COATING QC SUPERVISOR DATE
See memo

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Sam O. Williams 8/5/83
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Wm. A. Dunham 8.3.83
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Wm. A. Dunham 8.3.83
INSTRUCTOR DATE

F. EXAMINATION COMPLETED. SCORE: 96%

Sam O. Williams 8/5/83
COATING QC SUPERVISOR DATE

COMMENTS: None

TRAINING COMPLETED: Sam O. Williams 8/5/83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME Joy Underwood

DATE COMMENCED: 12-8-82

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Robert L. Wallace 12/29/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAINING
IN THIS ACTIVITY.

Naill Britton 12/29/82
COATING QC SUPERVISOR DATE
(SEE WAIVER MEMO)

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

Naill Britton 12/29/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Robert L. Wallace 12/29/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

Naill Britton 12/29/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 92%

David C. Williams 1/6/83
COATING QC SUPERVISOR DATE

COMMENTS: None

TRAINING COMPLETED: David C. Williams 1/6/83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-26)

NAME Michael L. Vail

DATE COMMENCED: July 18, 1984

A. COMPLETED STEPS ^{99% 7-18-84} 1, 4, 5, 6, 7, 8, 10, 11, 12, 14, 16, 17, 18, 20, 21, 22 AND 23 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Charles H. Tim 7-19-84
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Kueber 7/19/84
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Kueber 7/19/84
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Charles H. Tim 7-19-84
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Will Butts 7-19-84
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 92%

W. Kueber 7/19/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Kueber 7/19/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-26)

NAME Terry M. Will E-11C

DATE COMMENCED: 7-7-84

A. COMPLETED STEPS ^{9/24 7-16-84} 1, 4, 5, 6, 7, 8, 10, 11, ~~13~~ 14, 16, 17, 18, 20, 21, 22 AND 23 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Charles H. Tim ^{7/20-84} 7-20-84
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Kueber 7/20/84
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Kueber 7/20/84
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Charles H. Tim 7-20-84
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neil Britton 7-19-84
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 87%

W. Kueber 7/20/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Kueber 7/20/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-26)

NAME JIM E WREN

DATE COMMENCED: 1-25-84

- A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 14, 16, 17, 18, 20, 21, 22 AND 23 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neill Britton 1-25-84
LEAD INSPECTOR DATE

- B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Lumber 1/26/84
COATING QC SUPERVISOR DATE

- C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Lumber 1/26/84
COATING QC SUPERVISOR DATE

- D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britton 1-26-84
LEAD INSPECTOR DATE

- E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neill Britton 1-25-84
INSTRUCTOR DATE

- F. EXAMINATION COMPLETED.
SCORE: 98%

W. Lumber 1/26/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Lumber
COATING QC SUPERVISOR

1/26/84
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME GARY J. VANDO

DATE COMMENCED: 3-31-82

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Robert Wallace 5/4/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

Naill Britton 4/23/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

Naill Britton 4/23/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Robert Wallace 5/4/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

M. G. R. 5/4/82
Robert Wallace 5/4/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 98%

M. G. R. 5/4/82
COATING QC SUPERVISOR DATE

COMMENTS: None

TRAINING COMPLETED: James O. Williams
COATING QC SUPERVISOR

5/8/82
DATE

August 10, 1984

INACTIVE INSPECTORS CERTIFIED TO QI-QP-11.4-1/11.4-5

Lanette Adams
Cory Allen
Jerry Artrip
William S. Avery
Sheila Brown
Robert Danielson
Donald Davis
Mark Dendy
Joe Deschambeau
Gary T. Dugger
William Dunham
Walter T. Elliott
Joseph Fazi
Leon Gleason
Joe Krolak
Margret Lucke
David Miller
Eddie Niedecken
Gregory Sauer
Sherman Shelton
Steve Valdez
Robert Wallace

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

QI-QP-11.4-1, 11.4-5)

NAME LANETTE ADAMS

DATE COMMENCED: 2-7-83

- A. Completed Steps 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 20, 21 & 22 of the Protective Coating General Technical Outline.

Robert Starnes 2/7/83
Lead Inspector/Date

- B. Perform a minimum of 40 hours "On the Job" Training in this activity.

SEE MEMO

Sam O. Williams 2/10/83
Coating QC Supervisor/Date

- C. Demonstrate proficiency in performing inspection.

Sam O. Williams 2/10/83
Coating QC Supervisor/Date

- D. Demonstrate proficiency in completing the inspection checklist(s).

Robert Starnes 2/7/83
Lead Inspector/Date

- E. Attend Formal Training session for this activity.

Neill Britton 2-7-83
Instructor/Date

- F. Examination completed.

SCORE: 95%

Sam O. Williams 2/7/83
Coating QC Supervisor/Date

COMMENTS: None

TRAINING COMPLETED:

Sam O. Williams 2/10/83
Coating QC Supervisor/Date

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

QI-QP-11.4-1, 11.4-5)

NAME CORY ALLEN

DATE COMMENCED: 2-18-83

- A. Completed Steps 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 20, 21 & 22 of the Protective Coating General Technical Outline.

Robert L. Moore 2/21/83
Lead Inspector/Date

- B. Perform a minimum of 40 hours "On the Job" Training in this activity.

SEE MEMO

Harry O. Williams 2/21/83
Coating QC Supervisor/Date

- C. Demonstrate proficiency in performing inspection.

Harry O. Williams 2/21/83
Coating QC Supervisor/Date

- D. Demonstrate proficiency in completing the inspection checklist(s).

Robert L. Moore 2/21/83
Lead Inspector/Date

- E. Attend Formal Training session for this activity.

Neill Britton 2-18-83
Instructor/Date

- F. Examination completed.

SCORE: 95%

Harry O. Williams 2/21/83
Coating QC Supervisor/Date

COMMENTS: None

TRAINING COMPLETED:

Harry O. Williams 2/21/83
Coating QC Supervisor/Date

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME JERRY ARTRIP

DATE COMMENCED: 9/20/82

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Robert L. Williams 9/30/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

Naill Button 9/30/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

Naill Button 9/30/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Robert L. Williams 9/30/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

Robert L. Williams 9/30/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 86%

Sam O. Williams 10/1/82
COATING QC SUPERVISOR DATE

COMMENTS: None

TRAINING COMPLETED: Sam O. Williams 10/1/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME William S. Avery DATE COMMENCED: 2-17-82

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Ross Hamilton 2-24-82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

W. Williams 2/25/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

W. Williams 2/25/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Ross Hamilton 2-24-82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

W. Williams 3/5/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 95%

W. Williams 3/5/82
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Williams 3/5/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME SHEUA BROWN DATE COMMENCED: 3/23/82

A. COMPLETED STEPS A, D, E, F, G, H, J, K, M, P, Q, S, T, U, & V OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Robert Hagan 4/8/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Naill Britton 4/8/82
COATING QC SUPERVISOR DATE
(SEE MEMO)

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Naill Britton 4/8/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Robert Hagan 4/8/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 83%

Harry C. Williams 4/5/82
COATING QC SUPERVISOR DATE

COMMENTS: None

TRAINING COMPLETED: Harry C. Williams 4/5/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QF-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME ROBERT DANIELSON DATE COMMENCED: 8/9/82

A. COMPLETED STEPS A, D, E, F, G, H, J, K, M, P, Q, S, T, U, & V OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Nail Britton 8/19/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Nail Britton 8/19/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Nail Britton 8/19/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Nail Britton 8/19/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

David Williams 8/19/82
INSTRUCTOR DATE

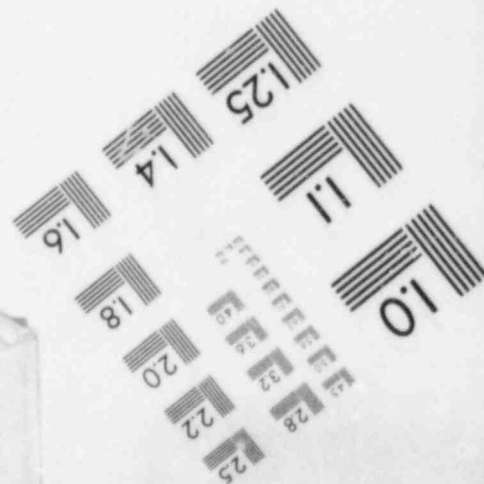
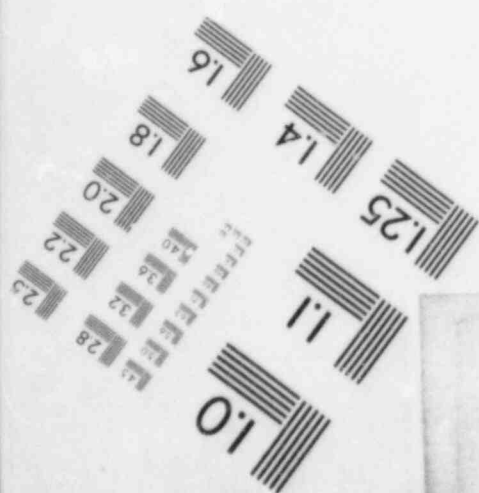
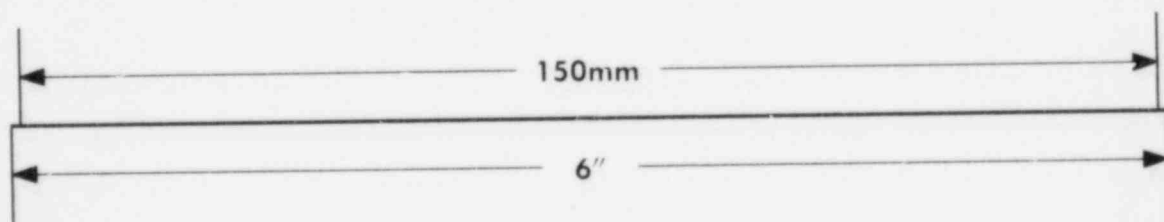
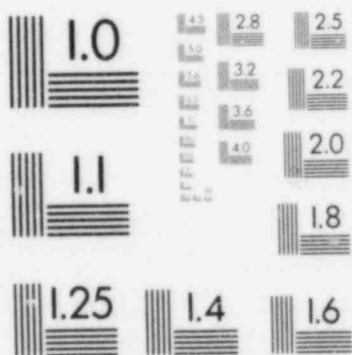
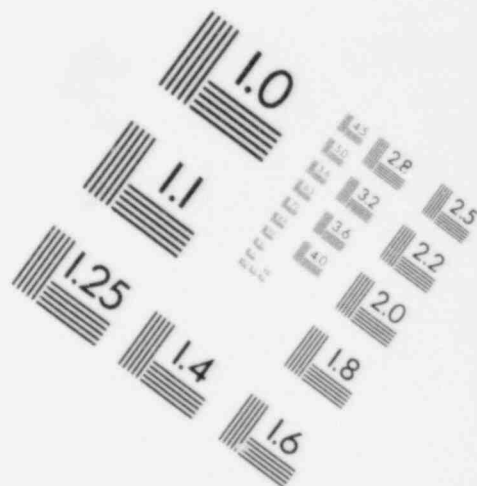
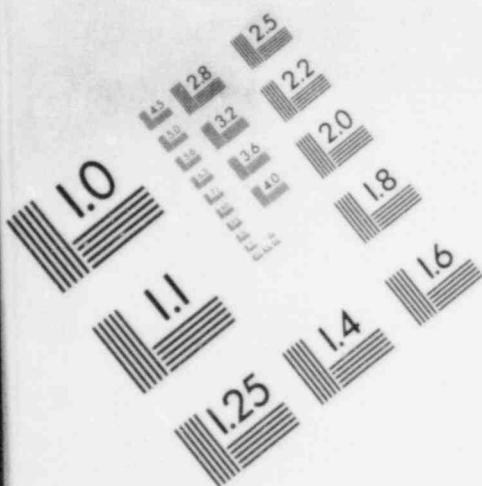
F. EXAMINATION COMPLETED.
SCORE: 98%

David Williams 8/19/82
COATING QC SUPERVISOR DATE

COMMENTS: NONE

TRAINING COMPLETED: David Williams 8/19/82
COATING QC SUPERVISOR DATE

IMAGE EVALUATION
TEST TARGET (MT-3)



QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME DONALD DAVIS

DATE COMMENCED: 8/19/82

A. COMPLETED STEPS A, D, E, F, G, H, J, K, M, P, Q, S, T, U, & V OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neill Britton 8/19/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Neill Britton 8/19/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Neill Britton 8/19/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britton 8/19/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Sam P. Williams 8/19/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 95%

Sam P. Williams 8/19/82
COATING QC SUPERVISOR DATE

COMMENTS: None

TRAINING COMPLETED: Sam P. Williams
COATING QC SUPERVISOR

8/19/82
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME MARK DENDY DATE COMMENCED: _____

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Robert Maclean 4/8/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

Naill Britton 4/8/82
COATING QC SUPERVISOR DATE
(SEE MEMO)

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

Naill Britton 4/8/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Robert Maclean 4/8/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

Robert Maclean 4/8/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 93%

Harold O. Williams 4/13/82
COATING QC SUPERVISOR DATE

COMMENTS: None

TRAINING COMPLETED: Harold O. Williams 4/13/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME JOE DE CHAMBEAU

DATE COMMENCED: 9/20/82

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Robert L. Latham 9/30/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

Neill Button 9/30/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

Neill Button 9/30/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Robert L. Latham 9/30/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

Robert L. Latham 9/30/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 82%

Henry O. Williams 10/1/82
COATING QC SUPERVISOR DATE

COMMENTS: NONE

TRAINING COMPLETED: Henry O. Williams 10/1/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

QI-QP-11.4-1, 11.4-5)

NAME GARY T. DUGGER

DATE COMMENCED: 6-6-83

- A. Completed Steps 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 20, 21 & 22 of the Protective Coating General Technical Outline.

Fred Dunham 6-21-83
Lead Inspector/Date

- B. Perform a minimum of 40 hours "On the Job" Training in this activity.

*SEE COMMENTS Wain C. Randall
Coating QC Supervisor/Date 6/29/83

- C. Demonstrate proficiency in performing inspection.

Wain C. Randall / 6/29/83
Coating QC Supervisor/Date

- D. Demonstrate proficiency in completing the inspection checklist(s).

Fred Dunham 6-26-83
Lead Inspector/Date

- E. Attend Formal Training session for this activity.

Fred Dunham 6-21-83
Instructor/Date

- F. Examination completed.

SCORE: 97%

Wain C. Randall / 6/29/83
Coating QC Supervisor/Date

COMMENTS: *O.J.T. REDUCED TO 20 HRS DUE TO EXAMINATION SCORE EXCEEDING 90% AND PREVIOUS EXPERIENCE 6/29/83

TRAINING COMPLETED: 6/29/83

Wain C. Randall 6/29/83
Coating QC Supervisor/Date

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTOR

(QI-QP-J1.4-1 THROUGH 11.4-9 AND 11.4-17)

NAME William Dunham DATE COMMENCED: 11-22-81

A. COMPLETED STEPS G, H, I AND K OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Robert Hamilton 12-1-81
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON-THE-JOB" TRAINING IN THIS ACTIVITY.

Cheryl Williams 12/1/81
DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Cheryl Williams 12/1/81
DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Robert Hamilton 12-1-81
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Richard C. Cummings 12-3-81
Robert Hamilton 12-1-81
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.

SCORE: 96

Cheryl Williams 12/23/81
DATE

COMMENTS: GAVE MR DUNHAM ADDITIONAL (30) THIRTY HOURS OF O.S.T. W PROCEDURES AND FIELD INSPECTION - FILLING OUT IRIS

TRAINING COMPLETED: Cheryl Williams 12/23/81
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME WALTER T ELLIOTT

DATE COMMENCED: 3/19/82

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Naill Britton 3/19/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

Naill Britton 3/19/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

Naill Britton 3/19/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Naill Britton 3/19/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

Naill Britton 3/19/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 91

Naill Britton 3/19/82
COATING QC SUPERVISOR DATE

COMMENTS: None

TRAINING COMPLETED: James Williams 3/19/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME Joseph Fazi DATE COMMENCED: 2-24-82

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Robert Hamilton 2-24-82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.
SEE ATTACHED MEMO

Harold Williams 2/25/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

Harold Williams 2/25/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Robert Hamilton 2-24-82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

M. E. Holtz 3/5/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 90

M. E. Holtz 3/5/82
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: M. E. Holtz 3/5/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME LEON GLEASON DATE COMMENCED: 4/13/82

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Robert Hallen 5/4/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

Neil Button 5/4/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

Neil Button 4/23/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Robert Hallen 5/4/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

W. E. H. H. 5/4/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 838

W. E. H. H. 5/4/82
COATING QC SUPERVISOR DATE

COMMENTS: None

TRAINING COMPLETED: Harry C. Williams 5/4/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME JOE KRZIAK

DATE COMMENCED: 2-22-82

A. COMPLETED STEPS A, D, E, F, G, H, J, K, M, P, Q, S, T, U, & V OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Robert Hamilton 2/24/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.
SEE ATTACHED MEMO

David Williams 2/24/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

David Williams 2/24/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Robert Hamilton 3/5/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

W. E. Holt 3/5/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 100

W. E. Holt 3/5/82
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. E. Holt 3/5/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

QI-QP-11.4-1, 11.4-5)

NAME MARGRET NUCKE

DATE COMMENCED: 4-26-83

- A. Completed Steps 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 20, 21 & 22 of the Protective Coating General Technical Outline.

Sam O. Williams 5/3/83
Lead Inspector/Date

- B. Perform a minimum of 40 hours "On the Job" Training in this activity.

Sam O. Williams 5/3/83
Coating QC Supervisor/Date

- C. Demonstrate proficiency in performing inspection.

Sam O. Williams 5/3/83
Coating QC Supervisor/Date

- D. Demonstrate proficiency in completing the inspection checklist(s).

Sam O. Williams 5/3/83
Lead Inspector/Date

- E. Attend Formal Training session for this activity.

Neill Britton 4-26-83
Instructor/Date

- F. Examination completed.

SCORE: 89

Sam O. Williams 4/26/83
Coating QC Supervisor/Date

COMMENTS: None

TRAINING COMPLETED:

Sam O. Williams 5/3/83
Coating QC Supervisor/Date

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-OP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-11, 11.4-20, 11.4-22)

NAME DAVID MILLER

DATE COMMENCED: 1-2-84

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neil Britton 1-2-84
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Neil Britton 1/5/84
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Neil Britton 1/5/84
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neil Britton 1-5-84
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neil Britton 1-2-84
INSTRUCTOR DATE

F. EXAMINATION COMPLETED. SCORE: 95%

Neil Britton 1/6/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: _____

Neil Britton 1/6/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

IN-PROCESS MISCELLANEOUS STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-17, 11.4-22)

NAME EDDIE NIEDECKEN

DATE COMMENCED: 11-9-83

- A. COMPLETED STEPS 5, 6, 10, AND 13 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE. Neil Britton 11-9-83
LEAD INSPECTOR DATE
- B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY. McGowan 11-9-83
COATING QC SUPERVISOR DATE
- C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION. McGowan 11-9-83
COATING QC SUPERVISOR DATE
- D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S). Neil Britton 11-9-83
LEAD INSPECTOR DATE
- E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY. Neil Britton
INSTRUCTOR DATE
- F. EXAMINATION COMPLETED. SCORE: 81 McGowan 11-9-83
COATING QC SUPERVISOR DATE
- COMMENTS: Limited certification relative to In-Process Miscellaneous Steel Coating Inspection excluding - Final Acceptance Inspection
- TRAINING COMPLETED: McGowan 11-9-83
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

IN-PROCESS MISCELLANEOUS STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-17,11.4-22)

NAME GREGORY SAUER

DATE COMMENCED: 11-4-83

- A. COMPLETED STEPS 5, 6, 10, AND 13 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neill Britto 11-4-83
LEAD INSPECTOR DATE

- B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Roberts 11-7-83
COATING QC SUPERVISOR DATE

- C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Roberts 11-7-83
COATING QC SUPERVISOR DATE

- D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britto 11-4-83
LEAD INSPECTOR DATE

- E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neill Britto 11-4-83
INSTRUCTOR DATE

- F. EXAMINATION COMPLETED.
SCORE: 95

W. Roberts 11-7-83
COATING QC SUPERVISOR DATE

COMMENTS: Limited certification relative to In-Process Miscellaneous Steel Coating Inspection excluding - Final Acceptance Inspection

TRAINING COMPLETED:

W. Roberts
COATING QC SUPERVISOR

11-7-83
DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22)

NAME Sharon Shelton DATE COMMENCED: 2-23-82

A. COMPLETED STEPS A, D, E, F, G, H, J, K, M, P, Q, S, T, U, & V OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Robert Hamilton 7/15/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

Sharon Williams 2/24/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

Sharon Williams 2/24/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Robert Hamilton 7/15/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

7/15/82 3/5/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 100%

7/15/82 3/5/82
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: 7/15/82 3/5/82
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COUNTY INSPECTION

11.4-1, 11.4-5, 11.4-8, 11.4-9, 11.4-17, 11.4-20, 11.4-22

NAME S. VALDEZ

DATE COMPLETED: _____

A. COMPLETED STEPS 1, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 21, AND 22 OF THE PROTECTIVE COATING GENERAL TECHNICAL OUTLINE.

Neill Britton 1-2-84
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40 HOURS "ON THE JOB" TRAINING IN THIS ACTIVITY.

W. Valdez 1/5/84
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN PERFORMING INSPECTION.

W. Valdez 1/5/84
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN COMPLETING THE INSPECTION CHECKLIST(S).

Neill Britton 1-5-84
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING SESSION FOR THIS ACTIVITY.

Neill Britton 1-2-84
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 96%

W. Valdez 1/5/84
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. Valdez 1/6/84
COATING QC SUPERVISOR DATE

QUALITY CONTROL TECHNICAL TRAINING OUTLINE

QC PROTECTIVE COATING

STEEL COATING INSPECTORS

(QI-QP-11.4-1,11.4-5,11.4-8,11.4-9,11.4-17,11.4-20,11.4-22)

NAME ROBERT WALLACE DATE COMMENCED: 3/4/82

A. COMPLETED STEPS A,D,E,F,G,H,
J,K,M,P,Q,S,T,U,&V OF THE
PROTECTIVE COATING GENERAL
TECHNICAL OUTLINE.

Naill Britton 3/4/82
LEAD INSPECTOR DATE

B. PERFORM A MINIMUM OF 40
HOURS "ON THE JOB" TRAIN-
ING IN THIS ACTIVITY.

WAIVED FOR MENT
W. S. Tate 3/4/82
COATING QC SUPERVISOR DATE

C. DEMONSTRATE PROFICIENCY IN
PERFORMING INSPECTION.

W. S. Tate 3/4/82
COATING QC SUPERVISOR DATE

D. DEMONSTRATE PROFICIENCY IN
COMPLETING THE INSPECTION
CHECKLIST(S).

Naill Britton 3/4/82
LEAD INSPECTOR DATE

E. ATTEND FORMAL TRAINING
SESSION FOR THIS ACTIVITY.

W. S. Tate 3/4/82
INSTRUCTOR DATE

F. EXAMINATION COMPLETED.
SCORE: 82%

W. S. Tate 3/4/82
COATING QC SUPERVISOR DATE

COMMENTS: _____

TRAINING COMPLETED: W. S. Tate 3/4/82
COATING QC SUPERVISOR DATE

TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 45

- a) Identify procedures addressing limitations on time for re-inspection after major repair.
- b) What provision is made to assure re-inspection before a repaired area becomes inaccessible?
- c) Identify procedure governing re-inspection of repairs.
- d) Identify procedure which governs final QC walkdown inspection.

Response:

- a) QI-QP-11.4-5 and QI-QP-11.4-26.
- b) The inspection report remains open and must be closed before an area can be declared complete.
- c) QI-QP-11.4-5 and QI-QP-11.4-26.
- d) QI-QP-11.4-5 and QI-QP-11.4-26.

TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 46

a) Identify all IR's on coating the A frame in Unit 1 Seal Room Elevation 830.

Response:

a) Copies of the applicable IR's are attached.

F Dunham

FOR INFORMATION ONLY

GRAND CANYON PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

ALC 35136

Sheet 1 of 1
NO. PCC 00867

| | | | | | |
|---|-----------|---|--|---|--|
| ITEM DESCRIPTION PROTECTIVE COATINGS | | IDENTIFICATION NO. SEE REMARKS | | SYSTEM / STRUCTURE DESIGNATION RCB #1 (51+2) | |
| SPEC. NO. AS-31 | REV. 1 | REF. Q.C. OCC. & REV. & CHANGE NO. QI-QP-11.4-23, Rev. 5 | | MEASURE OR TEST EQUIP. IDENT. NO. 1911, 1815, 1812 | |

IN PROCESS INSPECTION
 PRE INSTALLATION VERIFICATION
 INSTALLATION INSPECTION
 FINAL INSPECTION
 PRETEST INSPECTION

INSPECTION RESULTS

INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

QC INSPECTOR: Fred Dunham DATE: 6-29-82

| ITEM NO. | INSPECTION ATTRIBUTES | SAT | INSAT | DATE | QC SIGNATURE |
|----------|---|-----|-------|------|--------------|
| | SEAL OR FINISH COAT | | | | |
| 1. | Perform Tooke test per para. 3.1 to determine thickness in mils of primer and total system (document one set of readings for each 100 sq. ft. when testing Containment liner) | | | | |
| | RECORD: | | | | |
| | Min. Soot Primer: | | | | |
| | Max. Soot Primer: | | | | |
| | Avg. Soot Primer: | | | | |
| | Min. Soot Tot. System: | | | | |
| | Max. Soot Tot. System: | | | | |
| | Avg. Soot Tot. System: | | | | |
| 2. | Perform Adhesion test | | | | |
| | RECORD: Adhesion Test | | | | |
| | Dolly #1: 1000 Do | | | | |

#46

ULT. RECORD
17.1.93
300 PC

SEE ALSO 83 Q.C. #11483 Null Butts

ADVIS INDEXED

SAT PER QI-QP 11.4.5 RE 27

REMARKS (DWGS, SPECS, ETC.) RCB #1 EL. 845' SEAL TABLE SUPPORT. LOCATED IN SEAL TABLE / MOORE INSTRUMENTATION ROOM.

RELATED XCR NO. C-81-01373 R2
 I.R. CLOSED
 DATE 8-16-84
 SIGNATURE: [Signature]
 QC INSPECTOR

83-03103 USE-AS-IS ITEM #1

PERM. PLT. RECORD

| | |
|--------------|-----------|
| FILE NO. | FILE LOC. |
| | 17199.3 |
| SUBFILE LOC. | |
| 300-PC-47874 | |

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

Sheet 1 of 3
PC 47874

| | | |
|--|---|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | CERTIFICATION NO. See Remarks * | SYSTEM STRUCTURE DESIGNATION PC#1 |
| SPRING AS-31 | REV. 1 REF. TO SEC. & REV. & CHANGE NO. OI-OP-11.4-5, Rev. 12 | MEASURE BY TEST EQUIP. ID. NO. 1420 1972 2220 1616 |
| <input type="checkbox"/> IN PROCESS INSPECTION | <input type="checkbox"/> PRE-INSTALLATION VERIFICATION | <input checked="" type="checkbox"/> INSTALLATION INSPECTION |
| | | <input type="checkbox"/> FINAL INSPECTION |
| | | <input type="checkbox"/> PRE-TEST INSPECTION |

INSPECTION RESULTS

INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Mark Dandy 11-5-82
QC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | SAT | UNSAT | DATE | QC SIGNATURE |
|----------|--|-----|-------|------|--------------|
| 1. | For repair of sags and runs over 5.5 mils DFT, perform DFT of Primer Coat in areas which have been sanded or screened per Para. 3.2.1. (For multiple items, indicate Min. Spot, Max. Spot and Average DFT with corresponding QP & ID No's for each item in "Remarks.") | | | | |
| | RECORD: Minimum Spot Test: | | | | |
| | Maximum Spot Test: | | | | |
| | Average DFT: | | | | |
| 2. | Abrasive acceptable per Para. 3.2.2.a. | | N/A | | |
| 3. | Separators installed, drained, and drains left partially open. | | N/A | | |
| 4. | Air supply free of contamination. | | N/A | | |
| 5. | Blasted or power-tooled surface and profile: SP-3 | | | | |
| | a. Surface and surrounding areas cleaned per Para. 3.2.2.c. | | | | |
| | b. Surface free of foreign matter incl. grease & oil | | | | |
| | c. Sharp (non-rounded) projections removed | | | | |
| | d. Anchor pattern depth 1.0 mil, minimum | | | | |
| | e. Surface lightly abraded per Para. 3.2.3 | | N/A | | |
| | f. Surface wiped clean per Para. 3.2.3 or 3.2.4 (Repairs Only) | | N/A | | |
| 6. | Unique Number stamped on piece(s). Record Unique Number(s) in "Remarks" below. ** | | | | |
| 7. | Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: | | | | |
| | DATE: 11-5-82 TIME: 9:30pm WET BULB TEMP: 55° | | | | |
| | DRY BULB TEMP: 77° RELATIVE HUMIDITY: 32% | | | | |
| | DEW POINT: 45° SURFACE TEMP: 78° | | | | |
| 8. | Substrate surface free of contaminants and less than 24 hours elapsed since blasting. | | | | |

(Continued on Next Sheet)

FOR INFORMATION ONLY

COMANCHE PEAK STEAM ELECTRIC STATION QI-QP-11.4-5, Rev. 12
 INSPECTION REPORT Sheet 2 of 3

(SUPPLEMENTAL)

| ITEM NO. | INSPECTION ATTRIBUTES | SAT. | UNSAT. | DATE | I.C. SIGNATURE |
|----------|--|------|--------|------|----------------|
| 9. | Trap, filter or separator installed per para. 3.3.4. | ✓ | | | |
| 10. | Air supply free of contamination. | ✓ | | | |
| 11. | Qualification of applicator. (List Applicators): D. Clark | ✓ | | | |
| 12. | Verify Mixing Operations per para. 3.2.2.h. | ✓ | | | |
| 13. | Coating Material Product Identification: C211 50/50 | ✓ | | | |
| | a. Base Lot No.: 255815M PART A: N/A | | | | |
| | b. Filler Lot No.: 242992M | | | | |
| | c. Thinner Lot No.: 252984M | | | | |
| | d. Time Mixed: 9:45pm | | | | |
| | e. Shelf Life Not Exceeded | ✓ | | | |
| 14. | Pressure pot agitated. | ✓ | | | |
| 15. | Pot life not exceeded. | ✓ | | | |
| 16. | Hose less than 75 feet. | ✓ | | | |

REMARKS: (DMS, SPECS, ETC.) *SP-3 Spots on seal table located: in core instrumentation Room 51v. 845.

** QP20265 was applied ref PER0867 for sat primer Backfit report.

*** Reference PC 47854 for unsat report: see information copy sheet 3 of 3

**** The rust colored residue noted by PC #47854 has been determined by protective coating engineers Mark Wells and Mike Fyote to be residue from Dimetcode Co primer.

ME [Signature] 11/9/82
 PC LOVER III

RELATED NCS VC I.R. CLOSED RATE SIGNATURE N/A QC INSPECTOR

FOR INFORMATION ONLY

| | |
|-------------|--------------|
| RTN | L 17199.3 |
| SURFILE LOG | 300-PC-47854 |

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

Sheet 1 of 2
PC 47854

| | | |
|---|--|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | IDENTIFICATION NO. See Remarks | SYSTEM STRUCTURE DESIGNATION PCB #1 |
| SPEC. NO. AS-31 | REV. 1 | REF. I.E. DOC. & REV. & CHANGE NO. OI-OP-11.4-5, Rev. 12 |
| | | MEASURE OF TEST EQUIP. SER. NO. None |
| <input type="checkbox"/> IN PROGRESS INSPECTION | <input type="checkbox"/> PRE-INSTALLATION VERIFICATION | <input checked="" type="checkbox"/> INSTALLATION INSPECTION |
| | | <input type="checkbox"/> FINAL INSPECTION |
| | | <input type="checkbox"/> PRE-TEST INSPECTION |

INSPECTION RESULTS

INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Mark Dwyer 11.4.82
 QC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | SAT | UNSAT | DATE | QC SIGNATURE |
|----------|--|-----|-------|------|--------------|
| 1. | For repair of sags and runs over 5.5 mils DFT, perform DFT of Primer Coat in areas which have been sanded or screened per Para. 3.2.1. (For multiple items, indicate Min. Spot, Max. Spot and Average DFT with corresponding QP & ID No's for each item in "Remarks.") | | | | |
| | RECORD: Minimum Spot Test: | | | | |
| | Maximum Spot Test: | | | | |
| | Average DFT: | | | | |
| 2. | Abrasive acceptable per Para. 3.2.2.a. | | | | |
| 3. | Separators installed, drained, and drains left partially open. | | | | |
| 4. | Air supply free of contamination. | | | | |
| 5. | Blasted or power-tooled surface and profile: SP-3 | | | | |
| | a. Surface and surrounding areas cleaned per ** Para. 3.2.2.c. | | | | |
| | b. Surface free of foreign matter incl. grease & oil | | | | |
| | c. Sharp (non-rounded) projections removed | | | | |
| | d. Anchor pattern depth 1.0 mil, minimum | | | | |
| | e. Surface lightly abraded per Para. 3.2.3 | | | | |
| | f. Surface wiped clean per Para. 3.2.3 or 3.2.4 | | | | |
| | (Repairs Only) | | | | |
| 6. | Unique Number stamped on piece(s). Record Unique Number(s) in "Remarks" below. | | | | |
| 7. | Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: | | | | |
| | DATE: TIME: WET BULB TEMP: DATE: | | | | |
| | DRY BULB TEMP: RELATIVE HUMIDITY: | | | | |
| | DEW POINT: SURFACE TEMP: | | | | |
| 8. | Substrate surface free of contaminants and less than 24 hours elapsed since blasting. | | | | |

(Continued on Next Sheet)

ARMS INDEXED

FOR INFORMATION ONLY

COMANCHE PEAK STEAM ELECTRIC STATION QI-QP-11.4-5, Rev. 12
 INSPECTION REPORT Sheet 2 of 2

(SUPPLEMENTAL)

| ITEM NO. | INSPECTION ATTRIBUTES | SAT. | UNSAT. | DATE | I.C. | SIGNATURE |
|----------|--|------|--------|------|------|-----------|
| 9. | Trap, filter or separator installed per para. 3.3.4. | | N/A | | | |
| 10. | Air supply free of contamination. | | | | | |
| 11. | Qualification of applicator. (List Applicators:) | | | | | |
| 12. | Verify Mixing Operations per para. 3.2.2.h. | | | | | |
| 13. | Coating Material Product Identification: | | | | | |
| | a. Base Lot No.: PART A: | | | | | |
| | b. Filler Lot No.: | | | | | |
| | c. Thinner Lot No.: | | | | | |
| | d. Time Mixed: | | | | | |
| | e. Shelf Life Not Exceeded | | | | | |
| 14. | Pressure pot agitated. | | | | | |
| 15. | Pot life not exceeded. | | | | | |
| 16. | Hose less than 75 feet. | | | | | |

REMARKS: (DWGS, SPECS, ETC.) *Seal Table Support RCB #1 ELEV. 845: located in seal table/incore instrumentation room.

** Rejected due to surface rust at edge of coating. Sample areas of existing coatings over the item were removed and it appears that rusting under existing coating is a general condition.

RELATED NCR NO. N/A | I.R. CLOSED | DATE 11-5-82 | SIGNATURE [Signature] | I.C. INSPECTOR

FOR INFORMATION ONLY

UNIT NO. 1000000000
 OFFICE LOC. 1000000000

ARMS INDEXED

COMANCHE PEAK STEAM ELECTRIC STATION
 INSPECTION REPORT

DATE: 11-9-82
 SHEET 2 OF 2
 NO. PC47923

| | | |
|--|---|--|
| ITEM DESCRIPTION PROTECTIVE COATINGS | CERTIFICATION NO. See REMARKS | SYSTEM / STRUCTURE DESIGNATION RCB #1 |
| SYMBOL AS-31 | REV. 1 | REF. C.C. CODE & REV. & CHANGE NO. OI-OP-11.4-5, Rev. 12 |
| | | MEASURE / OR TEST EQUIP. IDENT. NO. 1426, 1970, 2303, 2306, 3280. |
| <input type="checkbox"/> IN PROCESS INSPECTION | <input type="checkbox"/> PIPE INSTALLATION VERIFICATION | <input checked="" type="checkbox"/> INSTALLATION INSPECTION |
| | | <input type="checkbox"/> FINAL INSPECTION |
| | | <input type="checkbox"/> PRETEST INSPECTION |

UNDER RESULTS
 INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Thomas L Miller 11-9-82
 QC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | DAY | INITIAL | DATE | QC SIGNATURE |
|----------|--|-----|---------|------|--------------|
| | SEAL COAT | | | | |
| | FINISH COAT | | | | |
| | ORIGINAL | | | | |
| | REPAIR | | | | |
| 1. | Record all Protective Coatings Unique OP & ID.No. 's: (For multiple items indicate in "Remarks" with corresponding DFT readings from Item #3 above.) Per Para. 3.1.1.a | | | | |
| | DP20265 | | | | |
| 2. | Perform Adhesion Test per para. 3.1.1.b if primed item does not exhibit OP No. RECORD: Adhesion Test strength in PSI | | | | |
| | Dolly #1 Dolly #2 Dolly #3 | | | | |
| 3. | Verify Primer Cure per para. 3.1.1.c | | | | |
| 4. | Perform Visual Inspection of Primed Surface per para. 3.1.1.d | | | | |
| 5. | Perform DFT of Primer Coat per para. 3.1.1.e (For multiple items indicate Min. Soot, Max. Soot and Average DFT for each item in "Remarks") RECORD: Minimum Soot Test: 1.5 Maximum Soot Test: 5.0 Average DFT: 3.2 | | | | |
| 6. | Ambient conditions checked per para. 3.3.2 prior to coating application and record below: DATE: 11-9-82 TIME: 10:35 WET BULB TEMP: 66 DRY BULB TEMP: 77 RELATIVE HUMIDITY: 56 DEW POINT: 60 SURFACE TEMP: 79 | | | | |
| 7. | Perform Visual Inspection of previously coated surface per para. 3.1.3 | | | | |
| 8. | Verify surface preparation acceptable per CCP-30 or 30A | | | | |
| 9. | Verify air supply acceptable per para. 3.3.4 | | | | |
| 10. | Verify mixing operations are per CCP-30 or 30A and para. 3.3.5 | | | | |

(Continued on Next Sheet)

FOR INFORMATION ONLY

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

QI-QP-11.4-5, Rev. 12
Sheet 2 of 2

(SUPPLEMENTAL)

| ITEM NO. | INSPECTION ATTRIBUTES | SAT. | UNSAT. | DATE | O. C. SIGNATURE |
|----------|--|------|--------|------|-----------------|
| | | | | | |
| 11. | Coating material product identification: <i>Phenolic 305</i> | ✓ | | | |
| | RECORD BATCH NUMBERS: <i>COLOR # 4312</i> | ✓ | | | |
| | PART A: <i>2 D11714</i> | ✓ | | | |
| | PART B: <i>2 D11724</i> | ✓ | | | |
| | THINNER: <i>2 C09124</i> | ✓ | | | |
| | TIME MIXED: <i>8:54 A.M.</i> | ✓ | | | |
| 12. | Verify that shelf life of coating materials has not expired. | ✓ | | | |
| 13. | Verify that pot life is not exceeded. | ✓ | | | |
| 14. | Verify qualification of applicator per para. 3.3.1. | ✓ | | | |
| | List Applicators: <i>D. ETARIDGE</i> | | | | |
| | <i>C. VALDEZ</i> | | | | |
| 15. | Verify hose length is less than 75 feet. | ✓ | | | |

REMARKS: (DWGS, SPECS, ETC.) *FINISH COAT APPLIED TO THE SEAL TABLE SUPPORT (A-FRAME), OVER NUMEROUS PRIMER REPAIRS AND EXISTING SEAL COAT. EL 845'0" RM # 156 IN CORE INSTRUMENT ROOM.*

NOTE: EXISTING PRIMER WAS DETERMINED BY QC PERSONNEL TO BE UNSAT., SEE PC 47854. REFERENCE PC 47874 (REMARKS) FOR DISPOSITION OF THIS PROBLEM BY COATING ENGINEERS MARK WELLS AND MIKE FOLTE

RELATED NCR NO. *NA* I.R. CLOSED DATE *NA* SIGNATURE *NA* QC INSPECTOR

FOR INFORMATION ONLY

| UNIT | STRUCTURE/SYSTEM | ITEM/COMPONENT | TAG/ID NUMBER | LOCATION OR ELEVATION | RIR NO. |
|------|------------------|---------------------------------|---------------|--|---------|
| 1 | RB #1 | Seal Table Support "A" Frame | N/A | A2-270 Elev. 845 Room #159 Incode Inst. Room | N/A |

NONCONFORMING CONDITION

The quality of the above referenced item is indeterminate due to the following:

1. While inspecting the seal coated surface, in preparation for finish coating, it was observed that large areas of coating were not adhering to the substrate (approximate size of area - 10 sq. inches).
2. Examination of failed coating revealed a reddish brown substance adhering to the primed piece of coating as well as the substrate.

REPORTING PERSONNEL

1 hold tag applied near affected area.

FOR INFORMATION ONLY

REFERENCE DOCUMENT: AS-31 REV _____ PARA _____

REPORTED BY: Robert A. Danielson DATE: 12/30/82

QE REVIEW/APPROVAL: [Signature] DATE: 1/4/83

ACTION ADDRESSEE: J. B. George/Kissinger DEPARTMENT: Engineering

DISPOSITION: REWORK _____ REPAIR XXX USE AS IS _____ SCRAP _____

ACTION ADDRESSEE

1. Perform adhesion testing per QI-QP-11.4-23 on the above support.
2. Remove unacceptable coatings to sound substrate and reapply acceptable coatings per 2323-AS-31 & CCP-30.

ENG. REVIEW/APPROVAL: [Signature] DATE: 1/15/83

QE REVIEW APPROVAL: [Signature] DATE: 1/11/83

DISPOSITION VERIFICATION & CLOSURE: [Signature] DATE: 5/17/83

COMMENTS:

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

SHEET 1 OF 1
NO. PC101019

| | | | | | |
|--|-----------|---|--|--|--|
| ITEM DESCRIPTION SEALABLE SUPPORT "A" FRAME | | IDENTIFICATION NO. | | SYSTEM / STRUCTURE DESIGNATION FCB-1 INCRE/LS RM #159 | |
| SPEC. NO. A531 | REV. 1 | REF. Q.C. DOC. & REV. & CHANGE NO. OI-QP-11-4-5 R. 4 | | MEASURE OR TEST EQUIP. IDENT. NO. UA | |

IN PROCESS INSPECTION
 PRE INSTALLATION VERIFICATION
 INSTALLATION INSPECTION
 FINAL INSPECTION
 PRETEST INSPECTION

INSR RESULTS

INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 NEILL BRITTON, 5-19-83
 QC INSPECTOR DATE

INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

| ITEM NO. | INSPECTION ATTRIBUTES | SAT. | UNSAT. | DATE | QC SIGNATURE |
|----------|---|------|--------|------|--------------|
| 1 | AS PER DISPOSITION OF NCR-C-82-02403 ADHESION TESTING WAS PERFORMED IN ACCORDANCE WITH OI-QP-11-4-23 (SEE PCR03034 ATTACHED) COATINGS WERE REAPPLIED TO DAMAGED AREAS (SEE PC100299, PC100305, PC100313, PC100330, PC100346, PC100359, PC100382, PC100484, PC100503, PC100545, PC100572, PC100607, PC100650 ATTACHED) | ✓ | | | |
| 2 | HOLD TAGS REMOVED. | ✓ | | | |
| 3 | THIS IS THE FINAL INSPECTION REPORT TO CLOSE NCR C-82-02403. | ✓ | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMARKS (DWGS, SPECS, ETC.)
NA

RELATED NCR NO. C82-02403
 L.R. CLOSED
 DATE NA
 SIGNATURE [Signature]
 QC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

SHEET 1 OF 1
NO. PCR 03034

| | | | |
|---|------------|---|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | | IDENTIFICATION NO. 2 Seal Table Support A frame | SYSTEM / STRUCTURE DESIGNATION 203-1-ROCK #159 02-270-211 8417 |
| SPEC. NO. AS-31 | REV. -1 | REF. QC DOC. & REV. & CHANGE NO. QI-QP-11.4-23, Rev. 6 | MEASURE OR TEST EQUIP. IDENT. NO. 2225 |

IN PROCESS INSPECTION
 PRE INSTALLATION VERIFICATION
 INSTALLATION INSPECTION
 FINAL INSPECTION
 PRETEST INSPECTION

INSR RESULTS

INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Robert A. Danielson 4/7/83
QC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | SAT | UNSAT | DATE | QC SIGNATURE |
|----------|-----------------------|-----|-------|------|--------------|
|----------|-----------------------|-----|-------|------|--------------|

SEAL OR FINISH COAT

1. Perform Tooke test per para. 3.1 to determine thickness $\frac{1}{2}$ in mils of primer and total system (document one set of readings for each 100 sq. ft. when testing Containment liner)

RECORD:

| | 1 | 2 | 3 | 4 | 5 |
|------------------------|---|---|---|---|---|
| Min. Spot Primer: | | | | | |
| Max. Spot Primer: | | | | | |
| Avg. Spot Primer: | | | N | | |
| Min. Spot Tot. System: | | | A | | |
| Max. Spot Tot. System: | | | | | |
| Avg. Spot Tot. System: | | | | | |

2. Perform Adhesion test per para. 3.2. ✓

RECORD: Adhesion Test Strength in psi:

Dolly #1: 600psi Dolly #2: 400psi Dolly #3: 350psi

REMARKS (DWGS, SPECS, ETC.)

NOTE: Adhesion test only per disposition of NCR # 0-22-02403

② ITEM RELEASED TO CONSTRUCTION FOR REAPPLICATION OF COATING per AS-31 & CC-30

③ HOLD TAG REMOVED.

| | | | | |
|-------------------------------|-------------|-------------|------------------|--------------|
| RELATED NCR NO. 0-22-02403 | I.R. CLOSED | DATE N/A | SIGNATURE N/A | QC INSPECTOR |
|-------------------------------|-------------|-------------|------------------|--------------|

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

Sheet 1 of 2
 No. PL100298

ITEM DESCRIPTION: PROTECTIVE COATINGS IDENTIFICATION NO. SEE REMARKS SYSTEM / STRUCTURE DESIGNATION: RCB-1

AS-31 REV. 1 REF. TO SPEC. & REV. & CHANGE NO. QI QP-11.4-5 Rev. 13 MEASURE BY TEST EQUIP. SERIAL NO. 2402 2014 2402 164

IN PROCESS INSPECTION PRE-INSTALLATION VERIFICATION INSTALLATION INSPECTION FINAL INSPECTION PRE-TEST INSPECTION

INSR. RESULTS
 INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW
 Robert A. Lamblorn 4/8/83
 QC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | SAV | INSTR. | DATE | QC SIGNATURE |
|----------|--|------------|--------|------|--------------|
| 1. | For repair of sags and runs over 5.5 mils DFT, perform DFT Primer Coat in areas which have been sanded or screened per Para. 3.2.1 (for multiple items, indicate Min. Soot, Max. Soot and Average DFT with corresponding QP & ID No.'s for each item in "Remarks") RECORD: Minimum Soot Test: Maximum Spot Test: Average DFT: <u>INFO. ONLY</u> | <u>100</u> | | | |
| 2. | Abrasive acceptable per Para. 3.2.2.b | <u>100</u> | | | |
| 3. | Separators installed, drained, and drains left partially open. | <u>100</u> | | | |
| 4. | Air supply free of contamination. | <u>100</u> | | | |
| 5. | Blasted or power-tooled surface and profile: <u>SP2+3</u> | | | | |
| | a. Surface and surrounding areas clean per Para. 3.2.2.d | <u>✓</u> | | | |
| | b. Surface free of foreign matter incl. grease & oil | <u>✓</u> | | | |
| | c. Sharp (non-rounded) projections removed | <u>✓</u> | | | |
| | d. Anchor pattern depth 1.0 mil, minimum | <u>✓</u> | | | |
| | e. Surface lightly abraded per Para. 3.2.3 | <u>✓</u> | | | |
| | f. Surface wiped clean per Para. 3.2.3 or 3.2.4 | <u>✓</u> | | | |
| | (Repairs Only) | | | | |
| 6. | Unique Number stamped on piece(s). Record Unique Number(s) in "Remarks" below | <u>✓</u> | | | |
| 7. | Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: DATE: <u>4/8/83</u> TIME: <u>1:30 AM</u> WET BULB TEMP: <u>75</u> DRY BULB TEMP: <u>95</u> RELATIVE HUMIDITY: <u>89%</u> DEW POINT: <u>66°</u> SURFACE TEMP: <u>98°</u> | <u>✓</u> | | | |
| 8. | Substrate surface free of contaminants and less than 24 hours elapsed since blasting | <u>✓</u> | | | |

(CONTINUED ON NEXT PAGE)

✓

**COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT**

(SUPPLEMENTAL)

OI-OP-11.4-5 Rev. 13
Sheet 2 of 13

FOR FULL HEADINGS, SEE SHEET 1.

NO. PC 100298

| ITEM NO. | INSPECTION ATTRIBUTES | BY | UNIT | DATE | O.C. SIGNATURE |
|----------|---|---------|------|------|----------------|
| 9. | Trap, filter or separator installed per para. 3.3.4 | (Brush) | | | |
| 10. | Air supply free of contamination. | (Brush) | | | |
| 11. | Qualification of applicator (List Applicators:) | | | | |
| | J. Clamp | | | | |
| 12. | Verify Mixing Operations per para 3.2.2 b | | | | |
| 13. | Coating Material Product Identification: CZ-11 | | | | |
| | a. Base Lot No.: 3A0074M PART A: | | | | |
| | b. Filler Lot No. 3A5036M | | | | |
| | c. Thinner Lot No.: 2M3927M | | | | |
| | d. Time Mixed: 1.5 AM | | | | |
| 14. | Pressure not aditated | (Brush) | | | |
| 15. | Pot life not exceeded | | | | |
| 16. | Hose less than 75 feet. | (Brush) | | | |

REMARKS: (OWNER, SPECIES, ETC) SP2 + 3 spot primer repair

Seal Table "A" Frame
OP 20260, 20308
AZ-270
Est. 845

Pre Surface Prep Ambients
R&B-1 7:12 AM 4/7/83
WB - 67
DB - 95
RH - 16%
DP - 40
ST - 100°

RELATED NCR NO. N/A | L.R. CLOSED | DATE N/A | SIGNATURE N/A
GC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

DATE: 4-8-83
NO: PA 107305

| | | |
|--|--|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | IDENTIFICATION NO. *SEE REMARKS | SYSTEM / STRUCTURE DESIGNATION RCA #1 |
| AS-31 | REV. 1 REF. TO SPEC. & REV. & CHANGE NO. QI_QP-11.4-5 Rev. 1B | MEASURE OF TEST EQUIP. QNTY. NO. 1972, 2401, 2404, 3280 |
| <input type="checkbox"/> IN PROCESS INSPECTION | <input type="checkbox"/> PRE-INSTALLATION VERIFICATION | <input checked="" type="checkbox"/> INSTALLATION INSPECTION |
| | <input type="checkbox"/> FINAL INSPECTION | <input type="checkbox"/> PRE-TEST INSPECTION |

INSPECTION RESULTS:
 INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW
 GC INSPECTOR: Casandra L. Owen DATE: 4-8-83

| ITEM NO. | INSPECTION ATTRIBUTES | DAY | INITIAL | DATE | GC SIGNATURE |
|----------|--|-----|---------|------|--------------|
| 1. | For repair of sags and runs over 5.5 mils DFT, perform DFT Primer Coat in areas which have been sanded or screened per Para. 3.2.1 (for multiple items, indicate Min. Soot, Max. Soot and Average DFT with corresponding OP & ID No.'s for each item in "Remarks") RECORD: Minimum Soot Test: Maximum Soot Test: Average DFT: | | | | |
| 2. | Abrasive acceptable per Para. 3.2.2.b | N/A | | | |
| 3. | Separators installed, drained, and drains left partially open. | N/A | | | |
| 4. | Air supply free of contamination. | N/A | | | |
| 5. | Blasted or power-tooled surface and profile: <u>SP-2</u> | | | | |
| | a. Surface and surrounding areas clean per Para. 3.2.2.d | | | | |
| | b. Surface free of foreign matter incl. grease & oil | | | | |
| | c. Sharp (non-rounded) projections removed | | | | |
| | d. Anchor pattern depth 1.0 mil, minimum | | | | |
| | e. Surface lightly abraded per Para. 3.2.3 | | | | |
| | f. Surface wiped clean per Para. 3.2.3 or 3.2.4 (Repairs Only) | | | | |
| | Unique Number stamped on piece(s). Record Unique Number(s) in "Remarks" below | | | | |
| 7. | Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: DATE: <u>4-8-83</u> TIME: <u>3:30 PM</u> WET BULB TEMP: <u>68°</u> DRY BULB TEMP: <u>100°</u> RELATIVE HUMIDITY: <u>17%</u> DEW POINT: <u>47°</u> SURFACE TEMP: <u>100°</u> | | | | |
| 8. | Substrate surface free of contaminants and less than 24 hours elapsed since blasting | | | | |

(CONTINUED ON NEXT PAGE)

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

OI-QP-11.4-5 Rev. 13
Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1.

NO. PC 100305

| ITEM NO. | INSPECTION ATTRIBUTES | TEST | DATE | G. C. SIGNATURE |
|----------|--|------|------|-----------------|
| 9. | Trap, filter or separator installed per para. 3.3.4 | W/A | | |
| 10. | Air supply free of contamination. | W/A | | |
| 11. | Qualification of applicator (List Applicators:) J. Mickel, M. Gomez | W/A | | |
| 12. | Verify Mixing Operations per para. 3.2.2 h | W/A | | |
| 13. | Coating Material Product Identification: CZ-11 | W/A | | |
| | a. Base Lot No.: 3A0074M PART A: N/A | | | |
| | b. Filler Lot No.: 3A5036M | | | |
| | c. Thinner Lot No.: 2M3926M | | | |
| | d. Time Mixed: 2:20 PM | | | |
| 14. | Pressure pot agitated | N/A | | |
| 15. | Pot life not exceeded | N/A | | |
| 16. | Hose less than 75 feet. | N/A | | |

REMARKS: (DIMS, SPEC, ETC.)

SP-3 Primer Repair to seal Table 'A' Frame
 @ 845' A2 270° QP 20260, 20308
 Brush touch up all areas less than 1 sq ft.

Pre-Prep Ambient

4-8-83 2:30
 WB 67° RH 15%
 DB 100° DP 44°
 ST 100°

RELATED NCR NO. P/A | L.R. CLOSED N/A | DATE N/A | SIGNATURE N/A | G.C. INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

DATE: 1 2
NO. DC10031.3

ITEM DESCRIPTION: PROTECTIVE COATINGS
 IDENTIFICATION NO.: See Remarks
 SYSTEM / STRUCTURE DESIGNATION: RCN #1
 SPEC. NO.: AS-31
 REV.: 1
 REF. TO SPEC & REV. & CHANGE NO.: QI_QP-11.4-5 Rev. 13
 MEASURE BY: 2499, 1972
 EQUIP. DESIG. NO.: 2401 1611

IN PROCESS INSPECTION
 PRE-INSTALLATION VERIFICATION
 INSTALLATION INSPECTION
 FINAL INSPECTION
 PRE-TEST INSPECTION

USER RESULTS
 INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW
 QC INSPECTOR: *Mark D... 4.9.83*
 DATE: 4.9.83

| ITEM NO. | INSPECTION ATTRIBUTES | SAF | INITIAL | DATE | QC SIGNATURE |
|----------|--|-----|---------|------|--------------|
| 1. | For repair of sags and runs over 8.5 mils DFT, perform DFT Primer Coat in areas which have been sanded or screened per Para. 3.2.1 (for multiple items, indicate Min. Soot, Max. Soot and Average DFT with corresponding OP & ID No.'s for each item in "Remarks") RECORD: Minimum Soot Test: Maximum Soot Test: Average DFT: | N/A | | | |
| 2. | Abrasive acceptable per Para. 3.2.2.b | N/A | | | |
| 3. | Separators installed, drained, and drains left partially open. | N/A | | | |
| 4. | Air supply free of contamination. | N/A | | | |
| 5. | Blasted or power-tooled surface and profile: SA1+2+3 | | | | |
| | a. Surface and surrounding areas clean per Para. 3.2.2.d | ✓ | | | |
| | b. Surface free of foreign matter incl. grease & oil | ✓ | | | |
| | c. Sharp (non-rounded) projections removed | ✓ | | | |
| | d. Anchor pattern depth 1.0 mil, minimum | ✓ | | | |
| | e. Surface lightly abraded per Para. 3.2.3 | ✓ | | | |
| | f. Surface wiped clean per Para. 3.2.3 or 3.2.4 | ✓ | | | |
| | (Repairs Only) | | | | |
| | Unique Number stamped on piece(s). Record Unique Number(s) in "Remarks" below * * | ✓ | | | |
| 7. | Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: DATE: 4.9.83 TIME: 1:00 PM WET BULB TEMP: 71° DRY BULB TEMP: 98° RELATIVE HUMIDITY: 25% DEW POINT: 56° SURFACE TEMP: 98° | ✓ | | | |
| 8. | Substrate surface free of contaminants and less than 24 hours elapsed since blasting SA 3 4-9-83 | ✓ | | | |

(CONTINUED ON NEXT PAGE)

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

DI-OP-11.4-5 Rev. 13
Sheet 2 of 2

FOR FULL READINGS, SEE SHEET 1.

NO. PC 100313

| ITEM NO. | INSPECTION ATTRIBUTES | DATE | G.C. SIGNATURE |
|----------|--|------|----------------|
| 9. | Trap, filter or separator installed per para. 3.3.4 | N/A | |
| 10. | Air supply free of contamination. <i>Brush App.</i> | N/A | |
| 11. | Qualification of applicator (List Applicators: <i>S. Dlouhy</i>) | ✓ | |
| 12. | Verify Mixing Operations per para. 3.2.2 b | ✓ | |
| 13. | Coating Material Product Identification: <i>C211</i> | ✓ | |
| | a. Base Lot No.: <i>2A0074M</i> PART A: <i>N/A</i> | | |
| | b. Filler Lot No.: <i>3A5036M</i> | | |
| | c. Thinner Lot No.: <i>2M3927M</i> | | |
| | d. Time Mixed: <i>2:50 AM</i> | | |
| 14. | Pressure pot agitated (<i>Brush App.</i>) | N/A | |
| 15. | Pot life not exceeded | ✓ | |
| 16. | Hose less than 75 feet. (<i>Brush App.</i>) | N/A | |

REMARKS: (COVER, SPECS, ETC.) *Primer Repair spots on Seal Table A Frame RW*
Flw. 849

QP20260
QP20308

Time DBWB STRH DP
9:30pm 97 67 104° 18% 47°

RELATED NCR NO.
N/A

LR. CLOSED

DATE
N/A

SIGNATURE

N/A

G.C. INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

Sheet 1 of 2
 NO. - PC 100330

ITEM DESCRIPTION: PROTECTIVE COATINGS
 IDENTIFICATION NO.: SEE REMARKS
 SYSTEM/STRUCTURE DESIGNATION: RCB #1 Incore Instr. Rm
 SPECIFIC: AS-31
 REV.: 1
 REF. TO SPEC. & REV. & CHANGE TO: QI_QP-11.4-5 Rev. 13
 MEASURE OF TEST EQUIP. IDENT. NO.: 2404 2462, 2402, 3059, 1611

IN PROCESS INSPECTION PRE-INSTALLATION VERIFICATION INSTALLATION INSPECTION FINAL INSPECTION PRE-TEST INSPECTION

INSPECTION RESULTS

INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Timothy Wilson 4-10-83
 QC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | LAB | INITIAL | DATE | QC SIGNATURE |
|----------|--|-----|---------|------|--------------|
| 1. | For repair of sags and runs over 5.5 mils DFT, perform DFT Primer Coat in areas which have been sanded or screened per Para. 3.2.1 (for multiple items, indicate Min. Soot, Max. Soot and Average DFT with corresponding QP & ID No.'s for each item in "Remarks") RECORD: Minimum Soot Test: Maximum Spot Test: Average DFT: | | | | N/A |
| 2. | Abrasive acceptable per Para. 3.2.2.b | | | | N/A |
| 3. | Separators installed, drained, and drains left partially open. | | | | N/A |
| 4. | Air supply free of contamination. | | | | N/A |
| 5. | Blasted or power-tooled surface and profile: SA 2 1/2 | | | | |
| | a. Surface and surrounding areas clean per Para. 3.2.2.d | | | | ✓ |
| | b. Surface free of foreign matter incl. grease & oil | | | | ✓ |
| | c. Sharp (non-rounded) projections removed | | | | ✓ |
| | d. Anchor pattern depth 1.0 mil, minimum | | | | ✓ |
| | e. Surface lightly abraded per Para. 3.2.3 | | | | N/A |
| | f. Surface wiped clean per Para. 3.2.3 or 3.2.4 (Repairs Only) | | | | N/A |
| 6. | Unique Number stamped on piece(s) record Unique Number(s) in "Remarks" below | | | | ✓ |
| 7. | Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: DATE: 4-10-83 TIME: 12:25 PM WET BULB TEMP: 72° DRY BULB TEMP: 97° RELATIVE HUMIDITY: 29% DEW POINT: 59° SURFACE TEMP: 98° | | | | ✓ |
| 8. | Substrate surface free of contaminants and less than 24 hours elapsed since blasting | | | | ✓ |

(CONTINUED ON NEXT PAGE)

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

OI-OP-11.4-5 Rev. 13
Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1

NO. PC100330

| ITEM NO. | INSPECTION ATTRIBUTES | BY | DATE | G.C. SIGNATURE |
|---------------------------|--|----------|------|----------------|
| 9. | Trap, filter or separator installed per para. 3.3.4. | Brush | N/A | |
| 10. | Air supply free of contamination. | Brush | N/A | |
| 11. | Qualification of applicator (List Applicators): | J. Clump | | |
| 12. | Verify Mixing Operations per para. 3.2.2 h | | | |
| 13. | Coating Material Product Identification: CZ-11 | | | |
| | a. Base Lot No.: 3A0074M PART A: N/A | | | |
| | b. Filler Lot No.: 3A5036M | | | |
| | c. Thinner Lot No.: 2M3927M | | | |
| | d. Time Mixed: 1:37 A.M. | | | |
| 14. | Pressure not agitated | Brush | N/A | |
| 15. | Pot life not exceeded | | | |
| 16. | Hose less than 75 feet. | Brush | N/A | |
| Pre Surface Prep. Ambient | | | | |
| DATE: 4-9-83 | | | | |
| TIME: 9:35 P.M. | | | | |
| WB 72° | | | | |
| DB 97° | | | | |
| ST 92° | | | | |
| DP 59° | | | | |
| RH 29% | | | | |

REMARKS: (DWGS, SPECS, ETC) Spot primer repair to several small areas on the following;

⊗ Base support of seal table "A" frame

⊗⊗ 4P20308, 4P20260

RELATED NCR NO.

N/A

LR. CLOSED

DATE

N/A

SIGNATURE

N/A

G.C. INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

SHEET 1 OF 2
NO. RC100346

| | | |
|---|-----------------------------------|--|
| ITEM DESCRIPTION PROTECTIVE COATINGS | IDENTIFICATION NO. See Remarks | SYSTEM/STRUCTURE DESIGNATION RCB-1 |
| SPEC. NO. AS-31 | REV. 1 | REF. Q.C. DOC. & REV. & CHANGE NO. QI_QP-11.4-5 Rev. 13 |
| | | MEASURE OF TEST EQUIP. QNT. NO. 3280, 204, 2497 2402 |

IN PROCESS INSPECTION
 PRE-INSTALLATION VERIFICATION
 INSTALLATION INSPECTION
 FINAL INSPECTION
 PRE-TEST INSPECTION

INSP. RESULTS

INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Signature: *[Signature]* 4-11-83
 QC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | SAT | UNSAT | DATE | QC SIGNATURE |
|----------|--|-----|-------|------|--------------|
| 1. | For repair of sags and runs over 5.5 mils DFT, perform DFT Primer Coat in areas which have been sanded or screened per Para. 3.2.1 (for multiple items, indicate Min. Spot, Max. Spot and Average DFT with corresponding QP & ID No.'s for each item in "Remarks" RECORD: Minimum Spot Test: Maximum Spot Test: Average DFT: | ✓ | | | |
| 2. | Abrasive acceptable per Para. 3.2.2.b | N/A | | | |
| 3. | Separators installed, drained, and drains left partially open. | N/A | | | |
| 4. | Air supply free of contamination. | N/A | | | |
| 5. | Blasted or power-tooled surface and profile: SP-2, SP-3 | ✓ | | | |
| | a. Surface and surrounding areas clean per Para. 3.2.2.d | ✓ | | | |
| | b. Surface free of foreign matter incl. grease & oil | ✓ | | | |
| | c. Sharp (non-rounded) projections removed | ✓ | | | |
| | d. Anchor pattern depth 1.0 mil. minimum | ✓ | | | |
| | e. Surface lightly abraded per Para. 3.2.3 | ✓ | | | |
| | f. Surface wiped clean per Para. 3.2.3 or 3.2.4 | ✓ | | | |
| | (Repairs Only) | | | | |
| 6. | Unique Number stamped on piece(s). Record Unique Number(s) in "Remarks" below | ✓ | | | |
| 7. | Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: DATE: 4-11-83 TIME: 3:30 PM WET BULB TEMP: 70° DRY BULB TEMP: 100° RELATIVE HUMIDITY: 21% DEW POINT: 52° SURFACE TEMP: 102° | ✓ | | | |
| 8. | Substrate surface free of contaminants and less than 24 hours elapsed since blasting SP-2, SP-3 | ✓ | | | |

(CONTINUED ON NEXT PAGE)

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

01-OP-11 4-5 Rev 13
Sheet 2 of 2

(SUPPLEMENTAL)

FOR FULL HEADINGS, SEE SHEET 1.

NO. PC 100 346

| ITEM NO. | INSPECTION ATTRIBUTES | SAT. | UNSAT. | DATE | I.C. SIGNATURE |
|----------|---|------|--------|------|----------------|
| 9. | Trap, filter or separator installed per para. 3.3.4 | NA | | | |
| 10. | Air supply free of contamination. <i>Brush Application</i> | NA | | | |
| 11. | Qualification of applicator (List Applicators): <i>M. Pralim</i> | ✓ | | | |
| 12. | Verify Mixing Operations per para. 3.2.2 b | ✓ | | | |
| 13. | Coating Material Product Identification: <i>CZ-11</i> | ✓ | | | |
| | a. Base Lot No.: <i>3A0074N</i> PART A: <i>N/A</i> | | | | |
| | b. Filler Lot No.: <i>3A5036M</i> | | | | |
| | c. Thinner Lot No.: <i>242926M</i> | | | | |
| | d. Time Mixed: <i>3:07 PM</i> | | | | |
| 14. | Pressure pot agitated | NA | | | |
| 15. | Pot life not exceeded | NA | | | |
| 16. | Hose less than 75 feet. | NA | | | |

REMARKS: (DWGS, SPECS, ETC.) * Primer spot repair to Seal table "A" frame OP 20308, 20060. El. 832 Room 156.

Surface prep ambient: 4-11-83 2:30 PM
 wet bulb - 70° Dew Point - 52°
 dry bulb - 100+° Humidity - 21%
 surface - 102°

RELATED NCR NO. *N/A* | I.R. CLOSED *N/A* | DATE *N/A* | SIGNATURE *[Signature]* | I.C. SIGNATURE *[Signature]*

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

DATE 1-2
NO. P. 110359

ITEM DESCRIPTION: PROTECTIVE COATINGS
 IDENTIFICATION NO. * See Remarks
 SYSTEM/STRUCTURE DESIGNATION: RCF-1 EL. 822 Room 156
 SPEC. NO. AS-31 REV. 1 REF. 2.0, 2.02 & REV. & CHANGE NO. QI_QP-11.4-5 Rev. 13
 DATE OF TEST: 4-12-83
 TEST EQUIP. NO. 2499, 1968, 2402

IN PROCESS INSPECTION PRE INSTALLATION VERIFICATION INSTALLATION INSPECTION FINAL INSPECTION PRE TEST INSPECTION

INSPECTION RESULTS
 INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW
 QC INSPECTOR: J. N. Chen Lin DATE: 4-12-83

| ITEM NO. | INSPECTION ATTRIBUTES | AVG | REMARKS | DATE | QC SIGNATURE |
|----------|--|-----|---------|---------|--------------|
| 1. | For repair of sags and runs over 5.8 mils OFT, perform OFT Primer Coat in areas which have been sanded or screened per Para. 3.2.1 (for multiple items, indicate Min. Soot, Max. Soot and Average OFT with corresponding OP & ID No.'s for each item in "Remarks") RECORD: Minimum Soot Test: Maximum Spot Test: Average OFT: | NI | | | |
| 2. | Abrasive acceptable per Para. 3.2.2.b | NI | | | |
| 3. | Separators installed, drained, and drains left partially open. | | | | |
| 4. | Air supply free of contamination. | NI | | | |
| 5. | Blasted or power-tooled surface and profile: S02 & 3 | | | 4-12-83 | |
| a. | Surface and surrounding areas clean per Para. 3.2.2.d | ✓ | | | |
| b. | Surface free of foreign matter incl. grease & oil | ✓ | | | |
| c. | Sharp (non-rounded) projections removed | ✓ | | | |
| d. | Anchor pattern depth 1.0 mil. minimum | ✓ | | | |
| e. | Surface lightly abraded per Para. 3.2.3 | - | | | |
| f. | Surface wiped clean per Para. 3.2.3 or 3.2.4 | ✓ | | | |
| | (Repairs Only) | | | | |
| 6. | Unique Number stamped on piece(s). Record Unique Number(s) in "Remarks" below | ✓ | | | |
| 7. | Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: DATE: 4-12-83 TIME: 11:00 AM WET BULB TEMP: 69° DRY BULB TEMP: 100° RELATIVE HUMIDITY: 19% DEW POINT: 50° SURFACE TEMP: 100° | ✓ | | | |
| 8. | Substrate surface free of contaminants and less than 24 hours elapsed since blasting | ✓ | | | |

(CONTINUED ON NEXT PAGE)

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

01-OP-11.4-5 Rev. B
Sheet 2 of 2

(SUPPLEMENTAL)

FOR FULL HEADINGS, SEE SHEET 1.

NO. DC100359

| ITEM NO. | INSPECTION ATTRIBUTES | DATE | G.C. SIGNATURE | |
|----------|--|------|----------------|-----------|
| | | | DATE | SIGNATURE |
| 9. | Trap, filter or separator installed per para. 3.3.4 | | | |
| 10. | Air supply free of contamination. | | | |
| 11. | Qualification of applicator (List Applicators): <i>M. Foley & Brush Application</i> | | | |
| 12. | Verify Mixing Operations per para. 3.2.2 b | | | |
| 13. | Coating Material Product Identification: <i>CZ-11</i> | | | |
| | a. Base Lot No.: <i>2A0074M</i> PART A: <i>NA</i> | | | |
| | b. Filler Lot No.: <i>3A5036M</i> | | | |
| | c. Thinner Lot No.: <i>2M3926M</i> | | | |
| | d. Time Mixed: <i>10:01 AM</i> | | | |
| 14. | Pressure pot agitated | | | |
| 15. | Pot life not exceeded | | | |
| 16. | Hose less than 75 feet. | | | |
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REMARKS: (DWGS, SPECS, ETC) Note: Temps. were taken from the 100° readings as Temp. was above 100°
 SP2 & 3 Small primer repair of Seal Table "A"
 Frame Loc. EL. 832 Room 156.
 OP 20308, OP 20260

RELATED NCR NO. NA | LR. CLOSED | DATE NA | SIGNATURE NA
 QC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

REF 1 of 2
NO. PC 100382

| | | | |
|--|--|---|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | | IDENTIFICATION NO. <i>*See Remarks</i> | SYSTEM / STRUCTURE DESIGNATION <i>ROR</i> |
| SPEC. NO. AS-31 | REV. 1 | REF. TO SPEC. & REV. & CHANGE NO. OI-OP-11.4-5 Rev. 13 | MEASURE OF TEST EQUIP. IDENT. NO. F946 2545 2310 196A 3280 |
| <input type="checkbox"/> IN PROCESS INSPECTION | <input type="checkbox"/> PRE-INSTALLATION VERIFICATION | <input checked="" type="checkbox"/> INSTALLATION INSPECTION | <input type="checkbox"/> FINAL INSPECTION |
| | | <input type="checkbox"/> PRETEST INSPECTION | |

INSPECTION RESULTS

INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Harold K Adams 4-13-83
QC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | SAT | UNSAT | DATE | QC SIGNATURE |
|--------------------------|--|-----|-------|------|--------------|
| | SEAL COAT FINISH COAT ✓ | | | | |
| | ORIGINAL ✓ REPAIR | | | | |
| 1. | RECORD ALL PROTECTIVE COATINGS UNIQUE OP & ID NO.'s: (FOR MULTIPLE ITEMS INDICATE IN "REMARKS" WITH CORRESPONDING DFT READINGS FROM ITEM #3 ABOVE) (PER A PARA. 3.1.1.a | | | | |
| 2. | VERIFY PRIMER CURE PER PARA. 3.1.1.c | | ✓ | | |
| 3. | PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d | | ✓ | | |
| 4. | PERFORM DFT OF PRIMER COAT PER PARA. 3.1.1.e (FOR MULTIPLE ITEMS INDICATE MIN. SPOT, MAX SPOT AND AVER - AGE DFT FOR EACH ITEM IN "REMARKS") | | ✓ | | |
| 5. | PERFORM VISUAL INSPECTIONS OF PREVIOUSLY COATED SURFACE PER PARA. 3.3.3. | | ✓ | | |
| 6. | VERIFY SURFACE PREPARATION ACCEPTABLE PER CCP30 OR CCP30A | | ✓ | | |
| 7. | AMBIENT CONDITIONS CHECKED PER PARA. 3.3.2. PRIOR TO COATING APPLICATION RECORD: DATE: <u>4-13-83</u> TIME: <u>2:15 PM</u> W.S. <u>68°</u> D.B. <u>100°</u> S.T. <u>101°</u> D.P. <u>47°</u> R.H. <u>17%</u> | | ✓ | | |
| 8. | VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: <u>H. Foley</u> | | ✓ | | |
| (CONTINUED ON NEXT PAGE) | | | | | |

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1.

NO. PC100382

| ITEM NO. | INSPECTION ATTRIBUTES | SAT. | | DATE | Q.C. SIGNATURE |
|----------|---|------|----|------|----------------|
| | | 7 | 11 | | |
| 9. | APPLICATION METHOD: SPRAY ✓ BRUSH ✓ | ✓ | ✓ | | |
| 10. | VERIFY AIR SUPPLY ACCEPTABLE PER PARA. 3.3.4 | ✓ | ✓ | | |
| 11. | VERIFY HOSE LENGTH IS LESS THAN 75 FT. | ✓ | ✓ | | |
| 12. | VERIFY MIXING OPERATIONS ARE PER CCP30 OR CCP30A AND PARA. 3.3.5 | ✓ | ✓ | | |
| 13. | COATING MATERIAL PRODUCT IDENTIFICATION: Phen 305 RECORD BATCH NUMBERS: 4312 PART A: 3A0173M PART B: 3A0058M THINNER: 2N3431M TIME MIXED: 12:57 pm DATE: 7-13-83 | ✓ | | | |
| 14. | VERIFY POT LIFE AS STATED IN CCP30 AND CCP30A IS NOT EXCEEDED PER PARA. 3.3.5.3 | ✓ | | | |
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REMARKS: (DWGS, SPECS, ETC.) * Finish coat original on steel table
"A" frame assembly. El. 832' Room 156
@ 20308, 20260

DET'S taken where applicable
min 2.5 2.5 3.0
max 4.0 4.5 4.0
avg 3.3 3.8 3.3

RELATED NCR NO. N/A IS I.R. CLOSED NTA DATE N/A SIGNATURE N/A INSPECTOR

2

COMMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

Sheet 1 of 2
PC 112084

| | | | |
|--|--|---|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | | IDENTIFICATION NO. 500 Remarks | SYSTEM/STRUCTURE DESIGNATION PCR#1 |
| SPECIFIC AS-31 | REV. 1 | APP. TO SPEC. & REV. & CHANGE NO. QI_QP-11.4-5 Rev. 14 | MEASURE OF TEST EQUIP. IDENT. NO. 1946, 1971, 3280 |
| <input type="checkbox"/> IN PROCESS INSPECTION | <input type="checkbox"/> PRE-INSTALLATION VERIFICATION | <input checked="" type="checkbox"/> INSTALLATION INSPECTION | <input type="checkbox"/> FINAL INSPECTION |
| | | | <input type="checkbox"/> PRE-TEST INSPECTION |

INSR RESULTS

- INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Cosandia R. May 4-20-83
QC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | SAF | INSTR | DATE | QC SIGNATURE |
|----------|---|-----|-------|------|--------------|
| 1. | For repair of sags and runs over 5.5 mils DFT, perform OFT Primer Coat in areas which have been sanded or screened per Para. 3.2.1 (for multiple items, indicate Min. Soot, Max. Soot and Average DFT with corresponding OP & ID No.'s for each item in "Remarks") RECORD: Minimum Soot Test: Maximum Spot Test: Average DFT: | W | | | |
| 2. | Abrasive acceptable per Para. 3.2.2.b | | | | |
| 3. | Separators installed, drained, and drains left partially open. | | | | |
| 4. | Air supply free of contamination. | | | | |
| 5. | Blasted or power-tooled surface and profile: 50-2 a. Surface and surrounding areas clean per Para. 3.2.2.d b. Surface free of foreign matter incl. grease & oil c. Sharp (non-rounded) projections removed d. Anchor pattern depth 1.0 mil, minimum e. Surface lightly abraded per Para. 3.2.3 f. Surface wiped clean per Para. 3.2.3 or 3.2.4 (Repairs Only) Unique Number stamped on piece(s). Record Unique Number(s) in "Remarks" below | ✓ | ✓ | | |
| 7. | Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: DATE: 4-20-83 TIME: 3:00 PM WET BULB TEMP: 66° DRY BULB TEMP: 90° RELATIVE HUMIDITY: 26% DEW POINT: 51° SURFACE TEMP: 91° | ✓ | | | |
| 8. | Substrate surface free of contaminants and less than 24 hours elapsed since blasting | ✓ | | | |

(CONTINUED ON NEXT PAGE)

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

01-OP-11.4-5 Rev. 1
Sheet 27 of 27

FOR FULL HEADINGS, SEE SHEET 1.

NO. PC 100484

| ITEM NO. | INSPECTION ATTRIBUTES | 7 | 8 | 9 | 10 | 11 | 12 | DATE | D. C. SIGNATURE |
|----------|---|---|---|---|----|----|----|------|-----------------|
| 9. | Trap, filter or separator installed per para. 3.3.4 | | | | | | | | |
| 10. | Air supply free of contamination. | | | | | | | | |
| 11. | Qualification of applicator (List Applicators:) | | | | | | | | |
| | M. Fraley | | | | | | | | |
| 12. | Verify Mixing Operations per para. 3.2.2 b | | | | | | | | |
| 13. | Coating Material Product Identification: | | | | | | | | |
| | a. Base Lot No.: 2L3946M PART A: N/A | | | | | | | | |
| | b. Filler Lot No.: BA5036M | | | | | | | | |
| | c. Thinner Lot No.: 2M3926M | | | | | | | | |
| | d. Time Mixed: 2:52 PM | | | | | | | | |
| 14. | Pressure not agitated | | | | | | | | |
| 15. | Pot life not exceeded | | | | | | | | |
| 16. | Hose less than 75 feet. | | | | | | | | |

REMARKS: (DIMS, SPEC, ETC)

SP-2 Primer Repair Seal Table A Frame Assy.
Small spots Az 265-270° E 832'
QP 20260, 20308

Pre prep Ambient

WB 66° DB 90° RH 26% DP 51° ST 91°

REVISIONS

N/A

LR. CLOSED N/A

DATE N/A

SIGNATURE

N/A

AGC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

DATE 1 2
NO. P-110503

| | | |
|--|---|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | CERTIFICATION NO. 522 K. MARKER | SYSTEM/STRUCTURE DESIGNATION HCB#1 INCORE INSTRUM. RM. |
| REV. 1 | REV. TO SPEC. & REV. & CHANGE NO. 01-OP-11.4-5 Rev. 14 | MEASURE OF EST. ESTABL. DATE 2545 2564 2499 1971 143M |
| <input type="checkbox"/> IN PROCESS INSPECTION | <input type="checkbox"/> PRE-INSTALLATION VERIFICATION | <input type="checkbox"/> INSTALLATION INSPECTION |
| <input type="checkbox"/> FINAL INSPECTION | <input type="checkbox"/> PRE-TEST INSPECTION | |

USER RESULTS
 INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW
 Signature: *Trinity Wilber* 4-23-83
 QC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | DAY | INITIAL | DATE | QC SIGNATURE |
|----------|--|-----|---------|------|--------------|
| | SEAL COAT FINISH COAT ✓ | | | | |
| | ORIGINAL REPAIR ✓ | | | | |
| 1. | RECORD ALL PROTECTIVE COATINGS UNIQUE OP & ID NO. (FOR MULTIPLE ITEMS INDICATE IN "REMARKS" WITH CORRESPONDING DFT READINGS FROM ITEM #3 ABOVE) PER PARA. 3.1.1.a | | | | |
| A | OP20265 OP20260 OP20308 | | | | |
| 2. | VERIFY PRIMER CURE PER PARA. 3.1.1.c | | | | |
| 3. | PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d ✓ | | | | |
| 4. | PERFORM DFT OF PRIMER COAT PER PARA. 3.1.1.e (FOR MULTIPLE ITEMS INDICATE MIN. SPOT, MAX SPOT AND AVERAGE DFT FOR EACH ITEM IN "REMARKS") ✓ | | | | |
| 5. | PERFORM VISUAL INSPECTIONS OF PREVIOUSLY COATED SURFACE PER PARA. 3.3.3. ✓ | | | | |
| 6. | VERIFY SURFACE PREPARATION ACCEPTABLE PER CCP30 OR CCP30A ✓ | | | | |
| 7. | AMBIENT CONDITIONS CHECKED PER PARA. 3.3.2. PRIOR TO COATING APPLICATION ✓ RECORD: 4-23-83 DATE: 4-23-83 TIME: 1:10 A.M. W.B. 67° D.B. 90° S.T. 98° O.P. 53° R.H. 29% | | | | |
| 8. | VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. ✓ LIST: J. DLOUHY, J. CLAMP | | | | |
| | (CONTINUED ON NEXT PAGE) | | | | |

COMANCHE PEAK STEAM ELECTRIC STATION INSPECTION REPORT

(SUPPLEMENTAL)

Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1.

NO. PC 100503

| ITEM NO. | INSPECTION ATTRIBUTES | BAY | LINEAL | DATE | O. C. SIGNATURE |
|--|--|------------|-------------------------------------|------|----------------------------|
| 9. | APPLICATION METHOD: SPRAY <input checked="" type="checkbox"/> BRUSH <input checked="" type="checkbox"/> | | | | |
| 10. | VERIFY AIR SUPPLY ACCEPTABLE PER PARA. 3.3.4 | | | | |
| 11. | VERIFY HOSE LENGTH IS LESS THAN 75 FT. | | | | |
| 12. | VERIFY MIXING OPERATIONS ARE PER CCP30 OR CCP30A AND PARA. 3.3.5 | | | | |
| 13. | COATING MATERIAL PRODUCT IDENTIFICATION: <u>PHEN-305</u> RECORD BATCH NUMBERS. Color <u>2000-2753</u> <u>4312</u> PART A: <u>3B0480M</u> PART B: <u>3B0363M</u> THINNER: <u>3C0889M</u> TIME MIXED: <u>1:20 A.M.</u> DATE: <u>4-23-83</u> | | | | |
| 14. | VERIFY POT LIFE AS STATED IN CCP30 AND CCP30A IS NOT EXCEEDED PER PARA. 3.3.5.3 | | | | |
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| <p>REMARKS: (DIMS, SPEC, ETC) Finish coat repair (overscot to existing phenoline and over areas of primer repair) was performed on the following:</p> <p>⊗ SEAL TABLE "A" FRAME (EXCLUDING NUTS, BOLTS, & PINS ON WHEEL ASSY.) AND "A" FRAME SUPPORT GIRDERS</p> <p>⊗⊗ DFT'S MIN - 2.5 MAX - 4.0 AVG 3.7</p> | | | | | |
| RELATED | NG/NG <u>N/A</u> | LR. CLOSED | <input type="checkbox"/> <u>N/A</u> | DATE | SIGNATURE |
| | | | | | <u>N/A</u> QC INSPECTOR |

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

102
 01100545

| | | |
|---|--|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | IDENTIFICATION NO. 300 Remarks | SYSTEM/STRUCTURE DESIGNATION ROR #1 |
| DATE AS-31 | REV. NO. & REV. & CHANGE NO. QI QP-11.4-5 Rev. 10 | MEASURE OF EST. ESTIM. COST NO. 1972, 2498, 2280 |

IN PROGRESS INSPECTION
 PRE-INSTALLATION VERIFICATION
 INSTALLATION INSPECTION
 FINAL INSPECTION
 PRE-TEST INSPECTION

INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 Casandra L. Owen 4-25-83
 QC INSPECTOR DATE

INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

| ITEM NO. | INSPECTION ATTRIBUTES | SAF | INITIAL | DATE | QC SIGNATURE |
|----------|--|-----|---------|------|--------------|
| 1. | For repair of sags and runs over 5.5 mils OFT, perform OFT Primer Coat in areas which have been sanded or screened per Para. 3.2.1 (for multiple items, indicate Min. Soot, Max. Soot and Average OFT with corresponding QP & ID No.'s for each item in "Remarks") RECORD: Minimum Soot Test: Maximum Soot Test: Average OFT: | NA | NA | | |
| 2. | Abrasive acceptable per Para. 3.2.2 b | | | | |
| 3. | Separators installed, drained, and drains left partially open. | | | | |
| 4. | Air supply free of contamination. | NA | | | |
| 5. | Blasted or power-tooled surface and profile: SP-2 | U | | | |
| a. | Surface and surrounding areas clean per Para. 3.2.2.d | U | | | |
| b. | Surface free of foreign matter incl. grease & oil | U | | | |
| c. | Sharp (non-rounded) projections removed | U | | | |
| d. | Anchor pattern depth 1.0 mil, minimum | U | | | |
| e. | Surface lightly abraded per Para. 3.2.3 | U | | | |
| f. | Surface wiped clean per Para. 3.2.3 or 3.2.4 | U | | | |
| | (Repairs Only) | | | | |
| 6. | Unique Number stamped on piece(s). Record Unique Number(s) in "Remarks" below | U | | | |
| 7. | Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: DATE: 4-25-83 TIME: 3:40 PM WET BULB TEMP: 64° DRY BULB TEMP: 88° RELATIVE HUMIDITY: 25% DEW POINT: 47° SURFACE TEMP: 90° | U | | | |
| 8. | Substrate surface free of contaminants and less than 24 hours elapsed since blasting | U | | | |

(CONTINUED ON NEXT PAGE)

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

QI-QP-11.4-5 Rev. 14
Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1.

NO. PC 100545

| ITEM NO. | INSPECTION ATTRIBUTES | TEST | UNSAT. | DATE | I. C. SIGNATURE |
|----------|---|------|--------|------|-----------------|
| 9. | Trap, filter or separator installed per para. 3.3.4 | NA | | | |
| 10. | Air supply free of contamination. | NA | | | |
| 11. | Qualification of applicator (List Applicators: T. Donley - Brush | ✓ | | | |
| 12. | Verify Mixing Operations per para. 3.2.2 b | ✓ | | | |
| 13. | Coating Material Product Identification: CZ-11 | ✓ | | | |
| | a. Base Lot No.: 2L3846M PART A: N/A | | | | |
| | b. Filler Lot No.: 3A5036M | | | | |
| | c. Thinner Lot No.: 2M3926M | | | | |
| | d. Time Mixed: 1:02 PM | | | | |
| 14. | Pressure not agitated | NA | | | |
| 15. | Pot life not exceeded | NA | | | |
| 16. | Hose less than 75 feet. | NA | | | |

REMARKS: (OWNER, SPECIAL, ETC.)
 sp-2 Primer Repair to 2 spots (Brushed)
 on seal Table A Frame Assy. QP 20260, 20308
 Az 265-270 el 83a Rm 150

Pre prep Ambient
 DB 88° DP 47°
 WB 64° RH 25%
 ST 90°

REVISION NO. 1 / 1 | I. C. SIGNATURE N/A | DATE N/A | I. C. SIGNATURE N/A | DATE N/A

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

PAGE 1 OF 2
NO. PC100572

ITEM DESCRIPTION: PROTECTIVE COATINGS
IDENTIFICATION NO.: SEE REMARKS
SYSTEM / STRUCTURE DESIGNATION: PC-B-1
SPEC. NO.: AS-31
REV.: 1
REF. TO SPEC. & REV. & CHANGE NO.: OI-OP-11.4-5 Rev. 14
MEASURE BY TEST EQUIP. / CERT. NO.: 2497, 1472, 3059, 1433, 2570, 244

IN PROCESS INSPECTION
 PRE-INSTALLATION VERIFICATION
 INSTALLATION INSPECTION
 FINAL INSPECTION
 PRE-TEST INSPECTION

INSPECTION RESULTS:
 INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW
QC INSPECTOR: *D. Williams* DATE: 4/26/85

| ITEM NO. | INSPECTION ATTRIBUTES | SAF | INSTR | DATE | QC SIGNATURE |
|----------|--|-----|-------|------|--------------|
| | SEAL COAT | | | | |
| | FINISH COAT | | | | |
| | ORIGINAL | | | | |
| | REPAIR | | | | |
| 1. | RECORD ALL PROTECTIVE COATINGS UNIQUE OP & ID-NO.'S (FOR MULTIPLE ITEMS INDICATE IN REMARKS WITH CORRESPONDING DFT READINGS FROM ITEM #3 ABOVE) PER PARA. 3.1.1. a | | | | |
| 2. | VERIFY PRIMER CURE PER PARA. 3.1.1. c | | | | |
| 3. | PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1. d | | | | |
| 4. | PERFORM DFT OF PRIMER COAT PER PARA. 3.1.1. e (FOR MULTIPLE ITEMS INDICATE MIN. SPOT, MAX SPOT AND AVERAGE DFT FOR EACH ITEM IN REMARKS) | | | | |
| 5. | PERFORM VISUAL INSPECTIONS OF PREVIOUSLY COATED SURFACE PER PARA. 3.3.3. | | | | |
| 6. | VERIFY SURFACE PREPARATION ACCEPTABLE PER CCP30 OR CCP30A | | | | |
| 7. | AMBIENT CONDITIONS CHECKED PER PARA. 3.3.2. PRIOR TO COATING APPLICATION RECORD: N/A DATE: 4/26/85 TIME: 10:30am W.B. 76 D.B. 93 S.T. 94 O.P. 69 R.H. 46 | | | | |
| 8. | VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: P. RAMIREZ | | | | |

(CONTINUED ON NEXT PAGE)

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1

NO. PC100572

| ITEM NO. | INSPECTION ATTRIBUTES | DAY | UNSAT | DATE | G.C. SIGNATURE |
|----------|---|-------------------------------------|-------|------|----------------|
| 9. | APPLICATION METHOD: <input checked="" type="checkbox"/> SPRAY <input type="checkbox"/> BRUSH | <input checked="" type="checkbox"/> | | | |
| 10. | VERIFY AIR SUPPLY ACCEPTABLE PER PARA. 3.3.4 | <input checked="" type="checkbox"/> | | | |
| 11. | VERIFY HOSE LENGTH IS LESS THAN 75 FT. | <input checked="" type="checkbox"/> | | | |
| 12. | VERIFY MIXING OPERATIONS ARE PER CCP30 OR CCP30A AND PARA. 3.3.5 | <input checked="" type="checkbox"/> | | | |
| 13. | COATING MATERIAL PRODUCT IDENTIFICATION: <i>Phen 305 (4312)</i> RECORD BATCH NUMBERS: PART A: <i>2B0490M</i> PART B: <i>2B0363M</i> THINNER: <i>2M3031M</i> TIME MIXED: <i>11:27 AM</i> DATE: <i>4/26/83</i> | <input checked="" type="checkbox"/> | | | |
| 14. | VERIFY POT LIFE AS STATED IN CCP30 AND CCP30A IS NOT EXCEEDED PER PARA. 3.3.5.3 | <input checked="" type="checkbox"/> | | | |

WASHERS

REMARKS: (COVER, SPEC, ETC) *NUTS, BOLTS, AND PINS ON WHOLE ASSEMBLY OF SEAL TABLE A FRAME AND 2 SPOT REPAIRS TO SEAL TABLE A FRAME BL 832'6" QP 20205, 20260, 20308 IN INDOOR INST. ROOM WERE FINISH COATED (RECOAT)*

NOTE! AREAS REPAIRED WERE INITIALLY REJECTED DUE TO SURFACE RUST UNDER COATING. RECEIVED INSTRUCTION THAT THIS CONDITION HAS BEEN DETERMINED TO BE ANOTHER SUBSTANCE (D-6 PRIMER) Ref. PC 47854 OR 472649.3

DFT'S
MIN 2.5 MAX 4.0
AUG 3.5
MIN 2.0 MAX 4.5
AUG 3.0

RELATED SCR NO. *NTA* L.R. CLOSED *N/A* DATE SIGNATURE *N/A*
GC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

DATE 1-22-83
NO. PC100607

| | | |
|--|--|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | CONTRACT NO. See Remarks | SYSTEM/STRUCTURE DESIGNATION 250-1 |
| SYMBOL AS-31 | REV. OI-OP-11.4-5 Rev. 14 | DATE OF TEST 2497 8/14/83 2014 |
| <input type="checkbox"/> IN PROCESS INSPECTION | <input type="checkbox"/> PRE-INSTALLATION VERIFICATION | <input checked="" type="checkbox"/> INSTALLATION INSPECTION |
| <input type="checkbox"/> FINAL INSPECTION | <input type="checkbox"/> PRE-TEST INSPECTION | |

INSPECTION RESULTS
 INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
 INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW
 J. M. Chenier 4-25-83
 GC INSPECTOR DATE

| ITEM NO. | INSPECTION ATTRIBUTES | INITIALS | DATE | GC SIGNATURE |
|----------|---|----------|------|--------------|
| | SEAL COAT | | | |
| | FINISH COAT | | | |
| | ORIGINAL | | | |
| | REPAIR | | | |
| 1. | RECORD ALL PROTECTIVE COATINGS UNIQUE OP & ID NO.'S: (FOR MULTIPLE ITEMS INDICATE IN "REMARKS" WITH CORRESPONDING DFT READINGS FROM ITEM #3 ABOVE) PER A PARA. 3.1.1.a | | | |
| 2. | VERIFY PRIMER CURE PER PARA. 3.1.1.c | N/A | | |
| 3. | PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d | N/A | | |
| 4. | PERFORM DFT OF PRIMER COAT PER PARA. 3.1.1.e (FOR MULTIPLE ITEMS INDICATE MIN. SPOT, MAX SPOT AND AVER - AGE DFT FOR EACH ITEM IN "REMARKS") | N/A | | |
| 5. | PERFORM VISUAL INSPECTIONS OF PREVIOUSLY COATED SURFACE PER PARA. 3.3.3. | | | |
| 6. | VERIFY SURFACE PREPARATION ACCEPTABLE PER CCP30 OR CCP30A | | | |
| 7. | AMBIENT CONDITIONS CHECKED PER PARA. 3.3.2. PRIOR TO COATING APPLICATION RECORD: DATE: 4-28-83 TIME: 10:00 W.B. 77° D.B. 95° S.T. 4.8 S.P. 70° R.H. 43% | | | |
| 8. | VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: M. Freley, D. Ethridge, T. Doolley D. Clark | | | |
| | (CONTINUED ON NEXT PAGE) | | | |

**CEMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT**

(SUPPLEMENTAL)

Sheet 1 of 2

FOR FULL HEADINGS, SEE SHEET 1.

NO. PC 100607

| ITEM NO. | INSPECTION ATTRIBUTES | SAT. | UNSAT. | DATE | G.C. SIGNATURE |
|----------|---|------|--------|------|----------------|
| 9. | APPLICATION METHOD: | ✓ | | | |
| | SPRAY BRUSH ✓ | | | | |
| 10. | VERIFY AIR SUPPLY ACCEPTABLE PER PARA. 3.3.4 | N/A | | | |
| 11. | VERIFY HOSE LENGTH IS LESS THAN 75 FT. | N/A | | | |
| 12. | VERIFY MIXING OPERATIONS ARE PER CCP30 OR CCP30A AND PARA. 3.3.5 | ✓ | | | |
| 13. | COATING MATERIAL PRODUCT IDENTIFICATION: <u>oh, 205 4312</u> ✓ | | | | |
| | RECORD BATCH NUMBERS: | | | | |
| | PART A: <u>3A 01773m</u> | | | | |
| | PART B: <u>3A 0058m</u> | | | | |
| | THINNER: <u>2m 3931m</u> | | | | |
| | TIME MIXED: <u>9:41 AM</u> DATE: <u>4-28-83</u> | | | | |
| 14. | VERIFY POT LIFE AS STATED IN CCP30 AND CCP30A IS NOT EXCEEDED PER PARA. 3.3.5.3 | ✓ | | | |

REMARKS: (DIMS, SPEC, ETC.) *Finish Coat Repair Edges & Welds for discontinuities. Seal Table A Frame Assembly. Room #155 EL-832. QP # 20265, 20260, 20308*

RELATED NO. N/A LR. CLOSED DATE N/A SIGNATURE N/A QC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

REV. 1 OF 2
NO. PC100653

| ITEM DESCRIPTION PROTECTIVE COATINGS | | CENTRAL NO. See Remarks | SYSTEM STRUCTURE DESIGNATION RBH1 |
|---|--|---|---|
| SPEC. NO. AS-31 | REV. 1 | APP. TO SPEC. & REV. & CHANGE NO. OI-OP-11.4-5 Rev. 14 | INSPECTION NO. 4604249743280 |
| <input type="checkbox"/> IN PROCESS INSPECTION | <input type="checkbox"/> PRE-INSTALLATION VERIFICATION | <input checked="" type="checkbox"/> INSTALLATION INSPECTION | <input type="checkbox"/> FINAL INSPECTION |
| USER RESULTS | | QC INSPECTOR: <i>[Signature]</i> DATE: 4/21/83 | |
| <input checked="" type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY | | | |
| <input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW | | | |
| ITEM NO. | INSPECTION ATTRIBUTES | | QC SIGNATURE |
| | SEAL COAT | FINISH COAT | |
| | ORIGINAL | REPAIR | |
| 1.* | RECORD ALL PROTECTIVE COATINGS UNIQUE OP & PD NO.'s: (FOR MULTIPLE ITEMS INDICATE IN "REMARKS" WITH CORRESPONDING OBT READINGS FROM ITEM #3 ABOVE) PER | | |
| A | PARA. 3.1.1.a | | |
| 2. | VERIFY PRIMER CURE PER PARA. 3.1.1.c | | |
| 3. | PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d | | |
| 4. | PERFORM OBT OF PRIMER COAT PER PARA. 3.1.1.e (FOR MULTIPLE ITEMS INDICATE MIN. SPOT, MAX SPOT AND AVERAGE DET FOR EACH ITEM IN "REMARKS") | | |
| 5. | PERFORM VISUAL INSPECTIONS OF PREVIOUSLY COATED SURFACE PER PARA. 3.3.3. | | |
| 6. | VERIFY SURFACE PREPARATION ACCEPTABLE PER CCP30 OR CCP30A | | |
| 7. | AMBIENT CONDITIONS CHECKED PER PARA. 3.3.2. PRIOR TO COATING APPLICATION | | |
| | RECORD: DATE: 4/21/83 TIME: 4:50 PM W.B. 79 O.B. 96 S.T. 93 O.P. 72 R.H. 4790 | | |
| 8. | VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. | | |
| | LIST: M. Foley | | |
| (CONTINUED ON NEXT PAGE) | | | |

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

Sheet 5 of 2

FOR FULL HEADINGS, SEE SHEET 1

NO. PC100650

| ITEM NO. | INSPECTION ATTRIBUTES | SAT. | UNSAT. | DATE | O.C. SIGNATURE |
|----------|--|------|--------|------|----------------|
| | | | | | |
| 9. | APPLICATION METHOD: SPRAY BRUSH ✓ | | | | |
| 10. | VERIFY AIR SUPPLY ACCEPTABLE PER PARA. 3.3.4 | ✓ | | | |
| 11. | VERIFY HOSE LENGTH IS LESS THAN 75 FT. | ✓ | | | |
| 12. | VERIFY MIXING OPERATIONS ARE PER CCP30 OR CCP30A AND PARA. 3.3.5 | ✓ | | | |
| 13. | COATING MATERIAL PRODUCT IDENTIFICATION: <i>Chim 305</i> RECORD BATCH NUMBERS: <i>5450</i> PART A: <i>3 B 04 P 0 M</i> PART B: <i>3 B 03 63 M</i> THINNER: <i>3 P 0 P 0 0 M</i> TIME MIXED: <i>8:45 AM</i> DATE: <i>4/30/83</i> | | | | |
| 14. | VERIFY POT LIFE AS STATED IN CCP30 AND CCP30A IS NOT EXCEEDED PER PARA. 3.3.5.3 | ✓ | | | |

REMARKS: (DIMS, SPEC, ETC.)

spot repair on the following Item.
Conduit Support.

C14K0445B-1 ELU840-N2270-9P00457
C13K04457-1 ELU850-N2270-9P00457

A. FRAME

*9P00265 ELU840 N2270
9P00260
9P0030B

RELATED NO. TO: *N/A* | L.R. CLOSED: | DATE: *4/30* | SIGNATURE: *[Signature]*
INSPECTOR

TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 48

- a) Were the expansion joints coated?
- b) If so, provide total area involved and the method of estimation.
- c) Is this area in the CEL and what document caused it to be included?

Response:

- a) Yes, some expansion joints have been coated.
- b) The total area of the expansion joints is approximately 125 ft². This estimate was based on drawing number 2323-S1-0519.
- c) Yes, it has been added by Engineering.

TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 49

- a) Identify procedures which address "screening."
- b) Identify documents that provide inspection requirements and acceptance criteria for overspray.
- c) Will the final QC walkdown include inspection for this item?

Response:

- a) The procedures which address screening are CCP-30, CCP-30A, CCP-40, QI-QP-11.4-5, QI-QP-11.4-10, QI-QP-11.4-26 and QI-QP-11.4-27.
- b) Specification AS-31 and the procedures listed in 49a (above) list acceptance criteria for overspray.
- c) The final QC inspection will address this item.

TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 51

- a) Identify any NCR's attributable to 50/50 mix of Phenoline 305 with thinner.
- b) Identify inspection procedure for determining that Tooke gauge blades are dull or that specify when a used blade should be replaced.

Response:

- a) None exist.
- b) No procedure exists.

TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 52

- a) Identify NCR's/IR's referred to in your response.

Response:

- a) NCR's C-84-00206 and C84-00923. Inspection reports are available for review, but specific numbers have not been recorded.

TX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 53

- a) Identify procedures that govern RFIC's.
- b) Provide a copy of rescinding order referred to in your response.

Response:

- a) There is no formal procedure which governs the use of RFIC's.
- b) The "rescinding order" was also verbal.

TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 55

- a) Identify the DCA's referred to in your response.
- b) Are these areas in your CEL? What is the total area involved? Explain the basis for the area.

Response:

- a) The response provided indicates that "if engineering accepts the unsatisfactory conditions via a DCA.....". Examples where this occurred are DCA's 11868, 12027, 12132, 12518, 13156 (attached).
- b) Yes, these areas are on the exempt log. Areas are described on the DCA which was generated from input from QC.

TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 57

- a) Identify IR's for Unit 2 area described.
- b) Identify IR's for Unit 1 area described in your response.

Response:

- a) Copies of IRs are attached.
- b) Copies of IRs are attached.

STEEL PROTECTIVE COATING INSPECTION TRAVELER

WORK PKG. # 1-19-F PCI TRAVELER # U1-001614
 ELEVATION: 260' ITEM # / DESCRIPTION Rollaway
 REF DWGS.: PFG-R1E-503-03 SH#1 MISSILE SHIELD

PREPARED BY: James Uehlin DATE 2-23-84 Sheet 1 of 3

Attached to
 11600 6/10/84
 response to
 A# 57

| | |
|---------------|---|
| STEP 1 | SURFACE PREPARATION INSPECTED AND FOUND ACCEPTABLE PER QI-QP II.4-26 AND RELEASED FOR PRIMER APPLICATION. INSPECTOR <u>Donald S. Williams</u> DATE <u>1-29-84</u> COMMENTS <u>By NCR 284-20071 - 284-20070 In: 1 total strip to this area 1-29-84</u> |
| STEP 2 | PRIMER APPLICATION INSPECTED AND FOUND ACCEPTABLE PER QI-QP II.4-26 AND RELEASED FOR FINISH COAT APPLICATION. INSPECTOR <u>Michael Fealey</u> DATE <u>1-31-84</u> COMMENTS <u>1/2 MCF 1-31-84</u> |
| STEP 3 | FINISH COAT APPLICATION INSPECTED AND FOUND ACCEPTABLE PER QI-QP II.4-26 INSPECTOR <u>Cindy Dittmer</u> DATE <u>2/6/84</u> COMMENTS <u>N/A CD 2/6/84</u> |
| STEP 4 | FINISH COAT INSPECTED FOR FINAL ACCEPTANCE AND FOUND ACCEPTABLE PER QI-QP II.4-26 INSPECTOR <u>Cindy Dittmer</u> DATE <u>2/13/84</u> COMMENTS <u>N/A 2/13/84 CD</u> COMPLETION OF THIS STEP SATISFIES DISPOSITIONS OF NCR'S 284-20071-20070 2-24-84 James Uehlin |
| STEP 5 | COMPLETION OF INSPECTION TRAVELER VERIFIED. QC REVIEW <u>James Uehlin</u> DATE <u>2-24-84</u> COMMENTS <u>REVIEWED FOR COMPLETION ONLY. ENTRIES #1 THRU #43.</u> |
| NOTES | 1) DOCUMENT INSPECTION ATTRIBUTES ON ATTACHED SUPPORTING DOCUMENTATION SHEET(S) 2) DOCUMENT REPAIRS AND ATTRIBUTES, IF REQUIRED, ON ATTACHED SUPPORTING DOCUMENTATION SHEET(S) 3) FOR ENVIRONMENTAL CONDITIONS REFERENCE THE ENVIRONMENTAL LOG. |

PROTECTIVE COATING INSPECTION TRAVELER SUPPORTING DOCUMENTATION

WORK PKG. NO. 1-19-E

PCI TRAVELER NO. U1-001614

| ENTRY # | STEP | APPLICATORS QUALIFIED | BATCH LOG # | MIN DFT | MAX DFT | AVG DFT | INSTR USED | LOC ID | SAT UNSAT | INSP SIGNATURE | DATE | TIME | COMMENTS |
|---------|------|--|--------------------|---------|---------|---------|--------------|------------|-----------|------------------|---------|----------|--|
| 1 | 4 | N/A | N/A | N/A | N/A | N/A | 27H3 2501 | 1/2 | UNSAT | Richard Taylor | 1/6/84 | 2:00 PM | LOW MILS 2 AREAS UNSAT FOR FINAL - SEE DWG |
| 2 | 3 | S274, FB12 | 1-6-05 | N/A | N/A | N/A | N/A | 1/2 | SAT | Richard Taylor | 1/6/84 | 2:30 PM | F/C SPOT REPAIRS TO ITEM 1 & OTHER SEE DWG |
| 3 | 4 | N/A | N/A | 6.0 | 12.0 | 8.3 | 27H3 2501 | 1/2 | SAT | Richard Taylor | 1/6/84 | 2:30 PM | F/C FINAL ACCEPTANCE - SEE DWG ENTIRE ITEM HEAD SWIRE |
| 4 | 4 | S274, FB12 | 1-6-06 | N/A | N/A | N/A | N/A | 1/2 | SAT | Richard Taylor | 1/6/84 | 2:30 PM | FINAL SPOT F/C REPAIR |
| 5 | 3 | 1735, IS38 | 1-6-31 | N/A | N/A | N/A | N/A | 3 | SAT | Michael Taylor | 1/6/84 | 4:30 PM | SAT FR REPAIRS TO INTERIOR SURFACES OF KICK PLATE - ENTIRE CIRCUMFERENCE. ALSO WEST END HANDRAIL ASSY. SEE DWG FINISH @ 1:30 |
| 6 | 4 | N/A | N/A | 8.0 | 9.0 | 8.5 | 27H3 2501 | SEE COMM | SAT | Richard Taylor | 07/1/84 | 9:30 AM | F/C FINAL 2 AREAS. NO REINSP REQD SEE DWG |
| 7 | 4 | S274 | 1-9-08 | N/A | N/A | N/A | 27H3 2501 | SEE COMM | SAT | Richard Taylor | 1/9/84 | 1:00 PM | FINAL AG. FINISH KICK PLATES & WEST END HANDRAIL. NO REINSP REQD SEE DWG * DATE 12/84 |
| 8 | 1 | N/A | N/A | N/A | N/A | N/A | N/A | 4 | SAT | Richard Taylor | 1/9/84 | 3:00 PM | SP 2 SPOT REPAIRS - SEE ATTACHMENT |
| 9 | 2 | S274/FB12 | 1-9-08 | N/A | N/A | N/A | N/A | 4 | SAT | Richard Taylor | 1/9/84 | 4:45 PM | PIR TO #4 AREAS - SEE ATTACHMENT |
| 10 | 2 | N/A | N/A | N/A | N/A | N/A | N/A | 4:5 | SAT | Richard Taylor | 1/9/84 | 3:30 PM | SPOT PRIMER SAT VISUAL PER DCA #11,421 |
| 11 | 3 | 8055 | 1-10-10 | N/A | N/A | N/A | N/A | 4:5 | SAT | Richard Taylor | 1/10/84 | 5:00 PM | F/C REPAIR - ENTIRE CHECKER PL PER DCA 11,421 |
| 12 | 3 | 1735, IS38 | 1-11-30 1-12-01 | N/A | N/A | N/A | N/A | 6 | SAT | Michael Taylor | 1/12/84 | 3:50 AM | FK REPAIR TO AREA #6 REFERENCE NCR-C-BA-000911 - SEE DWG #2 |
| 13 | 1 | N/A | N/A | N/A | N/A | N/A | N/A | SEE COMM | SAT | Richard Taylor | 1/24/84 | 3:35 AM | SURFACE PREP ACC. ON TOTAL REF C-BA-000911 AREA OF CHECKER PLATE NCR-C-BA-000919 REF |
| 14 | 2 | 1735, IS38, E.17E E.37E, E.42E, E.44E | 1-24-84 | N/A | N/A | N/A | N/A | SEE COMM | SAT | Richard Taylor | 1/24/84 | 4:15 AM | PRIMER APP. TO AREA NCR-C-BA-000911 REF |
| 15 | 1 | N/A | N/A | N/A | N/A | N/A | N/A | KICK PLATE | SAT | Charles Wilkintz | 1/30/84 | 11:00 AM | SP 3 SPOTS |
| 16 | 2 | 8055 | 1-30-09 | N/A | N/A | N/A | N/A | KICK PLATE | SAT | Charles Wilkintz | 1/30/84 | 1:30 PM | CZ-11 APP TO ABOVE SPOTS 1:30 PM COMPLETED |
| 17 | 2 | N/A | N/A | 2.0 | 4.5 | 3.0 | 27H3 2501 | SEE COMM | SAT | Richard Taylor | 1/30/84 | 12:00 AM | DFT'S FOR KICK PLATE - VISUAL INSP ON CHECKER PLATE |
| 18 | 3 | S274, E.17E 1507, U150 | 1-31-05 1-31-05 | N/A | N/A | N/A | N/A | SEE COMM | SAT | Michael Taylor | 1/31/84 | 3:45 AM | AREA - ENTIRE CHECKER PLATE INCL. SP. RECCAT SPOTS & FLAT SIDE OF KICK PL. |
| 19 | 3 | N/A | N/A | N/A | N/A | N/A | N/A | UNSAT | UNSAT | Michael Taylor | 1/31/84 | 4:00 AM | UNSAT - EXCESSIVE AIRBORNE CONTAMINATION - ALL FK REMOVED BY SOLVENT WIFE |
| 20 | 2 | N/A | N/A | N/A | N/A | N/A | N/A | KICK PLATE | SAT | Charles Wilkintz | 1/31/84 | 11:00 AM | VISUAL INSPECTION OF PRIMER AREAS ON CHECKER PLATE |
| 21 | 3 | FA71, FG38 FB12, FC55 | 1-31-12 | N/A | N/A | N/A | N/A | UNSAT | UNSAT | Charles Wilkintz | 1/31/84 | 12:00 AM | APP OF F/C - EXCESSIVE CONTAMINATION SOLVENT REMOVAL |
| 22 | 2 | N/A | N/A | 3.0 | 5.0 | 4.0 | 27H3 2501 | KICK PLATE | SAT | Charles Wilkintz | 1/31/84 | 11:00 AM | INSPECTION OF PRIMER SPOTS KICK PLATE |
| 23 | 3 | 8055 | 1-31-12 | N/A | N/A | N/A | N/A | UNSAT | UNSAT | Charles Wilkintz | 1/31/84 | 11:30 AM | F/C APP UNSAT - EXCESSIVE CONTAMINATION - SOLVENT REMOVAL |
| 24 | 2 | N/A | N/A | N/A | N/A | N/A | N/A | KICK PLATE | SAT | Charles Wilkintz | 1/31/84 | 3:00 PM | VISUAL INSPECTION OF PRIMER AND SP 2 F/C AREAS |
| 25 | 3 | 8055, FB12 | 1-31-12 | N/A | N/A | N/A | N/A | UNSAT | UNSAT | Charles Wilkintz | 1/31/84 | 10:00 PM | SPRAY APP (FK) INCLUDES SP 2 RECCAT AREAS |

(STEEL)
 PROTECTIVE COATING INSPECTION TRAVELER SUP RTING DOCUMENTATION

WORK PKG. NO. 1-111

SHEET 2 OF 3

PCI TRAVELER NO. 11-001614

| ENTRY # | STEP | APPLICATORS QUALIFIED | BATCH LOG # | MIN DFT | MAX DFT | AVG DFT | INSTR USED | LOC ID | SAT UNSAT | INSP SIGNATURE | DATE | TIME | COMMENTS |
|---------|------|-----------------------|-------------|---------|---------|---------|------------------|------------|-----------|-----------------|---------|-------------------------|--|
| 26 | 2 | N/A | N/A | 3.0 | 5.0 | 4.0 | 281P, 2573 | KICK PLATE | SAT | Charles Wickste | 1/31/84 | 3:00 PM | INSPECTION OF PRIMER SPOTS |
| 27 | 3 | 8055/FB 12 | 1-31-12 | N/A | N/A | N/A | N/A | ↓ | SAT | Charles Wickste | 1/31/84 | TURN OVER TO SUPERVISOR | F/C APP (SPRAY) |
| 28 | 3 | 9735/5036 | 1-31-12 | N/A | N/A | N/A | N/A | SEE COMM | SAT | Michael Fording | 1/31/84 | 8:00 AM | TURNOVER INFO - ENTRIES # 25727 AREAS CHECKER PLATE & KICK PLATE |
| 29 | 3 | 054F 5036 | 2-3-03 | N/A | N/A | N/A | N/A | ↓ | SAT | Michael Fording | 2/3/84 | 4:00 AM | F/C RECOAT TO ISOLATED AREAS - ENTIRE CHECKER PLATE & KICK PLATE |
| 30 | 1 | N/A | N/A | N/A | N/A | N/A | N/A | 4 A | SAT | Charles Wickste | 2/3/84 | 11:00 AM | INSP. OF SURF PREP 1 SMALL SPOT REF. MAP #1 |
| 31 | 2 | FB 12 | 2-3-03 | N/A | N/A | N/A | N/A | 4 A | SAT | Charles Wickste | 2/3/84 | 11:15 AM | PRIMER APP. (191) 1 SMALL SPOT |
| 32 | 3 | 8055 | 2-3-03 | N/A | N/A | N/A | N/A | 4 | SAT | Charles Wickste | 2/3/84 | 1:00 PM | F/C RECOAT. LOW MILS |
| 33 | 2 | N/A | N/A | 5.5 | 5.5 | 5.5 | 2891, 2827 | 4 A | SAT | Cindy Dittmer | 2/6/84 | 3:30 PM | INSPECTION OF PRIMER 1 DEF. READINGS |
| 34 | 3 | 8055 | 2-6-03 | N/A | N/A | N/A | N/A | 4 A | SAT | Cindy Dittmer | 2/6/84 | 4:30 AM | F/C APP. |
| 35 | 4 | N/A | N/A | 10.0 | 15.0 | 13.0 | 2891, 2827 | 4 | SAT | Cindy Dittmer | 2/6/84 | 2:00 PM | ADJ. MITE INFO 1814 F/C FINAL INSPECTION |
| 36 | 4 | N/A | N/A | 10.0 | 14.0 | 12.0 | 2891, 2827, 1814 | SEE COMM | SAT | Cindy Dittmer | 2/6/84 | 5:00 PM | F/C FINAL REF. DWG #1 PARTIAL/LOWER PORTION OF KICK PLATE |
| 37 | 4 | N/A | N/A | N/A | N/A | N/A | N/A | SEE COMM | SAT | Cindy Dittmer | 2/6/84 | 5:00 PM | F/C FINAL - PARTIAL SEE DWG #1 VISUAL REF. DWG #1 |
| 38 | 4 | 8055, FALS | 2-6-03 | N/A | N/A | N/A | N/A | SEE COMM | SAT | Cindy Dittmer | 2/6/84 | 5:00 PM | TOUCH-UP @ FINAL AREA: 4 LOWER KICK PLATE & CHECKER PLATE |
| 39 | 4 | N/A | N/A | 8.0 | 13.0 | 10.5 | 2891, 2827, 1814 | SEE COMM | SAT | Cindy Dittmer | 2/7/84 | 10:00 AM | F/C FINAL INSP. BALANCE OF ENTRY # 36 |
| 40 | 4 | N/A | N/A | N/A | N/A | N/A | N/A | SEE COMM | SAT | Cindy Dittmer | 2/7/84 | 10:00 AM | F/C FINAL INSP VISUAL CHECKER PLATE |
| 41 | 4 | 8055 FALS | 2-7-03 | N/A | N/A | N/A | N/A | SEE COMM | SAT | Cindy Dittmer | 2/7/84 | 10:00 AM | TOUCH-UP @ FINAL LOWER KICK PLATE & CHECKER PLATE |
| 42 | 4 | N/A | N/A | 10.0 | 15.0 | 13.0 | 2891, 2827, 1814 | 4 A | SAT | Cindy Dittmer | 2/8/84 | 8:00 AM | F/C FINAL INSPECTION |
| 43 | 4 | 8055 | 2-8-84 | N/A | N/A | N/A | N/A | 4 A | SAT | Cindy Dittmer | 2/8/84 | 8:00 AM | TOUCH-UP @ FINAL INSPECTION |

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

3
2
12-20-83
PC1-000 7742

| | | |
|--|-----------------------------------|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | IDENTIFICATION NO. See REMARKS | SYSTEM / STRUCTURE DESIGNATION RCB-1 Area Code 17 |
| SPEC. NO. AS-31 | REV. 1 | REF. TO SPEC. & REV. & CHANGE NO. QI-OP-11.4-5 Rev. 27 |
| <input type="checkbox"/> IN PROCESS INSPECTION <input type="checkbox"/> PRE-INSTALLATION VERIFICATION <input type="checkbox"/> INSTALLATION INSPECTION <input checked="" type="checkbox"/> FINAL INSPECTION <input type="checkbox"/> PRE-EST. INSPECTION | | MEASURED OR EST. EQUIP. DENT. NO. 1616, 2642, 2839 |
| <input checked="" type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY <input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW | | QC INSPECTOR: <i>James Paul</i> DATE: 12-20-83 |

| ITEM NO. | INSPECTION ATTRIBUTES | SAT | INITIAL | DATE | QC SIGNATURE |
|----------|--|-----|---------|--------------|--------------|
| | SEAL COAT FINISH COAT ✓ | | | | |
| | ORIGINAL REPAIR ✓ (Touch-up) | | | | |
| 1. | RECORD ALL PROTECTIVE COATINGS UNIQUE UP & ID NO.'S: (FOR MULTIPLE ITEMS INDICATE IN "REMARKS" WITH CORRESPONDING DFT READINGS FROM ITEM #3 ABOVE.) PER PARA. 3.1.1.a | | | N/A 12-20-83 | |
| 2. | MEASURE DFT OF PRIMED COAT PER PARA. 3.1.1.b | | | N/A | |
| 3. | PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d | | | N/A | |
| 4. | PERFORM DFT OF PRIMED COAT PER PARA. 3.1.1.b (500 MULTIPLE ITEMS INDICATE MIN. SPOT, MAX. SPOT AND AVER- AGE DFT FOR EACH ITEM IN "REMARKS") | | | N/A | |
| 5. | PERFORM VISUAL INSPECTIONS OF PREVIOUSLY COATED SURFACE ✓ PER PARA. 3.3.3 | | | | |
| 6. | MEASURE SURFACE COORDINATION ACCEPTABLE PER APPROP. OF CCP30A ✓ | | | | |
| 7. | AMBIENT CONDITIONS CHECKED PER PARA. 3.3.2 PRIOR TO COATING APPLICATION ✓ RECORD: | | | | |
| | DATE: 12-20-83 TIME: 1:00 P.M. +.S. 53° D.B. 72° S.T. 72° D.P. 33° R.H. 24% | | | | |

(CONTINUED ON SHEET 2 OF 2)

REMARKS (OWGL, SPEC., ETC.) CAI Due Dates: MTE 1616 (7-13-84)
MTE 2642 (2-21-84)
MTE 2839 (5-16-84)

RELATED NCR NO. *N/A* : I.R. CLOSED = DATE *N/A* SIGNATURE *N/A*
QC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

Sheet 2 of 2
QI-QP-11.4-5 R. 27
12-20-83

FOR FULL READINGS, SEE SHEET 1

NO. PCI-000 7742

| ITEM NO. | INSPECTION ATTRIBUTES | SAFETY | INITIALS | DATE | SIGNATURE |
|----------|---|--------|----------|------|-----------|
| 8. | VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: J. ALVAREZ | ✓ | | | |
| 9. | APPLICATION METHOD: SPRAY BRUSH ✓ | ✓ | | | |
| 10. | VERIFY AIR SUPPLY ACCEPTABLE PER PARA 3.3.4 Brush | N/A | | | |
| 11. | VERIFY HOSE LENGTH IS LESS THAN 75 FT. Brush | N/A | | | |
| 12. | VERIFY MIXING OPERATIONS ARE PER CCP-30 OR CCP-30A AND PARA. 3.3.5. | ✓ | | | |
| 13. | COATING MATERIAL PRODUCT IDENTIFICATION: Phen 505/2000 50/50 ✓ RECORD BATCH NUMBERS: PART A: 3H2379M PART B: 3H2380M THINNER: 3T3033M TIME MIXED: 7:17 A.M. DATE: 12-20-83 | | | | |
| 14. | VERIFY POT LIFE AS STATED IN CCP-30 AND CCP-30A IS NOT EX- CEEDED PER PARA. 3.3.5.3 | ✓ | | | |

REMARKS: (OBSV. SPEC. ETC.) Finish Coat Repair (Touch-up) of minor
Discontinuities on Final, Bottom and side
of West End of Missile Shield Shield.
12-20-83 L.L.

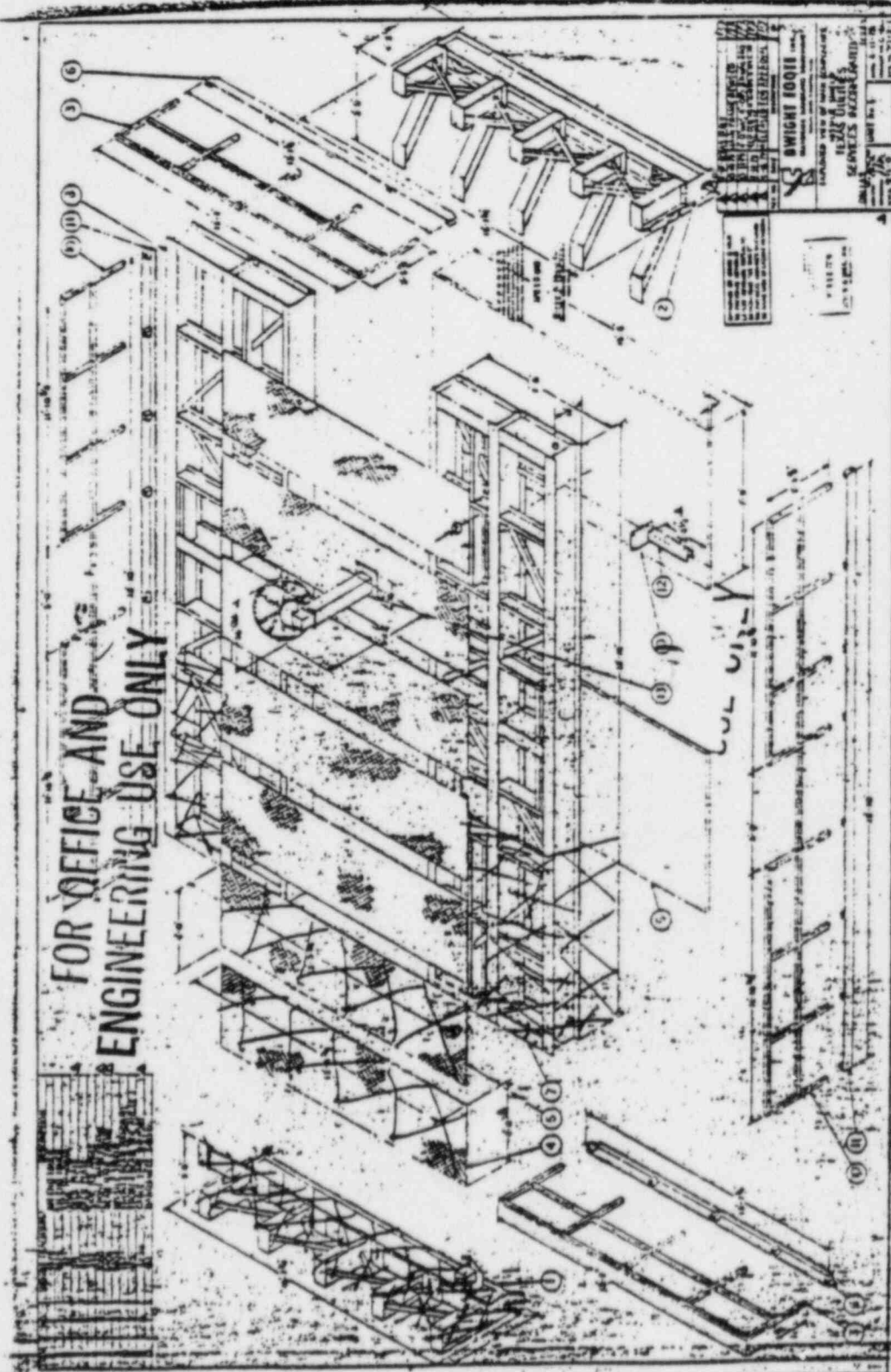
CPI-MEMEMS-01

Ref. I.R. PCI-0007741

REL. TO I.R. CLOSED = N/A DATE 1/1/84

sh. 3 of 3
PCI-0007742

FOR OFFICE AND
ENGINEERING USE ONLY



SWIGHT TOWER
ARCHITECTS
1221 15th St. N.W.
WASHINGTON, D.C. 20004
TEL: 202-331-1100
FAX: 202-331-1101

PROJECT NO. 100-100-100
DATE: 10/10/10

SCALE: 1/8" = 1'-0"

121993
300/PC41192

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

DATE: NO. PC41192

| | | | |
|--|---|---|---|
| ITEM DESCRIPTION PROTECTIVE COATINGS | | CERTIFICATION NO. CP2-MEMEMS-01 | SYSTEM / STRUCTURE DESIGNATION RF#2 |
| SPEC. NO. AS-31 | REV. 1 | REF. TO SPEC. & REV. & CHANGE NO. QI-QP-11.4-5, Rev. 6 | MEASURE OR TEST EQUIP. IDENT. NO. - 244,1641,3280,285,1777 |
| <input type="checkbox"/> IN PROCESS INSPECTION | <input checked="" type="checkbox"/> PRE-INSTALLATION VERIFICATION | <input type="checkbox"/> INSTALLATION INSPECTION | <input type="checkbox"/> FINAL INSPECTION |

INSPECTION RESULTS

INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

QC INSPECTOR: HJ Swan DATE: 12/21/81

| ITEM NO. | INSPECTION ATTRIBUTES | SAT | UNSAT | DATE | QC SIGNATURE |
|-----------------------------|---|-----|-------|------|--------------|
| | SEAL COAT ✓ | | | | |
| | ORIGINAL ✓ | | | | |
| 1. | Perform DFT of Primer Coat per Para. 3.1.b RECORD: Minimum Spot Test: <u>1.5</u> Maximum Spot Test: <u>4.5</u> Average DFT: <u>3.0</u> | ✓ | | | |
| 2. | Record all Protective Coatings Unique I.D. No.'s: <u>Q10046, Q10047</u> | ✓ | | | |
| FOR INFORMATION ONLY | | | | | |
| 3. | Ambient conditions checked per Para. 3.3.2 prior to coating application and record below: DATE: <u>12/18/81</u> TIME: <u>10:30 AM</u> WET BULB TEMP: <u>52°</u> DRY BULB TEMP: <u>72°</u> RELATIVE HUMIDITY: <u>21%</u> DEW POINT: <u>30°</u> SURFACE TEMP: <u>64°</u> | ✓ | | | |
| 4. | Perform Visual Inspection of previously coated surface per Para. 3.3.3 | ✓ | | | |
| 5. | Verify surface preparation acceptable per CCP-30 or 30A | ✓ | | | |
| 6. | Verify air supply acceptable per Para. 3.3.4. | ✓ | | | |
| 7. | Verify mixing operations are per CCP-30 or 30A and Paragraph 3.3.5. | ✓ | | | |
| 8. | Coating material product identification: <u>Phenolix</u> RECORD BATCH NUMBERS: <u>4312</u> PART A: <u>152789M</u> PART B: <u>1F1054M</u> THINNER: <u>161861M</u> TIME MIXED: <u>11:08 AM</u> | ✓ | | | |
| 9. | Verify that shelf life of coating materials has not expired. | ✓ | | | |
| 10. | Verify that pot life is not exceeded. | ✓ | | | |

(Continued on Next Sheet...)

COMANCHE PEAK STEAM ELECTRIC STATION
 INSPECTION REPORT

(SUPPLEMENTAL)

| ITEM NO. | INSPECTION ATTRIBUTES | SAT | UNSAT | DATE | SIGNATURE |
|----------|---|-----|-------|------|-----------|
| 11. | Verify qualification of applicator per Para. 3.3.1 List Applicators: <i>R. Lopez</i> | ✓ | | | |
| 12. | Verify hose length is less than 75 feet. | ✓ | | | |
| 13. | Perform visual inspection of coated surface per Para. 3.5.1. | N/A | | | |
| 14. | Verify curing is per CCP-30 or CCP-30A and Para. 3.5.2 | N/A | | | |
| 15. | Perform DFT on coated surface (Finish Coat only) as per Para. 3.5.3. Coating System Spot Test Minimum: Coating System Spot Test Maximum: Average DFT Coating System: | N/A | | | |
| 16. | Perform continuity inspection (Finish Coat only) per Para. 3.5.4. | N/A | | | |

REMARKS: (DWGS, SPECS, ETC.)
 Accepted Items 1 thru 12 (2ea Fuel Handling Crane Corders)
 12/18/81 HJB
 Released 2ea to Const. FOR INFORMATION ONLY
 12/21/81 HJB Dfts Appx 1.5 MILLS

RELATED NCR NO. N/A | I.R. CLOSED | DATE N/A | SIGNATURE N/A
 QC INSPECTOR

TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 58

- a) Provide technical justification for current procedural requirements with regard to light examinations of surfaces.
- b) Will the final QC walkdown requirements be the same?

Response:

- a) Technical justification for the current procedural requirements for the required light for inspections was provided in our response to Section IV of the BNL Interim Report. (See TXX-4232 dated July 20, 1984).
- b) Yes.

TXX-4249

August 10, 1984

QUESTIONS RELATIVE TO ALLEGATION NO. 60

- a) Provide record of indoctrination and training on the subject of signatures on IR's which is referred to in your response.

Response:

- a) A copy of the attendance rosters for the reindoctrination is attached.

Per CP-QP-18.0 Rev.19 Para 3.1 and QI-QP 11.4-28 Rev.5 Para 3.2, inspectors have been reinstructed, "All inspectors are to sign travelers/IR'S upon completion of each entry." "Also per Quality Engineering Direction, " If more than one inspector is involved in the same inspection, each inspector is to sign for the portion of the inspection he/she inspected."

| Name | date | Name | date |
|-----------------------|--------|----------------------|-----------|
| 1. M. Kernan | 8-9-84 | 24. Walter Murray | 8-9-84 |
| 2. M. Mitchell | 8/9/84 | 25. Michael Fading | 8-9-84 |
| 3. P. H. H. | 8/9/84 | 26. Thomas R. Self | 8-9-84 |
| 4. Jimmie Ennam | 8/9/84 | 27. Cindy Dittman | 8/9/84 |
| 5. Melle Vail | 8/9/84 | 28. Joyce [unclear] | 8/9/84 |
| 6. Tony [unclear] | 8-9-84 | 29. Curtis Patterson | 09 Aug 84 |
| 7. [unclear] | 8-9-84 | 30. Linda L. Perite | 8-9-84 |
| 8. [unclear] | 8-9-84 | 31. J.M. ONCE | 8/9/84 |
| 9. E. Whan | 8-9-84 | 32. M. DuBay | 10 Aug 84 |
| 10. M. Underwood | 8-9-84 | 33. J. Gallagher | 8-10-84 |
| 11. James Uehlin | 8-9-84 | 34. Monte Stephens | 8-10-84 |
| 12. Ronnie L. Lunniff | 8-9-84 | 35. L. Sanchez | 8-9-84 |
| 13. Eric Curry | 8-9-84 | 36. | |
| 14. Bob [unclear] | 8-9-84 | 37. | |
| 15. [unclear] | 8-9-84 | 38. | |
| 16. Tom M. Scott | 8-9-84 | 39. | |
| 17. [unclear] | 8-9-84 | 40. | |
| 18. [unclear] | 8-9-84 | 41. | |
| 19. Gene P. John | 8-9-84 | 42. | |
| 20. [unclear] | 8-9-84 | 43. | |
| 21. Jim Mickel | 8-9-84 | 44. | |
| 22. Cliff Eickbarger | 8-9-84 | 45. | |
| 23. [unclear] | 8/9/84 | 46. | |

Class given by M. Krisher 12:30 PM / 1:00 PM, 8-9-84
 Class given by A. Ambrose 6:00 PM / 6:30 PM, 8-9-84