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TITLE: RECEIVING INSPECTION	ORIGINATOR: <u>Santib- Y. Remedios</u> <u>6-11-84</u> DATE REVIEWED BY: <u>R. Lerner</u> <u>6/11/84</u> DATE APPROVED BY: <u>MBL</u> <u>for</u> <u>6/11/84</u> DATE Site QA Manager			

Copied 9/19/84

1.0 REFERENCES

- 1-A CP-CPM-8.1, "Receipt, Storage and Issuance of Items"
- 1-B CP-QAP-16.1, "Control of Nonconforming Items"
- 1-C CP-QP-16.0, "Nonconformance and Deficiencies"
- 1-D CP-QAP-14.T, "Inspection of Storage and Maintenance of Permanent Plant Equipment."

2.0 GENERAL

2.1 SCOPE

This procedure, in conjunction with Reference 1-A, establishes the requirements for Receiving Inspection of "Q" items and related items for ensuring compliance with the purchase order and applicable codes, standards and specifications.

2.2 RESPONSIBILITY

The Site QA Manager is responsible for assuring that receiving inspection of ASME related items is performed and documented in accordance with this procedure.

The TUGCO Site QA Supervisor is responsible for assuring that inspection of non-ASME items is performed and documented in accordance with this procedure.

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2.3 TRAINING

Personnel performing receiving inspection shall be trained, qualified and certified in accordance with QI-QAP-2.1-5.

3.0 PROCEDURE

3.1 INSPECTION REPORT

Items shall be inspected in accordance with this procedure and supplementary instructions and/or checklists, and the results documented on the Receiving Inspection Report (RIR), (Attachment 1). The RIR's shall be numbered sequentially. Attachments to the RIR may be used to explain in detail the condition of the items at receipt.

3.2 RECEIVING HOLD TAG

A "Receiving Hold Tag" (Attachment 2) shall be used to indicate the items which have not satisfactorily or completely undergone receiving inspection. In the case of bulk fittings, studs, nuts, flanges, etc., a hold tag applied to bins, boxes or other containers is acceptable in lieu of tagging each piece. The Receiving Hold tag shall only be applied and removed by Receiving Inspectors.

3.3 MATERIAL/EQUIPMENT RECEIVING LOG

The Material/Equipment Receiving Log (Attachment 3) shall be used to record the receiving inspections. A copy shall be sent to the Owner when all items appearing on the log have been released for construction.

3.4 INSPECTION METHODS

The Receiving Inspector shall obtain copies of the purchase order, design specification, drawing, etc., as applicable, prior to performing the inspection. Item(s) shall be inspected to determine the condition, to confirm identification, traceability, configuration and to assure that the documentation as specified in the purchase order and specification is present.

Receiving Inspection Group shall co-ordinate the inspection of code items with Authorized Nuclear Inspector (ANI).

A partial release inspection of bulk items may be made provided it is documented on the RIR as partial release inspection.

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Items which cannot be receipt inspected due to cleanliness or environmental/corrosion protection packaging or other reasons, shall have a "Receiving Hold" tag applied. NCR is not required. The RIR and data packages shall be held in the receiving inspection area until the inspection can be completed and then sent to the Owner.

3.4.1 Inspection Requirements

As applicable to the item being inspected, the following attributes (as a minimum) are checked:

- a) Inspection is performed in an area equivalent to the level of storage required for the item, as delineated in Reference 1-A.
- b) Unless the package markings prohibit unpacking, the contents of all shipments are visually inspected to verify that the specified packaging and shipping requirements have been maintained.
- c) Visual inspection without unpacking is acceptable when items are packaged in separate transparent moisture-proof bags or envelopes.
- d) Identification and Marking - Verification that identification and markings are in accordance with requirements contained within procurement documents. Also, confirm that the type and model of the item is the same as that required by procurement documents.
- e) Corrosion Protection - Verification that the item which was packaged/prepared for shipment in accordance with the procurement documents includes the following, as applicable:
 1. Protection covers and seals: Visual inspection to ensure that covers and seals meet their intended function.
 2. Desiccant: Verification of the presence of desiccant and/or verification of humidity indicator readings when utilized in packaging.

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3. Assure that stainless steel items have been packaged in such a manner that they are not in direct contact with carbon steel, i.e., steel bandings, carbon steel tiedown bolts, etc.
 4. Coatings and Preservatives: Verification that coatings and preservatives are applied in accordance with specifications, purchase orders or manufacturer's instructions.
- f) Physical Damage - Visual inspection to ensure that parts of items are not loose, broken, cracked, missing, deformed or misaligned; and that accessible internal and external areas are free from detrimental gouges, dents, scratches and burns.
 - g) Cleanliness - Visual inspection to ensure that accessible internal and external areas are within limits allowed by procurement documents for dirt, soil, mill scale, weld spatter, oil grease, or stains. If source surveillance was performed and temporary seals or coverings have not been disturbed, inspection for internal cleanliness is optional.
 - h) Inert Gas Blanket - Verification that the inert gas blanket pressure is within the acceptable limits.
 - i) Calibrated M&TE - Use of the calibrated M&TE shall be documented on a RIR by M&TE number and its due date of calibration.
 - j) Manufacturing Documentation - Assure that item received was fabricated tested and inspected prior to shipment in accordance with applicable codes, specifications, purchase orders and/or drawings.

If source surveillance is not performed the following characteristics are also inspected upon receipt, as applicable

- a) Dimensions and Workmanship - Physical checking of dimensions and general workmanship to ensure conformance with drawings and specifications. Examples of dimensions to be checked are: baseplate mounting holes; general configuration, overall external size and distance between principle parts. Examples of workmanship to be checked are: assembly fit-up tolerances, surface finishes and absence of damage.

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- b) Lubricants and Oils - Verification of the presence of lubricants if required by procurement documents. Examples of characteristics to verify are: proper oil levels, lubrication fittings and the presence of dry lubricants, when specified.
- c) Weld Preparation - Random visual inspection of exposed welds and field weld preparations to verify conformance with drawings and specifications. QC (Mechanical) Inspector shall be contacted to perform the inspection.
- d) Physical Properties - Assurance that physical properties conform to specified requirements and that chemical and physical test reports, if required, meet the applicable code requirements.

3.4.2 Contingencies

Items/material received with a contingency shall be receipt inspected as required by this procedure and then be placed on "Receiving Hold" until the contingency has been resolved. If the item/material is needed to be installed prior to the resolution of the contingency, an NCR shall be initiated in accordance with Reference 1-B or 1-C as applicable. The NCR number shall then be noted on the RIR and the RIR shall be forwarded to the Permanent Plant Records Vault in accordance with CP-QAP-18.1.

3.5 INSPECTION DETAILS

3.5.1 Westinghouse Purchased Items

- a. The shipment must be accompanied by a Quality Release (QR) form signed by a Westinghouse representative. If the QR is not available, a "Receiving Hold" tag shall be applied and the following action taken:

- 1. W and TUGCO QA shall be notified via a copy of the RIR.

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2. The shipment shall be maintained in a receiving hold area and the documentation shall be retained in the receiving inspection area along with the RIR. The items shall be inspected after the QR is received.
- b. If the QR had "C" (contingency) entered thereon for any attribute that has not been resolved by an attached QR supplement, the following action shall be taken:
 1. Note the contingency on the RIR.
 2. Verify that the applicable documentation required by the Code and Design Specification has been furnished.
 3. Contingencies shall be handled in accordance with 3.4.2 above. Items/material placed on hold shall be maintained in a receiving hold area and the documentation shall be retained with the RIR until the resolution of the contingency.
 4. Notify Westinghouse and the TUSI Material Procurement Records Coordinator via a copy of the RIR.
 - c. If the QR has "W" (Waiver) entered thereon for any attribute, the items shall be inspected and the results of this inspection shall be documented on the RIR, and the checklist (Attachment 4).
 - d. Westinghouse renewal parts will be inspected in accordance with Attachments 5 and 6.

3.5.2 TUSI/Gibbs & Hill Purchased Items

- a. The review and acceptance of supplier documentation, when source inspection is required, is performed by an agent of TUSI. The evidence of the review and acceptance at the source is the Quality Assurance Release (QAR) form accompanying the shipment. If the QAR is not available, a "Receiving Hold" tag shall be applied and the following action taken:
 1. TUGCO QA & TUSI shall be notified via a copy of the RIR.

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2. A notation shall be made on the RIR so that appropriate follow-up action can be taken.
 3. The shipment shall be maintained in a receiving hold area and the documentation shall be retained with the RIR until the QAR is received.
 4. If final shop inspection was waived, B&R shall perform the review and receipt inspection per the applicable checklist as well as the waiver statement.
 5. Items that received a final source inspection will be receipt inspected in accordance with the applicable instructions and checklist for the item.
- b. If the QAR has a "C" (contingency) entered thereon, the following action shall be taken:
1. Note the contingency on the RIR.
 2. Determine whether the required documentation is present to meet the applicable Code and Design Specification (ASME) requirements.
 3. Contingency shall be handled in accordance with 3.4.2 above. Items/material on hold shall be maintained in a receiving hold area and the documentation shall be retained with the RIR until the resolution of the contingency.
 4. Notify the TUSI Material Procurement Records Coordinator via a copy of the RIR.
- c. If the QAR has "W" (Waiver) entered thereon for any attribute or the final source inspection was waived Receiving Inspector shall perform the receiving inspections as noted by the applicable ASME & Hill checklist and/or the waiver letter and document the inspection on RIR and the checklist (Attachment 7).

3.5.3 B&R Purchased Items

- a. If it is a requirement of the purchase order, the shipment must be accompanied by a Conformance Certificate (CC). If a CC is required but not available, or if CC is available but incomplete or incorrect, a "Receiving Hold" tag shall be applied and the following action taken:

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1. Procurement shall be notified using a copy of the RIR
 2. A notation shall be made on the RIR so that appropriate follow-up action can be taken.
 3. The items shall be maintained in a receiving hold area and the documentation shall be retained in the receiving inspection area until the CC is received.
- b. If the CC with final source inspection waiver correctly noted is available, or if the item does not require a CC, Receiving Inspector shall perform the inspection to purchase order requirements using an appropriate checklist (Attachments 8 thru 19).
 - c. If the CC signed by a B&R representative as acceptable is available, the Receiving Inspector shall verify that the data package is complete and that required packaging is acceptable.

3.5.4 Non-reflective Insulation

3.5.4.1 Insulation for Stainless Steel Components

As a minimum, the following documentation shall be required for acceptance of insulation to be used on stainless steel components.

a. Qualification Test Reports

Each "type" of thermal insulation material shall have satisfactory test reports for the following:

NOTE: The term "type" shall be considered all that insulation which is fabricated by one manufacturer under the same description (make, model, type).

1. Stress corrosion testing per ASTM C692-71 or RDT M12-IT. Per ASTM C692-71, no more than one of five tested specimens may crack. Per RDT M12-IT, no more than one of four specimens tested may crack.

2. Chemical analysis of the ionic concentrations of leachable chloride, fluoride, sodium, and silicate per Figure 1 of Regulatory Guide 1.36 (Attachment 20).
3. Burning characteristics per ASTM Method E84-77a. The criteria for acceptance is surface burning characteristics, flame spread, fuel contributed shall be less than 25, and smoke developed shall be less than 50.

b. Production Test Reports

A chemical analysis report, acceptable per 3.5.4.1.a.2 above, shall be furnished for each production lot from which the insulating components are fabricated.

3.5.4.2 Insulation for Carbon Steel Components

Insulation for carbon steel components, only, shall have acceptable test reports for burning characteristics in accordance with 3.5.4.1.a.3.

NOTE: Only one test report for each insulation "type" is required.

3.5.4.3 Anti-Sweat Insulation

Insulation specified as anti-sweat shall have acceptable test reports for Moisture-Vapor Transmission per ASTM Method C335 or Method E96. Permeance shall be less than 1. Only one Moisture Vapor Transmission test report is required for each type. Additional test reports shall be furnished in accordance with Paragraph 3.5.4.1 or 3.5.4.2, as applicable.

3.5.4.4 Documentation

In addition to the test reports required in Paragraphs 3.5.4.1 through 3.5.4.3, a completed Technical Data Sheet (Attachment 21) shall be furnished for each "type" of insulation. The Receiving Inspector shall complete an Insulation Receiving Checklist (Attachment 22) which, when completed, shall be attached to each RIR.

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3.5.5 Receiving of Radioactive Material

Radioactive materials, other than those used by Brown & Root for radiography, shall not be off-loaded at the warehouse. Instead, the TUGCO Operations Radiation Protection personnel shall be notified so that they may inspect the shipment for quantity, correctness, and damage, advise the warehousing personnel of their findings and assume custody of the materials. After the inspection by TUGCO Operations Radiation Personnel, Receiving Inspection shall verify that the documentation required by the purchase order is received and documented on a RIR. The completed RIR shall be processed in accordance with paragraph 3.11.

Receiving Inspection shall not perform any physical inspection of the hardware.

3.5.6 Approved Suppliers' List (ASL)

For ASME related items, receiving inspector shall check the ASL (including supplements) to verify that:

- a) Vendor is an approved vendor per ASL (including supplements.
- b) Items are shipped from vendor's approved facility.
- c) Vendor certificate of authorization has not expired prior to items certification.
- d) ASME certificate number and expiration date shown on certification or QA program revision and date shown on certification for NON-ASME certificate holder, is same as that shown on ASL.

3.5.7 Review of Data Packages

- a. The data packages accompanying all shipments must be reviewed for correctness and completeness. This review shall be made against the table of contents (if available), the purchase order/specification and appropriate supplementary instructions. Documented on Attachment 23.

NOTE: Contingencies in documentation shall be handled as noted in 3.5.1.b and 3.5.2.b above.

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- b. If the data package is not complete, a "Receiving Hold" tag shall be applied to the item and the following action taken:

NOTE: Radioactive material received in accordance with Paragraph 3.5.5 shall not have a hold tag applied. TUGCO shall be notified of the document deficiency by being provided a copy of Unsat RIR.

1. The buyer responsible for the item shall be notified using a copy of the RIR.
2. A notation shall be made on the RIR so the appropriate follow-up action can be taken.
3. The data package shall be retained with the RIR until the documentation is completed.

3.5.8 Review of Data Reports

Upon receipt, ASME Data Reports shall be reviewed as follows:

- a. Verify that all information stamped on the Code name plate of the item is in agreement with the corresponding information shown on the Data Report.
- b. Verify that the Data Report has been signed by the Manufacturer's representative and the Authorized Nuclear Inspector (ANI), and includes the ANI's State or National Board commission number.
- c. Verify that the Data Report does not have any corrections by use of cross-offs, erasures, printovers, written additional indications, or white outs.

For Data Reports which have been corrected by revision, the report shall be clean of marking, normally marked "Corrected Report" in the upper left hand corner, and the corrections explained under "Remarks". The Data Report will be signed and dated by the manufacturer and the ANI after such revision has taken place.

In addition, Data Reports which have been corrected for technical details should be initialed and dated for each change by the manufacturer and the ANI.

NOTE: Deviations from these requirements should be reviewed with the Site Mechanical Level III for acceptability.

- d. Verify that all spaces on the Data Report have been completed as required.
- e. Verify that the Code Class, Code Addenda, Code Cases, date and other technical information agree with the requirements of the purchase order, specification, etc. If any question as to the acceptability of an entry exists, contact the Site Mechanical Level III for resolution.
- f. Verify that the Certificate of Authorization number and expiration date are listed, and the Data Report has been certified prior to the expiration date.

3.6

ITEMS RECEIVED DAMAGED OR IN NONCONFORMANCE TO THE PURCHASE ORDER/SPECIFICATION

- a. Upon discovery of damage such as gouges, dents, rust, mishandling marks (in excess to what is allowed by specification), or nonconformance to the purchase order/specification, the Receiving Inspector shall tag the item with "Receiving Hold Tag" and initiate a NCR in accordance with Reference 1-B or 1-C, as applicable. The NCR number shall be noted on the RIR.
- b. Items so tagged shall be noted on Attachment 3.
- c. The item shall be maintained in receiving hold area and the documentation, along with the RIR, shall be retained in the receiving inspection area until the NCR is dispositioned and/or closed.

3.7

COLOR CODING

After completion of the inspection and acceptance of the material, the Receiving Inspector shall authorize Receiving, using Attachment 24, to color code material in accordance with CI-CPM-8.1, ("Color Coding of Piping Materials").

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3.8 MATERIAL STORAGE

Receiving Inspectors shall document on the RIR the storage locations and storage types for the items. After color coding is verified by Receiving Inspector as being correct, the material shall be placed in a warehouse storage.

All safety related items within each storage environment classification (Type A through E, Per Reference 1-A) should be physically segregated from non-safety related material. Where segregation is not practical due to size, configuration, or specific storage requirements, etc., positive identification of the item shall be maintained.

A monthly surveillance of all warehousing storage areas containing "Q" material shall be performed to ensure proper storage in accordance with Reference 1-D. The Receiving Inspector shall document the surveillance on a "Storage Surveillance Report" (as described in Reference 1-D) and transmit the satisfactory reports to permanent plant records vault in accordance with CP-QAP-18.1. If unsatisfactory condition on SSR could not be resolved, an NCR shall be initiated per reference, 1-B or 1-C, as applicable.

3.9 LOSS OF IDENTIFICATION

The material for which identity is lost, while in storage, shall be placed in the Non-Q storage area. If the material identity can positively be traced to the documentation, the material may be re-identified and may remain in "Q" storage.

3.10 MATERIAL RECEIVING RECORD DISTRIBUTION

Copies of the Material Received Record, (MRR; Attachment 25), forwarded to Receiving Inspection per Reference 1-A, are distributed as follows: (All MRR copies are stamped per Figure 1 of Attachment 26 and the RIR No. noted.)

- a. One copy of the MRR is filed with the RIR.
- b. One copy of the MRR is filed in the Receiving Inspection office.
- c. Upon acceptance of a "Q" shipment, one copy of the MRR is given to the responsible Warehouse Foreman. The MRR is stamped per Figure 2 of Attachment 26, signed and dated by the Receiving Inspector. The material should then be removed from the receiving area and stored.



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- d. Upon acceptance of a "Q" shipment, one copy of the MRR is forwarded to Accounting. The MRR is stamped, signed, and dated (as in "c." above).

3.11 RECORDS

Upon completion of the RIR, the Receiving Inspector shall stamp, sign and date the RIR per Figure 3, Attachment 26, indicating that the documentation is complete and forward the documentation package to a Level II Receiving Inspector when the inspection is performed by a Level I Inspector.

The Receiving Inspector will review the RIR, checklist and applicable documents for technical acceptability and completeness. Upon acceptance, the Level II will stamp (using Figure 4, Attachment 26), initial and date the RIR prior to forwarding the data package to the Owner/ANI. All completed RIR's on ASME Code materials only will be forwarded to the ANI for review (not ASME Code-stamped items). Upon satisfactory ANI review of the RIR, material shall be released to construction.

Satisfactory RIR's along with supporting documentation shall be sent to PPRV, in accordance with CP-QAP-18.1. RIR's with unsatisfactory conditions, such as missing documentation, typographical errors, shall be held in a separate file by QC until resolution has been obtained within the reasonable amount of time (as determined by QC/QE). Where resolution could not be obtained within the reasonable amount of time, an NCR shall be generated per reference 1-B or 1-C, as applicable.

QA records shall be corrected or updated, as necessary, by drawing a single line through the erroneous entry, entering the new entry, as applicable, and initialing and dating the change. An RIR file for each shipment of items received is maintained in the Receiving Inspection office.

3.12 HEAT NUMBER CARD FILE

Upon acceptable inspection, the Receiving Inspector shall complete a Heat Number Card (Attachment 27) for each heat and/or code number of material received. A copy of the heat number cards shall be forwarded to the QC Inspectors in the applicable fabrication shop.

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4.0 ISSUANCE OF ITEMS

Material Requisition Form (MR; Attachment 28), authorized by appropriate department craft superintendent or supervisor, shall be required for issuance of an item. For ASME Code items, the Receiving Inspector shall verify the acceptability of the item for the intended use stated on the MR, and indicate the verification by initials and date on the MR. For non-ASME Code items, the verification may be performed by QC Receiving Inspector (or discipline QC inspector) with initials and date on the MR. Person accepting the delivery shall sign the MR and note both his name and badge number on the MR.

The information on the Material Requisition, except for expendable Construction material and bulk items, should provide traceability of the item and should include the purchase order number. Typical information required is:

- a. Item description;
- b. Item identification (e.g., heat number, code number, lot number, tag or serial number and purchase order number);
- c. Quantity;
- d. Intended use, to provide traceability of items, and to ensure that intended use is acceptable. The "intended use" entry is not meant to restrict the use of an item to a particular location, but only to signify that the item is acceptable for use in that location.
- e. Color-code of an item, as applicable.

Items which are on "Hold" status may be issued on risk removal basis for installation in accordance with Reference 1-B or 1-C, as applicable.

5.0 OFFSITE SHIPMENT OF ITEMS

- 5.1 Upon notification of an off-site shipment from B&R shipping (per CP-CPM-8.1), the Receiving Inspector will perform the following:

- a. Obtain a completed copy of the Returned Goods Authorization (RGA), Attachment 29.
- b. Obtain a completed copy of the Shipping Record (SR), Attachment 30.
- c. Ensure that the quantity, description and identification documented on the RGA and SR agree with the items being shipped. Enter the original RIR # on the RGA and SR for items which have identification markings and are traceable to the original RIR.
- d. Ensure that hold tags, if any, have been removed.
- e. Sign and date on the SR.

5.2

After verification of the items the following distribution will be made:

- a. A copy of the RGA and SR will be filed in the Receiving Inspection office for future reference and verification if the shipment is to be returned to B&R.
- b. A copy of the RGA and SR will be forwarded to the Owner and placed with the RIR, the item originally was received and documented on. This applies only when items are traceable to the original RIR.
- c. When the item is being dispositioned "Return to Vendor" for rework, repair, or modification per an NCR, a copy of the RGA and SR will be forwarded to the NCR Coordinator.

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ATTACHMENT 1



Brown & Root Inc.

REPORT NO.


QUALITY ASSURANCE
RENTYME INSPECTION REPORT

REF	ITEM	DESCRIPTION	DEFECT/REMARKS NO.	INSPECTION DATE
P.O.	DATE	CHARACTERISTIC INSPECTION		SI INSPECTION
		BE <input type="checkbox"/>	UNSAT <input type="checkbox"/>	NO <input type="checkbox"/>
		APPROXIMATE RESPONSIBILITY FOR UNSATISFACTORY ITEMS		
YOUNG	CR	BE <input type="checkbox"/>	YOUNG <input type="checkbox"/>	TRANSPORTED <input type="checkbox"/>
		SAFE DEFICIENCY CLERK		
TOP	SP.	DESCRIPTION/REMARKS		
AUTHORIZED NUCLEAR INSPECTOR NOTIFICATION				
DATE	TIME	NAME	SA	INT.
AND WITNESS: SA <input type="checkbox"/> UNSAT <input type="checkbox"/> TAYED <input type="checkbox"/> DATE				
3-2 AMPS INTRINSIC REQUIRED				
STORAGE LOCATION		RE CHARGED/INSPECTOR		DATE
TYPE				

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ATTACHMENT 2

Receiving Hold Tag

 RECEIVING
HOLD
DO NOT RELEASE
FOR CONSTRUCTION

CC _____ / /

Brown & Root Inc.

DO NOT
REMOVE
THIS TAG
WITHOUT
GC AUTHORITY

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ATTACHMENT 4

BROWN & ROOT INC.
Quality Assurance Department

RECEIVING WESTINGHOUSE SUPPLIED
SAFETY RELATED EQUIPMENT

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Is receiving inspection satisfactory per para. 3.4/3.4.1.	—	—	—
2. Review the documents received with the shipment:			
a. Westinghouse Quality Release (QR) furnished.	—	—	—
b. "Audit Checklist" items on QR accepted.	—	—	—
c. ASME Code Data Reports and/or Material Test Report, as applicable, furnished.	—	—	—
d. Code Data Report and <u>W</u> QR agree	—	—	—
3. Verify the following:			
a. Code Data Report and Code name plate information agree.	—	—	—
b. Code symbol and Code Class stamped on the name plate correct.	—	—	—
c. Code Data Report satisfactory per para. 3.5.8.	—	—	—
d. Identification tag/spin agree with <u>W</u> QR.	—	—	—
e. Items are not damaged.	—	—	—

COMMENTS: _____

Receiving Inspector _____ DATE _____

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ATTACHMENT 5

BROWN & ROOT INC. .
Quality Assurance Department

RECEIVING OF W RENEWAL PARTS

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Is receiving inspection satisfactory per para. 3.4/3.4.1.	—	—	—
2. Review documents received with shipment:			
A. Westinghouse Quality Release obtained and items on QR accepted.	—	—	—
B. CPPA letters define the QA Code criteria for the items.	—	—	—
C. Documents furnished meet the requirements specified for each QA Code A, C, and D. (See Attachment 6 of CP-QAP-8.1)	—	—	—
D. ASME Code Data Form received and complete, per para. 3.5.8.	—	—	—
E. Certificate of Compliance to Part Number.	—	—	—
F. Unpriced Purchase Order with Code classification.	—	—	—
3. Parts Identification			
A. Parts identification agree with Data report of C of C as applicable.	—	—	—
B. Parts agree with <u>W</u> QR as applicable.	—	—	—
4. Parts received in a satisfactory condition without damage.	—	—	—

COMMENTS: _____

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ATTACHMENT 6

QUALITY PROCUREMENT REQUIREMENTS FOR RENEWAL PARTS O, QA CODE A, D AND C

I. QA Code A Quality Procurement Provisions

The following quality procurement provision shall apply to renewal parts classified QA code A.

1. When the supplier is made responsible for parts interchangeability, his Certificate of Conformance shall include both specific part identity (i.e., drawing and drawing revision number of specific part number) of part(s) he is supplying and a specific statement of part interchangeability on the Certificate of Conformance to the order.
2. Supplier statement of interchangeability shall state that:
Items supplied for shipment with a procurement document are certified to be interchangeable with prior drawing or part number revisions as to fit, function and materials and that any known changes in these characteristics have been reviewed and approved by the responsible engineering design function to assure that interchangeability has been maintained considering Westinghouse Equipment Specification and ASME Code requirements, as applicable.
3. A Quality Release, issued by an authorized Product Assurance representative from NED, (includes TP, PP, EMD, SMD) NTD, NFD or NSD shall be required, to accompany parts shipment. If an ASME Manufacturers Data Report is required it will be attached to the Quality Release.
4. An unpriced procurement document, drawing and/or equipment specification when applicable, shall be provided to the customer. Transmittal is made no later than 90 days after parts shipment.

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ATTACHMENT 6 (Continued)

5. Supporting data and QA documentation, as appropriate by applicable standards and regulations shall be defined in the procurement documents for retention by Westinghouse and/or the supplier.

6. Requirements of 10CFR21 apply.

II. QA Code D Quality Procurement Provisions

1. A Certificate of Conformance to purchase order requirements shall be provided by the supplier, to accompany parts shipment.
2. An unpriced procurement document shall be provided to the customer. Transmittal is made not later than 90 days after parts shipment.
3. When the supplier is made responsible for parts interchangeability, his Certificate of Conformance shall include both specific part identity (i.e., drawing and drawing revision number or specific part number) of part(s) he is supplying and a specific statement of part interchangeability on the Certificate of Conformance to the order.

4. Supplier statement of interchangeability shall state that:

Items supplied for shipment with W procurement document are certified to be interchangeable with prior drawing or part number revisions as to fit, function and materials and that any known changes in these characteristics have been reviewed and approved by the responsible engineering design function to assure that interchangeability has been maintained considering Westinghouse Equipment Specification and ASME Code requirements, as applicable.

5. The Supplier (except NED manufacturing divisions and certain other that Westinghouse divisions qualified to retain their own documentation) shall submit copies of documentation as required by the procurement documents, including a copy of the Certificate of Conformance, to NSD.

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ATTACHMENT 6 (Continued)

6. A W Quality Release is not normally required. However, W surveillance and Quality Release may be required in purchase order quality requirements for some QA code D items based on assessment of complexity, cost and potential impact of future customer plant servicing, fueling or other similar time-critical plant operations.

III. QA Code C Quality Procurement Provisions

1. No documentation need be provided with the part(s) except part identification and shipping information.
2. An unpriced procurement document shall be provided to the customer. Transmittal is made no later than 90 days after parts shipment.
3. Requirements of 10CFR21 do not apply.

Note: 10CFR21 does not apply to QA Code C items for one or two reasons:

- a) items do not have safety significance
- b) items do have safety significance but they are commercially available and the items to be used in safety-significant applications are to be dedicated to such usage at receipt.

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ATTACHMENT 7

BROWN & ROOT INC.,
Quality Assurance Department
RECEIVING TUGCO/G&H SAFETY RELATED EQUIPMENT

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Is receiving inspection satisfactory per para. 3.4/3.4.1?	—	—	—
2. Check documents received with shipment.	—	—	—
a. G&H Quality Assurance Release (QAR) obtained?	—	—	—
b. Are "Review Checklist" items on QAR accepted?	—	—	—
c. Was final inspection performed by TUGCO/G&H?	—	—	—
d. ASME Code Data Report obtained?	—	—	—
e. Authorization for shipment?	—	—	—
3. Equipment Identification			
a. Do Data Reports and Equipment Code Plate agree?	—	—	—
b. Do Data Report and G&H agree?	—	—	—
c. Does Identification Tab/spin number compare with G&H QAR?	—	—	—
d. Code Data Report satisfactory per para. 3.5.8	—	—	—
4. Was there any damage?	—	—	—
5. For waived shipment, inspection performed per checklist as applicable.	—	—	—
6. Has the material been procured from vendor listed on ASL and satisfactory per para. 3.5.6.	—	—	—

COMMENTS: _____

Receiving Inspector _____ DATE _____

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ATTACHMENT 8

RECEIVING PENETRANT MATERIAL

SAT UNSAT N/A

1. Did the penetrant material arrive on site in an acceptable condition and packaged properly?
2. Is documentation provided with the material as required by the P.O.?
3. Is penetrant material type and letter designation, as required by the P.O., stamped on each can?
4. Is certification available for the batch numbers stamped on each can of the shipment?
5. Is the material certification on original letterhead from the penetrant material manufacturer? Are there any alterations made to the certification?
6. Does the certification list the batch number?

SAT	UNSAT	N/A
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—

COMMENTS:

Receiving Inspector

Date

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ATTACHMENT 9

BROWN & ROOT, INC.
Quality Assurance Department
RECEIVING OF BOLTING MATERIAL

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Is receiving inspection satisfactory per para.3.4/3.4.1, as applicable.	—	—	—
2. Did all required documentation accompany shipment in accordance with Attachment 29?	—	—	—
3. Is shipment packaged satisfactorily?	—	—	—
4. Are material markings in accordance with specification requirements?			
a. ASME/ASTM Specification	—	—	—
b. Manufacturer's Identification	—	—	—
c. Heat Number/Code	—	—	—
5. Is there any damage evident?	—	—	—
6. Have all NDE requirements been met?	—	—	—
7. Is material protected as required by applicable specifications and/or the P.O.?	—	—	—
8. Has applicable color code been applied?	—	—	—

COMMENTS: _____

Receiving Inspector: _____ Date: _____

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ATTACHMENT 10

BROWN & ROOT INC.
Quality Assurance Department

RECEIVING PIPE AND FITTINGS

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Is receiving inspection satisfactory per para. 3.4/3.4.1?	—	—	—
2. Did all required documentation accompany shipment in accordance with Attachment 29?	—	—	—
3. Are material markings in accordance with specification requirements?			
a. ASME/ASTM Specification	—	—	—
b. Manufacturer's Identification	—	—	—
c. Size and Schedule	—	—	—
d. Heat Number/Code	—	—	—
4. Is there any damage evident now that was not noted during the prior to off-loading inspection?	—	—	—
5. Have all NDE requirements been met?	—	—	—
6. Is material protected and packaged satisfactorily as required by applicable specifications and/or the P.O. ?	—	—	—
7. Has applicable color code been applied?	—	—	—

COMMENTS: _____

Receiving Inspector _____ Date _____

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ATTACHMENT 11

BROWN & ROOT INC.
Quality Assurance Department

RECEIVING PROTECTIVE COATING MATERIAL

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Ensure vendor documents are available and are as follows:			
a. Product Identification Certificate	—	—	—
b. B&R Source Inspection Record or Waiver Source Inspection Record	—	—	—
c. Product Identification Certifications are legible, complete and the test data is within range specified for the product/formulation	—	—	—
2. Verify coating material is procured from a source approved by Gibbs & Hill Spec. 2323-AS-31.	—	—	—
3. The Product Identification certification for each product shall be legible, complete, and the test data reported be within the range specified for the product/formulation.	—	—	—
4. Check all containers for following:			
a. Complete and tight closures	—	—	—
b. Leaking and puncture damage	—	—	—
5. Ensure container has a label and each label has the following information:			
a. Product Identification	—	—	—
b. Manufacturer Identification	—	—	—
c. Batch Number	—	—	—
d. Date of Manufacture	—	—	—
6. Verify that the shelf life of the product, except thinners, did not exceed 24 months.	—	—	—

Comments: _____

Receiving Inspector _____ Date _____



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ATTACHMENT 12

BROWN & ROOT INC.
Quality Assurance Department

RECEIVING REBAR

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Check documents received with shipment			
a. Report of Mechanical and Chemical Test	—	—	—
b. Reinforcing Bar Shoplist	—	—	—
c. Loading Diagram	—	—	—
d. Heat Number Log	—	—	—
2. Verify the the following are attached to each bundle			
a. Shipping tags	—	—	—
b. Lift Heat Identification Tag	—	—	—
3. Material has heat number marked as per ASTM A-615	—	—	—
4. Manufacturing markings are correct	—	—	—

Comments: _____

Receiving Inspector _____ Date _____

BROWN & ROOT, INC. CPSES JOB 35-1195	NUMBER	REVISION	ISSUE DATE	PAGE
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ATTACHMENT 13

BROWN & ROOT INC.
Quality Assurance Department

"RECEIVING WELDING STUDS"

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Did all required documentation accompany shipment?	—	—	—
2. Is shipment packaged satisfactorily?	—	—	—
3. Do the container markings include heat number, P.O. numbers and Manufacturer's Identification	—	—	—
4. Is there any damage?	—	—	—
5. Is the manufacturer's certification within the acceptable limits of the applicable specification?	—	—	—
6. Is material identification traceable to the Certifications?	—	—	—

Comments: _____

Receiving Inspector _____ Date _____

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ATTACHMENT 14

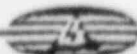
BROWN & ROOT INC.
Quality Assurance Department

"RECEIVING CADWELD SLEEVES AND POWDER"

- | | <u>SAT</u> | <u>UNSAT</u> | <u>N/A</u> |
|--|------------|--------------|------------|
| 1. Review the Material Test Reports for the following: | | | |
| a. Chemical Test Results | == | == | == |
| b. Physical Test Results | == | == | == |
| 2. Verify that Containers for the material include the following: | | | |
| a. Manufacture's identification | == | == | == |
| b. Sleeve lot number | == | == | == |
| c. Powder Cartridge Batch number | == | == | == |
| 3. Verify that material identification is traceable to documentation | == | == | == |
| 4. Vendor Certifications acceptable | == | == | == |
| 5. Shipment is properly packaged | == | == | == |
| 6. No evidence of damage | == | == | == |

Comments: _____

Receiving Inspector _____ Date _____



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ATTACHMENT 15

RECEIVING WELD MATERIAL

BROWN & ROOT INC.
Quality Assurance Department

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Is receiving inspection satisfactory per para. 3.4/3.4.1?	—	—	—
2. Are Material Certifications certified to applicable ASME Section III edition and addenda?	—	—	—
3. Do the documents reflect the SFA specification material was manufactured to?	—	—	—
4. Do the documents reflect the procurement specification material is being procured to? EXAMPLE (WE-010 through WE-180)	—	—	—
5. Do the chemical results of the MTR conform to the Code?	—	—	—
6. Do the mechanical results of the MTR conform to the Code?	—	—	—
7. Are the additional testings as required by the Code and WE specification shown on the MTR; are the results satisfactory?	—	—	—
8. Has the material been procured from vendor listed on the ASL?	—	—	—
9. Are the ASME Certification number and expiration date shown on the certification?	—	—	—
or			
QA program revision and date used shown on the Certification?	—	—	—
Has the QA program revision been accepted by B&R?	—	—	—

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ATTACHMENT 15 (continued)

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
10. Have all required tests been performed by the manufacturer?	—	—	—
11. Do the certification and tests reports meet all the requirements of the applicable specifications?	—	—	—
12. Is material traceable to P.O. and supporting documentation?	—	—	—
13. Are material markings traceable to P.O. and supporting documentation?	—	—	—
14. Is material adequately marked or tagged per P.O. and/or specification?	—	—	—
15. Is there any damage detrimental to the material?	—	—	—

COMMENTS: _____

Inspector _____ Date _____

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ATTACHMENT 16

BROWN & ROOT INC. .
Quality Assurance Department
RECEIVING STRUCTURAL & MISCELLANEOUS STEEL

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Is receiving inspection satisfactory per para. 3.4/3.4.1?	—	—	—
2. Did all required documentation accompany shipment and was it found satisfactory in accordance with Attachment 29?	—	—	—
3. Is shipment packaged satisfactorily?	—	—	—
4. Are material markings in accordance with specification requirements?	—	—	—
5. Is there any damage?	—	—	—
6. Have all NDE requirements been met?	—	—	—
7. Was shipment accompanied by a B&R Department Conformance Certificate?	—	—	—
Was the Certificate signed by a B&R Surveillance Specialist?	—	—	—
If not, is a B&R QA Source Inspection Waiver Form available?	—	—	—

COMMENTS: _____

Inspector _____ Date _____

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ATTACHMENT 17

BROWN & ROOT INC.
Quality Assurance Department

RECEIVING M&TE

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Is documentation available as required?	—	—	—
2. Are all P.O. requirements satisfied?	—	—	—
3. Is there any damage evident?	—	—	—
4. Have applicable QC Receiving status tags been applied?	—	—	—
5. Original M&TE certification forwarded to the Calibration Supervisor.	—	—	—

Comments: _____

Receiving Inspector _____ Date _____

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ATTACHMENT 18

BROWN & ROOT INC.
Quality Assurance Department

RECEIVING RICHMOND SCREW ANCHORS

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Check documents received with shipment			
a. Size and type of screw anchors specified are correct	—	—	—
b. Screw anchors identified so traceability maintained	—	—	—
c. Certified Material Test Report available	—	—	—
d. Physical and chemical results verified	—	—	—
e. Dimensional and load test results verified	—	—	—
f. Material not damaged	—	—	—

Comments: _____

Receiving Inspector _____ Date _____

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ATTACHMENT 19

BROWN & ROOT INC.
Quality Assurance Department

RECEIVING MISCELLANEOUS MATERIAL

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Did the material arrive on site in an acceptable condition and package properly?	—	—	—
2. Is documentation available as required by the P.O. and specifications?	—	—	—
3. Has the received material been tested in accordance with the P.O. and applicable specifications?	—	—	—

Comments: _____

Inspector _____ Date _____

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ATTACHMENT 20

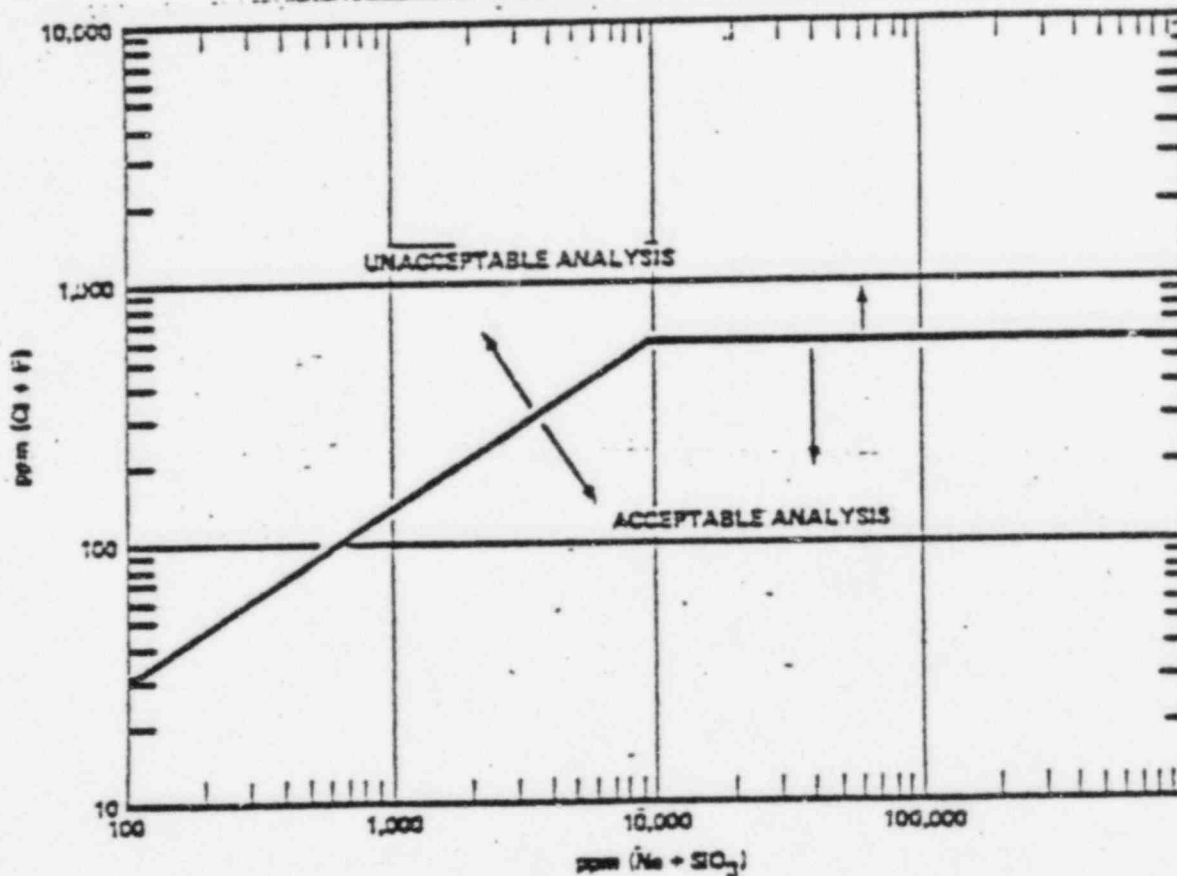


FIGURE 1

ACCEPTABILITY OF INSULATION MATERIAL BASED ON THE
LEACHABLE (Cl + F) AND THE LEACHABLE (Na + SiO₂) ANALYSES

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ATTACHMENT 21

Gibbs & Hill, Inc.
Specification 2121-HS-30
Sheet 1 of 6

APPENDIX 1 TECHNICAL DATA

1 - ANTI-SWEAT INSULATION (CLASS A1 to A3)

Name of manufacturer _____

Trade name of material _____

Composition _____

Maximum material temperature
limits without deterioration
of thermal or physical properties _____

Density _____

Guaranteed thermal conductivity
versus mean temperature _____

Surface burning characteristics

- Flame spread _____
- Fuel contributed _____
- Smoke developed _____

Moisture absorption _____

Stability & shrinkage _____

Coefficient of linear expansion _____

Coefficient of linear contraction _____

Chemical resistance _____

Maximum radiation dose without
impairment of its properties _____

Size (Pipe and sheet) _____

Other data furnished _____

(Note: for anti-sweat insulation in containment also provide
data in accordance with paragraph 1.3.2.2)



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ATTACHMENT 22

Brown & Root Inc.
Quality Assurance Department

RECEIVING NON-REFLECTIVE INSULATION

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Insulation for Stainless Steel	—	—	—
a. Qualification Test	—	—	—
i. Stress Corrosion Test	—	—	—
ii. Chemical Analysis	—	—	—
iii. Burning Characteristics	—	—	—
b. Production Testing	—	—	—
i. Chemical Analysis	—	—	—
2. Insulation for Carbon Steel			
a. Qualification Test			
i. Burning Characteristics	—	—	—
3. Anti-Sweat Insulation			
a. Qualification Test	—	—	—
i. Moisture Vapor Transmission	—	—	—
4. Technical Data Sheet	—	—	—

COMMENTS: _____

RECEIVING INSPECTOR _____ DATE _____

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ATTACHMENT 23

BROWN & ROOT INC.
Quality Assurance Department

DATA PACKAGE REVIEW CHECKLIST

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
1. Review the Data Package for:			
a. Completeness	—	—	—
b. Legibility	—	—	—
c. Traceability to the shipment and purchase order	—	—	—
d. If Code case used the documents reference the Code case number	—	—	—
2. Review the Material Test Report for (as applicable):			
a. Material Manufacturer's name	—	—	—
b. Vendor's Quality System Certificate (QSC) number and expiration date	—	—	—
c. Purchase Order/Contract number	—	—	—
d. Description of the material including specification number, grade, class, type and nominal size, as applicable	—	—	—
e. Description of material identification markings	—	—	—
f. For pipe made to specifications which include both seamless and welded pipe, the report shall designate which type it is	—	—	—
g. Results of chemical analysis	—	—	—
h. Results of tensile tests, including at least ultimate tensile strength and yield strength (or yield point)	—	—	—
i. Reports of weld repairs performed	—	—	—
j. Radiographic films, when radiography is required.	—	—	—

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ATTACHMENT 23 (continued)

	<u>SAT</u>	<u>UNSAT</u>	<u>N/A</u>
k. Charpy V-notch test results, including test temperature, absorbed energy, the lateral expansion, the percent shear, and the location and orientation of the specimen used	—	—	—
1. Non-destructive examination performed and accepted	—	—	—
m. Heat treatment data	—	—	—
n. Hydrostatic test pressure, when required by material specification	—	—	—
o. Results of other tests, such as hardness and cone stripping	—	—	—
p. Statement that material meets NCA-3800 requirement, or Brown & Root accepted QA program revision number and date	—	—	—
q. Certification to ASME Section III applicable Code Edition and Addenda	—	—	—
3. Has the material been procured from vendor listed on ASL and satisfactory per para. 3.5.6	—	—	—

COMMENTS: _____

Receiving Inspector _____ Date _____

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ATTACHMENT 24

~~RECEIVED TO ORDER CASE~~
THIS INSPECTION
DOCUMENTED ON
RIR NO. _____

The following material has been checked by Receiving Inspector and found
to be acceptable. Color Coding may be applied by RIR Receiving.

P.O. _____ RIR _____

RECEIVED: _____

~~RECEIVED TO ORDER CASE~~



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ATTACHMENT 26

FIG. No. 1
THIS INSPECTION
DOCUMENTED ON
RIR NO. _____

FIG. No. 2

QC ACCEPTANCE
DATE _____
SIGNATURE _____

FIG. No. 3

DOCUMENTATION COMPLETE
DATE _____

FIG. No. 4

QA RECORD
DATE: QA REVIEW
FILE NO.
SAMPLE NO.



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ATTACHMENT 27

HEAT _____ CODE _____ CLASS _____ COLOR _____ CODE _____
 MATERIAL TYPE _____ SIZE _____ RATING/SCH. _____
 MATERIAL SPEC _____ TYPE AND GRADE _____
 G&H PIPE CATEGORY _____

[illegible]

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ATTACHMENT 29

RETURNED GOODS AUTHORIZATION

PO/FR _____ DATE _____ RGA _____
 VENDOR _____ TELE _____
 SHIP TO _____ TELE _____
 ADDRESS _____
 VIA _____ PPD _____ COL _____
 REASON FOR RETURN _____

QTY	ITEM DESCRIPTION

PERSON AUTHORIZING RETURN
 DEPT _____ EXT _____

RECEIVED AT WHSE "A" SHIPCUT _____ DATE _____ LOC _____

DATE _____ AUTH TO RETURN SHIPMENT TO VENDOR
 PER _____ ON DOCUMENT # _____

APPROVAL _____ DATE _____
 B & R EXPEDITOR MGR

ACCOUNTING

MEMO TO FILE

FROM: V. Kellum

Date: Aug 30, 1984

Subject: Random Selection of Paint IR's from Vault

1981 - Looked @ 8 folders 1-2" thick could locate only CZ-11 IR's

1982 - Reviewed 2 folders \pm 4" thick

Located CZ-11, 305, 11, 11S and 1201 IR's

1983 - Reviewed 11 folders 1-2" thick, Located CZ-11, 305, 11S, 11, 1201

1984 - ~~2~~ Reviewed 8 folders very thin - All IR's by H. Gunn in paint lab. shop. all other

IR's part of travelers not turned into vault as yet.

RTN. L.	FILE LOC. 17.1.99.3
SUBFILE LOC. 300/PC #	

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

SHEET 1 OF 2
NO. PC-0011202

ITEM DESCRIPTION PROTECTIVE COATINGS	IDENTIFICATION NO. CPI-MEM-MS-01	SYSTEM/STRUCTURE DESIGNATION RB# EL 860
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. OI-QP-11.4-1 Rev. 18
MEASURE OR TEST EQUIP. IDENT. NO. 1643, 2461, 1616		
<input type="checkbox"/> IN PROCESS INSPECTION	<input checked="" type="checkbox"/> PRE-INSTALLATION VERIFICATION	<input 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.

H. J. Gunn 1/3/84
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
1.	Ambient conditions checked per Para. 3.1.1 and recorded below: DATE: <u>1/3/84</u> TIME: <u>1:00 PM</u> WET BULB TEMP: <u>41°</u> DRY BULB TEMP: <u>52°</u> RELATIVE HUMIDITY: <u>35%</u> DEW POINT: <u>26°</u> SURF. TEMP: <u>64°</u>	✓			
2.	Abrasive acceptable per Para. 3.1.2.	✓			
3.	Separators installed, drained, and drains left partially open.	✓			
4.	Air supply free of contamination.	✓			
5.	Verify that solvent cleaning performed prior to blasting in accordance with para. 3.1.4.	✓			
6.	Blasted surface and profile:	✓			
	a. Blasted surface and surrounding areas cleaned per Para. 3.2.1	✓			
	b. Surface free of foreign matter including grease and oil. 3.2.2.a	✓			
	c. Sharp (non-rounded) projections removed. 3.2.2.b	✓			
	d. Anchor pattern depth 1.0 mil. minimum. 3.2.2.c	✓			
7.	Unique Number stamped on piece (Record Unique Number in Block 3 above.)	✓			
8.	Ambient conditions checked per Para. 3.1.1. prior to primer application and record below. DATE: <u>1/3/84</u> TIME: <u>3:35 PM</u> WET BULB TEMP: <u>44°</u> DRY BULB TEMP: <u>58°</u> RELATIVE HUMIDITY: <u>34%</u> DEW POINT: <u>29°</u> SURF. TEMP: <u>66°</u>	✓			
9.	Substrate surface free of contaminants and less than 24 hours elapsed since blasting.	✓			
10.	Trap, filter or separator installed per Para. 3.3.3.	✓			
11.	Air supply free of contamination.	✓			

ARMED
INDEXED
PPKV

(CONTINUED ON SHEET 2 of 2)

DATE:

Lower Stop Rates
INFORMATION
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COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

1 2
PC 100715

ITEM DESCRIPTION PROTECTIVE COATINGS	IDENTIFICATION NO. CONCRETE COATINGS	SYSTEM / STRUCTURE DESIGNATION RCB #1
SPEC. NO. AS-31	REV. 1	MEASURE NO. TEST EQUIP. IDENT. NO. 2464, 1971, 1616
REF. TO SPEC. & REV. & CHANGE NO. QI-QP-11.4-10, Rev. 9		
<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

Fred Okun 5-5-83
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	INSAT	DATE	QC SIGNATURE
	COAT NO.: SURFACER FINISH COAT				
	ORIGINAL REPAIR				
1.	Verify surface free of grease and oil per Para. 3.1.1 (Required only if surface preparation is by one of the following:				
	a. Water Blasting				
	b. Water blasting with sand injection				
	c. Dry sand blasting				
	d. Bush hammering				
2.	Surface preparation on accordance with CCP-40. LIST METHODS OF SURFACE PREPARATION: HAND TOOLS, POWER TOOLS SOLVENT CLEAN				
3.	Verify surface preparation acceptable and all loose and foreign material removed per Para. 3.1.2.2				
4.	Verify concrete repairs complete (Surfacer only)				
5.	Verify cure time of previous coat before finish coating per Para. 3.4.2.2 (Finish coat only)				
6.	Verify coated surfacer free of unacceptable defects prior to finish coat only per Para. 3.4.2.1				
7.	Verify mixing operations per Para. 3.2				
	a. List material name: NUTEC 120V				
	b. Batch Number(s) of material: 3830-L102 Thinner 3875-A102 3873-A102 Base N/A				
8.	Verify that shelf life of coating materials has not expired				
9.	Verify qualification of applicators (List Applicators) A. BERLANGA L. LOPEZ J. GARCIA				

INFORMATION

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Printer

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PERM. P.L.T. RECORD

FILE NO. 171503

300/PC #

ARMS INDEXED

DATE:

COMANCHE PEAK STEAM ELECTRIC STATION INSPECTION REPORT

QI-QP-11.4-10

Sheet 2 of 2 *3-5-5*

(SUPPLEMENTAL)

FOR FULL HEADINGS, SEE SHEET 1

NO. *PC 10075 100715*

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE
10.	Verify ambient conditions per Para. 3.3.1 <i>3:05 AM</i>	✓			
	DRY BULB: <i>88°</i> WET BULB: <i>66°</i>				
	SURFACE TEMP: <i>95°</i> DEW POINT: <i>52°</i>				
	RELATIVE HUMIDITY: <i>30%</i>				
11.	Verify air supply free of contamination and that traps, filters, and separators are installed	✓			
12.	Verify pot life not exceeded	✓			
13.	Record wet film thickness:	✓			
	<i>305-583</i>				
	% VOLUME SOLIDS: <i>48% 48%</i>				
	DFT = WFT x %Vol. Sol.				
	Min. WFT = <i>7.0</i> Min. DFT = <i>3.36</i>				
	Max. WFT = <i>9.0</i> Max. DFT = <i>4.32</i>				
	Avg. WFT = <i>7.8</i> Avg. DFT = <i>3.74</i>				
	(Record additional sets of readings in Remarks)				
	MIN WFT <i>7.0</i> MIN DFT <i>3.36</i>				
	MAX WFT <i>10.0</i> MAX DFT <i>4.8</i>				
	AVG WFT <i>8.0</i> AVG DFT <i>3.84</i>				

REMARKS: (DWG, SPEC, ETC.) *APPLIED NUTER 1201 FINISH COAT TO FOLLOWING AREA:*

ⓧ PRESSURIZER VALVE ROOM EL. 905' AZ. 70°
- RECOATED ALL WALLS & CEILING IN THIS ROOM

ADDITIONAL READINGS

MIN WFT 9.0 MIN DFT 3.6 MIN WFT 7.0 MIN DFT 3.36
MAX WFT 12.0 MAX DFT 5.76 MAX WFT 12.0 MAX DFT 5.76
AVG WFT 9.6 AVG DFT 4.0 AVG WFT 9.2 AVG DFT 4.4
MIN WFT 8.0 MIN DFT 3.84 MIN WFT 7.0 MIN DFT 3.36
MAX WFT 10.0 MAX DFT 4.8 MAX WFT 9.0 MAX DFT 5.76
AVG WFT 8.5 AVG DFT 4.0 AVG WFT 8.2 AVG DFT 4.9
305-583

NOTE: FOR BACKFIT REPORTS AFFECTING THIS AREA REFERENCE PCR 01849 & PCR 01931

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

FEDERAL RECORD

RTN. L FILE LOC. 17.1.99.3
SUBFILE LOC. 300/PC #

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2
NO. PC-0011202

ITEM DESCRIPTION: PROTECTIVE COATINGS
IDENTIFICATION NO. CP1-MEMMS-01
SYSTEM/STRUCTURE DESIGNATION RB# EL 860
SPEC. NO. AS-31
REV. 1
REF. Q.C. CCC. & REV. & CHANGE NO. QI-QP-11.4-1 Rev. 18
MEASURE OR TEST EQUIP. IDENT. NO. 1643, 2461, 1616

☐ 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

H. J. Gunn 1/3/84
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
1.	Ambient conditions checked per Para. 3.1.1 and recorded below: DATE: 1/3/84 TIME: 1:00 PM WET BULB TEMP: 41° DRY BULB TEMP: 52° RELATIVE HUMIDITY: 35% DEW POINT: 26° SURF. TEMP: 64°	✓			
2.	Abrasive acceptable per Para. 3.1.2.	✓			
3.	Separators installed, drained, and drains left partially open.	✓			
4.	Air supply free of contamination.	✓			
5.	Verify that solvent cleaning performed prior to blasting in accordance with para. 3.1.4.	✓			
6.	Blasted surface and profile:	✓			
	a. Blasted surface and surrounding areas cleaned per Para. 3.2.1	✓			
	b. Surface free of foreign matter including grease and oil. 3.2.2.a	✓			
	c. Sharp (non-rounded) projections removed. 3.2.2.b	✓			
	d. Anchor pattern depth 1.0 mil. minimum. 3.2.2.c	✓			
7.	Unique Number stamped on piece (Record Unique Number in Block 3 above.)	✓			
8.	Ambient conditions checked per Para. 3.1.1. prior to primer application and record below. DATE: 1/3/84 TIME: 3:35 PM WET BULB TEMP: 44° DRY BULB TEMP: 50° RELATIVE HUMIDITY: 34% DEW POINT: 29° SURF. TEMP: 66°	✓			
9.	Substrate surface free of contaminants and less than 24 hours elapsed since blasting.	✓			
10.	Trap, filter or separator installed per Para. 3.3.3.	✓			
11.	Air supply free of contamination.	✓			

(CONTINUED ON SHEET 2 of 2)

ARMS INDEXED

DATE:

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. 11-0011201

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. *		SYSTEM / STRUCTURE DESIGNATION RB#1	
SPEC. NO. AS-31	REV. 1	REF. Q.C. OCC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 27		MEASURE OR TEST EQUIP. IDENT. NO. 1643, 2461, 1614, 2798, 1813	
<input type="checkbox"/> IN PROCESS INSPECTION	<input checked="" type="checkbox"/> PRE INSTALLATION VERIFICATION	<input type="checkbox"/> INSTALLATION INSPECTION	<input type="checkbox"/> FINAL INSPECTION	<input type="checkbox"/> PRE TEST INSPECTION	
INSP. RESULTS					
<input checked="" type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY					
<input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW					
ITEM NO.	INSPECTION ATTRIBUTES			SAT	UNSAT
	SEAL COAT	FINISH COAT			
	ORIGINAL	REPAIR			
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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 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>11/3/84</u> TIME: <u>11:30AM</u> W.B. <u>56%</u> D.B. <u>71°</u> S.T. <u>74°</u> D.P. <u>43°</u> R.H. <u>56%</u>			✓	
(CONTINUED ON SHEET 2 OF 2)					
REMARKS (QWGS, SPECS, ETC.) <u>N/A</u>					
PERM. PLT. RECORD RTN L FILE FOR 993 SUBFILE LOC. 300/PC #					
RELATED NCR NO. <u>N/A</u>	I.R. CLOSED <input type="checkbox"/>		DATE <u>N/A</u>	SIGNATURE <u>N/A</u> QC INSPECTOR	

ARMS
INDEXED

DATE:

COMANCHE PEAK STEAM ELECTRIC STATION INSPECTION REPORT

QI-QP-11.4-5, R. 27
Sheet 2 of 2

(SUPPLEMENTAL)

FOR FULL HEADINGS, SEE SHEET 1

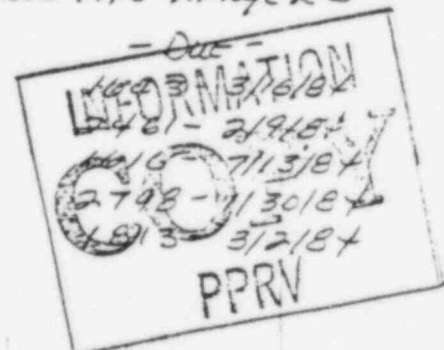
NO. DCI-0011205

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	Q.C. SIGNATURE
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: D HALL	✓			
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 CCP-30 OR CCP-30A AND PARA. 3.3.5.	✓			
13.	COATING MATERIAL PRODUCT IDENTIFICATION: Phen RECORD BATCH NUMBERS: 0800, 4312 PART A: 3H2379M 3A1197M PART B: 3H2380M 3B1195M THINNER: 3J3033M 3K3394M TIME MIXED: 8:12AM 10:55AM DATE: 1/3/84	✓			
14.	VERIFY POT LIFE AS STATED IN CCP-30 AND CCP-30A IS NOT EX- CEEDED PER PARA. 3.3.5.3	✓			

REMARKS: (DWGS, SPECS, ETC.)

* Min Max Avg
C13007248-9 4.0 5.0 4.5
820 QP00942 3.0 4.0 3.5
CC-2-234-415-C53R DCA- 11421
CC-2-261-404-C53R " "
220 MS-2-151-446-C52K " "
FW-1-098-012-C62K " "
MS-1-003-006-C72K " "

1ea Elec. HANGER
8ea Misc. Elec. Fab. (QP00942)
6ea PIPE HANGERS



RELATED NCR NO.

N/A

I.R. CLOSED



DATE

N/A

SIGNATURE

N/A

QC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC-0011201

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. 2		SYSTEM / STRUCTURE DESIGNATION RB#1	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 27		MEASURE OR TEST EQUIP. IDENT. NO. 1643, 2461, 1616, 2798, 1813	

☐ 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

QC INSPECTOR

DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	FINISH COAT				
	ORIGINAL				
	REPAIR				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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 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>1/3/84</u> TIME: <u>11:30AM</u> W.B. <u>56°</u> D.B. <u>71°</u> S.T. <u>74°</u> D.P. <u>43°</u> R.H. <u></u>				
(CONTINUED ON SHEET 2 of 2)					

REMARKS (DWGS, SPECS, ETC.) N/AINFORMATION
COPY
PERM. PLT. RECORDRTN
L
SUBFILE LOC.

300/PC #

RELATED NCR NO.

N/A

I.R. CLOSED

☐

DATE

N/A

SIGNATURE

QC INSPECTOR

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DATE:

COMANCHE PEAK STEAM ELECTRIC STATION INSPECTION REPORT

QI-QP-11.4-5, R. 27
Sheet 2 of 2

(SUPPLEMENTAL)

FOR FULL HEADINGS, SEE SHEET 1

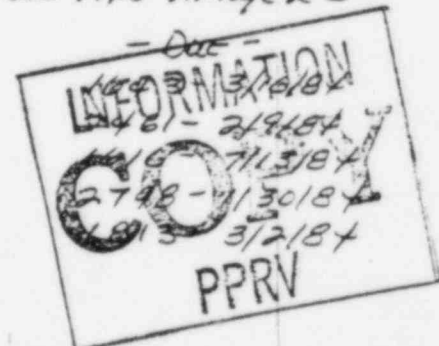
NO. DCI-0011205

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	Q.C. SIGNATURE
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: D HALL	✓			
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 CCP-30 OR CCP-30A AND PARA. 3.3.5.	✓			
13.	COATING MATERIAL PRODUCT IDENTIFICATION: Phen RECORD BATCH NUMBERS: 0800, 4312 PART A: 3H2379M 3A1197M PART B: 3H23A0M 3A1195M THINNER: 3J3033M 3K3399M TIME MIXED: 8:12AM 10:55AM DATE: 1/3/84	✓			
14.	VERIFY POT LIFE AS STATED IN CCP-30 AND CCP-30A IS NOT EX- CEEDED PER PARA. 3.3.5.3	✓			

REMARKS: (DWGS, SPECS, ETC.)

		Min	Max	Avg
C13007248-9		4.0	5.0	4.5
8ea QP00942		3.0	4.0	3.5
CC-2-234-415-C53R	DCA-	11	42	1
CC-2-261-404-C53R	"	"	"	"
2ea MS-2-151-446-C52K	"	"	"	"
FW-1-098-012-C62K	"	"	"	"
MS-1-003-006-C72K	"	"	"	"

1ea Elec. HANGER
6ea Misc. Elec. FAB. (QP00942)
6ea PIPE HANGERS



RELATED NCR NO.

N/A

I.R. CLOSED



DATE

N/A

SIGNATURE

N/A

QC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION INSPECTION REPORT

1 2
NO. PC 100715

ITEM DESCRIPTION: PROTECTIVE COATINGS CERTIFICATION NO.: CONCRETE COATINGS SYSTEM / STRUCTURE DESIGNATION: RCB #1
SPEC. NO.: AS-31 REV.: 1 REF. Q.C. DOC. & REV. & CHANGE NO.: QI-QP-II.4-10, Rev. 9 MEASURE NO.: 2464 TEST EQUIP. IDENT. NO.: 1971, 1616

☐ 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

Jack Dunham 5-5-83
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	COAT NO.: SURFACER FINISH COAT				
	ORIGINAL REPAIR				
1.	Verify surface free of grease and oil per Para. 3.1.1 (Required only if surface preparation is by one of the following: a. Water Blasting b. Water blasting with sand injection c. Dry sand blasting d. Bush hammering)		N/A		
2.	Surface preparation on accordance with CCP-40. LIST METHODS OF SURFACE PREPARATION: <u>HAND TOOLS, POWER TOOLS</u> <u>SOLVENT CLEAN</u>				
3.	Verify surface preparation acceptable and all loose and foreign material removed per Para. 3.1.2.2		N/A		
4.	Verify concrete repairs complete (Surfacer only)		N/A		
5.	Verify cure time of previous coat before finish coating per Para. 3.4.2.2 (Finish coat only)				
6.	Verify coated surfacer free of unacceptable defects prior to finish coat only per Para. 3.4.2.1				
7.	Verify mixing operations per Para. 3.2 a. List material name: <u>NUTEC 120V</u> b. Batch Number(s) of material: <u>3830-L102 Thinner 3875-A102</u> <u>3873-A102 Base N/A</u>				
8.	Verify that shelf life of coating materials has not expired				
9.	Verify qualification of applicators (List Applicators) <u>A. BERLANGA</u> <u>L. LOPEZ</u> <u>J. GARCIA</u>				

PERM. PLT. RECORD
RTN FILE LOC. 71.50.3
SUBFILE LOC. 300/PC #

INFORMATION
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DATE:

COMANCHE PEAK STEAM ELECTRIC STATION INSPECTION REPORT

QI-QP-11.4-10

Sheet 2 of 2 *305583*

(SUPPLEMENTAL)

FOR FULL HEADINGS, SEE SHEET 1

NO. *PC 10075 100715*

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE
10.	Verify ambient conditions per Para. 3.3.1 <i>3105 AM</i>	✓			
	DRY BULB: <i>88°</i> WET BULB: <i>66°</i>				
	SURFACE TEMP: <i>95°</i> DEW POINT: <i>52°</i>				
	RELATIVE HUMIDITY: <i>30%</i>				
11.	Verify air supply free of contamination and that traps, filters, and separators are installed	✓			
12.	Verify pot life not exceeded	✓			
13.	Record wet film thickness:	✓			
	<i>305583</i>				
	% VOLUME SOLIDS: <i>48% 48%</i>				
	DFT = WFT x %Vol. Sol.				
	Min. WFT = <i>7.0</i> Min. DFT = <i>3.36</i>				
	Max. WFT = <i>9.0</i> Max. DFT = <i>4.32</i>				
	Avg. WFT = <i>7.8</i> Avg. DFT = <i>3.74</i>				
	(Record additional sets of readings in Remarks)				
	<i>MIN WFT 7.0 MIN DFT 3.36</i>				
	<i>MAX WFT 10.0 MAX DFT 4.8</i>				
	<i>AVG WFT 8.0 AVG DFT 3.8'</i>				

REMARKS: (DWGS, SPECS, ETC.) *APPLIED NUTER 1201 FINISH COAT TO FOLLOWING AREA:*

ⓧ
PRESSURIZER VALVE ROOM EL. 905' AZ. 70°

- RECOATED ALL WALLS & CEILING IN THIS ROOM

INFORMATION
COPY

ADDITIONAL READINGS

*MIN WFT 8.0 MIN DFT 3.36 MAX WFT 12.0 MAX DFT 5.16
AVG WFT 9.6 AVG DFT 4.0*

*MIN WFT 8.0 MIN DFT 3.36 MAX WFT 12.0 MAX DFT 5.16
AVG WFT 9.6 AVG DFT 4.0*

NOTE: FOR BACKFIT REPORTS AFFECTING THIS AREA REFERENCE PCR 01849 & PCR 01931

RELATED NCR NO.

N/A

I.R. CLOSED *N/A*

DATE

N/A

SIGNATURE *N/A*

INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC100752

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. Thin 5-107 VALVE RM.		SYSTEM / STRUCTURE DESIGNATION RCB 1 FL. 905.9"	
SPEC. NO. AS-11	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-10, Rev. 9		MEASURE OR TEST EQUIP. IDENT. NO. 2460 - 2497 - 1631	
<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					
<input checked="" type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY					
<input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW					
ITEM NO.	INSPECTION ATTRIBUTES			SAT	UNSAT
	COAT NO.:	SURFACER	FINISH COAT		
	ORIGINAL	REPAIR			
1.	Verify surface free of grease and oil per Para. 3.1.1			N/A	
	(Required only if surface preparation is by one of the following:				
	a. Water Blasting				
	b. Water blasting with sand injection				
	c. Dry sand blasting				
	d. Bush hammering				
2.	Surface preparation on accordance with CCP-40.				
	LIST METHODS OF SURFACE PREPARATION:				
	HAND SANDED				
	SOLVENT WIPED				
3.	Verify surface preparation acceptable and all loose			N/A	
	and foreign material removed per Para. 3.1.2.2				
4.	Verify concrete repairs complete (Surfacer only)			N/A	
5.	Verify cure time of previous coat before finish coating			N/A	
	per Para. 3.4.2.2 (Finish coat only)				
6.	Verify coated surfacer free of unacceptable defects			N/A	
	prior to finish coat only per Para. 3.4.2.1				
7.	Verify mixing operations per Para. 3.2				
	a. List material name: NUTEC 1201				
	b. Batch Number(s) of material:				
	3830 - L102 Thinner 3875 - A102 Curing Agent				
	3874 - A102 Base Filler				
8.	Verify that shelf life of coating materials has not expired				
9.	Verify qualification of applicators				
	(List Applicators)				
	C. BALDERAS				

PERM. PLT. RECORD

FILE LDC.

17.1 / 93

SUBFILE LDC.

300/PC #

INFORMATION INDEXED

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PPRV

CMV 5-11-83

COMANCHE PEAK STEAM ELECTRIC STATION INSPECTION REPORT

(SUPPLEMENTAL)

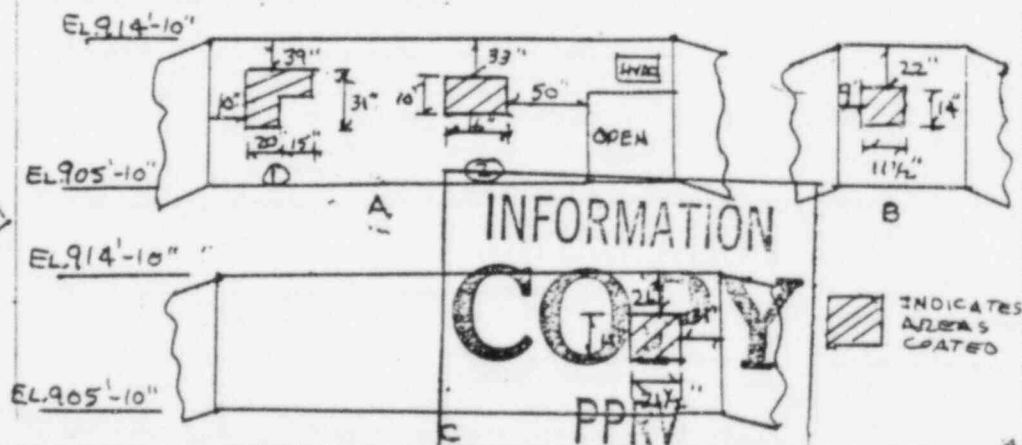
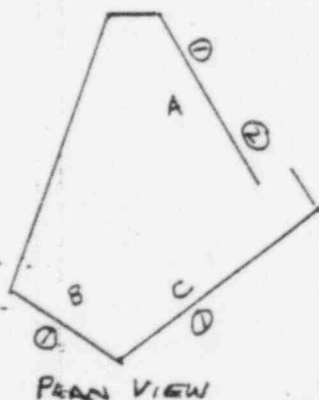
Sheet 2 of 2 QI-QP-11.4-10

FOR FULL HEADINGS, SEE SHEET 1

NO. PC100752

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE
10.	Verify ambient conditions per Para. 3.3.1	✓			
	DRY BULB: <u>87°</u> WET BULB: <u>74°</u>				
	SURFACE TEMP: <u>93°</u> DEW POINT: <u>68°</u>				
	RELATIVE HUMIDITY: <u>54%</u>				
11.	Verify air supply free of contamination and that traps, filters, and separators are installed	✓			
12.	Verify pot life not exceeded	✓			
13.	Record wet film thickness:	✓			
	% VOLUME SOLIDS: <u>47% WITH 20 OZ. THINNER ADDED</u>				
	DFT = WFT x %Vol. Sol. (A-1) TOOK READING (10 MILS)				
	Min. WFT = <u>7.0</u> Min. DFT = <u>3.3</u>				
	Max. WFT = <u>10.0</u> Max. DFT = <u>4.7</u>				
	Avg. WFT = <u>8.7</u> Avg. DFT = <u>4.1</u>				
	(Record additional sets of readings in Remarks)				
	(A-2) TOOK READING (3.5 MILS) (B) TOOK READING (7.5 MILS)				
	MIN WFT 8.0 DFT 3.8				
	MAX WFT 12.0 DFT 5.6				
	AVG WFT 9.9 DFT 4.7				
	(C) TOOK READING (6.0 MILS)				
	MIN WFT 7.0 DFT 3.3				
	MAX WFT 14.0 DFT 6.6				
	AVG WFT 8.4 DFT 3.9				

REMARKS: (DWGS, SPECS, ETC.) FINISH COAT REPAIR (RECOAT) TO AREAS AS NOTED BELOW.



RELATED NCR NO. N/A I.R. CLOSED ☐ DATE N/A SIGNATURE N/A QC INSPECTOR 16

COMANCHE PEAK STEAM ELECTRIC STATION

SHEET 1 OF 2

INSPECTION REPORT

NO. PC100762

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. RPI Rm #163		SYSTEM / STRUCTURE DESIGNATION RCB-1 EL. 860	
SPEC. NO. AS-31	REV. 1	REF. Q.C. CCC. & REV. & CHANGE NO. QI-QP-11.4-10, Rev. 9		MEASURE OR TEST EQUIP. IDENT. NO. 2497-2460	
<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					
<input checked="" type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY					
<input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW					
QC INSPECTOR <u>Thomas Harrison</u> DATE <u>5-6-83</u>					
ITEM NO.	INSPECTION ATTRIBUTES				QC SIGNATURE
	COAT NO.:	SURFACER	FINISH COAT		
	ORIGINAL	REPAIR			
1.	Verify surface free of grease and oil per Para. 3.1.1				N/A
	(Required only if surface preparation is by one of the following:				
	a. Water Blasting				
	b. Water blasting with sand injection				
	c. Dry sand blasting				
	d. Rush hammering				
2.	Surface preparation on accordance with CCP-40.				
	LIST METHODS OF SURFACE PREPARATION:				
	HAND SAND				
	WATER WIRE				
3.	Verify surface preparation acceptable and all loose				N/A
	and foreign material removed per Para. 3.1.2.2				
4.	Verify concrete repairs complete (Surfacer only)				N/A
5.	Verify cure time of previous coat before finish coating				N/A
	per Para. 3.4.2.2 (Finish coat only)				
6.	Verify coated surfacer free of unacceptable defects				N/A
	prior to finish coat only per Para. 3.4.2.1				
7.	Verify mixing operations per Para. 3.2				
	a. List material name: NUTEC II				
	b. Batch Number(s) of material:				
	N/A Thinner 3712-1072 Curing Agent 3826-6082				
	Base 3832-1102 Filler				
8.	Verify that shelf life of coating materials has not expired				
9.	Verify qualification of applicators				
	(List Applicators) C. BALDERAS, P. SALAZAR,				
	R. HARRISON, A. BALDERAS, M. HERMISTO				

PERM. FLT. RECORD

ARMS INDEXED

DATE

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

QI-QP-11.4-10

Sheet 2 of 2

(SUPPLEMENTAL)

FOR FULL HEADINGS, SEE SHEET 1

NO. PC100762

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE
10.	Verify ambient conditions per Para. 3.3.1 DRY BULB: 82° WET BULB: 67° SURFACE TEMP: 83° DEW POINT: 58° RELATIVE HUMIDITY: 45%				
11.	Verify air supply free of contamination and that traps, filters, and separators are installed (TOWEL & SQUEEGE)				
12.	Verify pot life not exceeded				
13.	Record wet film thickness:				
	AREAS TOO SMALL FOR WFT PER DCA 12794				
	% VOLUME SOLIDS:				
	DFT = WFT x %Vol. Sol.				
	Min. WFT= Min. DFT=				
	Max. WFT= Max. DFT=				
	Avg. WFT= Avg. DFT=				
	(Record additional sets of readings in Remarks)				

REMARKS: (DWGS, SPECS, ETC.)

NUMEROUS SPOT REPAIRS TO CEILING AND (3) CONCRETE WALLS IN RPI RM #163. AREAS TOO SMALL TO TAKE ACCURATE WFT READINGS.

INFORMATION
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PPRV

RELATED NCR NO.

N/A

I.R. CLOSED



DATE

N/A

SIGNATURE

N/A

QC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

SHEET 1 OF 2
NO. PC100067

DESCRIPTION PROTECTIVE COATINGS	CERTIFICATION NO. <u>See Remarks</u>	SYSTEM/STRUCTURE DESIGNATION <u>RCB</u>
SPEC. NO. AS-31	REV. 1	MEASURE/CR TEST EQUIP. CERT. NO. 2498 2014
REF. CC, CCC, & REV. & CHANGE NO. QI-QP-II.4-10, Rev. 9		

☐ 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

Mark Dandy 5-3-83
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SA	UNSA	DATE	QC SIGNATURE
	COAT NO.: SURFACER FINISH COAT				
	ORIGINAL REPAIR				
1.	Verify surface free of grease and oil per Para. 3.1.1 (Required only if surface preparation is by one of the following: a. Water Blasting b. Water blasting with sand injection c. Dry sand blasting d. Bush hammering			N/A	
2.	Surface preparation on accordance with CCP-40. LIST METHODS OF SURFACE PREPARATION: <u>Hand tool and solvent wipe</u>				
3.	Verify surface preparation acceptable and all loose and foreign material removed per Para. 3.1.2.2			N/A	
4.	Verify concrete repairs complete (Surfacer only)			N/A	
5.	Verify cure time of previous coat before finish coating per Para. 3.4.2.2 (Finish coat only)			N/A	
6.	Verify coated surfacer free of unacceptable defects prior to finish coat only per Para. 3.4.2.2			N/A	
7.	Verify mixing operations per Para. 3.2 a. List material name: <u>Nutec II</u> b. Batch Number(s) of material: <u>N/A</u> Thinner <u>3712-I072</u> Filler <u>3717-I142</u> Base <u>3709-I072</u>				
8.	Verify that shelf life of coating materials has not expired				
9.	Verify qualification of applicators (List Applicators) <u>A. Berlanga</u>				

INFORMATION
COPY

PERM. PLT. RECORD

FILE LOC.	17.1093	300MFC
INTN		
EXCHNGE LOC.		

ARMS INDEXED

DATE:

QI-QP-11.4-10

Sheet 2 of 2

NO. PC 100697

REMARKS: (DWGS, SPECS, ETC.) Note: 11 Application to small Area less than 1" dia
Elev. 837'10" Az. 190°45' Ref PC 100695 AND NCR C-83-00455

• **

Due to size of AREA NO wft were taken

INFORMATION
COPY
PPRV

RELATED NCR NO. C-83-00455	IS	I.R. CLOSED	<input type="checkbox"/>	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2
NO. PC100758

ITEM DESCRIPTION PROTECTIVE COATINGS	CERTIFICATION NO. <u>Concrete</u>	SYSTEM/STRUCTURE DESIGNATION <u>RR#1 Sac Remarks</u>
SPEC. NO. AS-31	REV. <u>1</u>	REF. Q.C. CCC. & REV. & CHANGE NO. QI-QP-11.4-10, Rev. <u>9</u>
		MEASURE OR TEST EQUIP. IDENT. NO. <u>3498+1972+3</u> <u>254+1433+3280</u>

☐ 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
INSPECTOR ALG DATE 5/4/83

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	COAT NO.: SURFACER <input checked="" type="checkbox"/> FINISH COAT				
	ORIGINAL REPAIR <input checked="" type="checkbox"/>				
1.	Verify surface free of grease and oil per Para. 3.1.1 <input checked="" type="checkbox"/> (Required only if surface preparation is by one of the following:				
	a. Water Blasting				
	b. Water blasting with sand injection				
	c. Dry sand blasting				
	d. Bush hammering				
2.	Surface preparation on accordance with CCP-40. <input checked="" type="checkbox"/> LIST METHODS OF SURFACE PREPARATION: <u>Hand Rock & water wipe</u>				
3.	Verify surface preparation acceptable and all loose and foreign material removed per Para. 3.1.2.2 <input checked="" type="checkbox"/>				
4.	Verify concrete repairs complete (Surfacer only) <input checked="" type="checkbox"/>				
5.	Verify cure time of previous coat before finish coating per Para. 3.4.2.2 (Finish coat only) <input checked="" type="checkbox"/>				
6.	Verify coated surfacer free of unacceptable defects prior to finish coat only per Para. 3.4.2.1 <input checked="" type="checkbox"/>				
7.	Verify mixing operations per Para. 3.2 <input checked="" type="checkbox"/> a. List material name: <u>Mutec 115</u> b. Batch Number(s) of material: <u>4A</u> Thinner <u>3918-C162</u> Curing Agent <u>3922-7042</u> Base <u>3892-A342</u> Filler <u>3892-A342</u>				
8.	Verify that shelf life of coating materials has not expired <input checked="" type="checkbox"/>				
9.	Verify qualification of applicators (List Applicators) <u>M. Hermosillo</u> <input checked="" type="checkbox"/>				

PERM. PLT. RECORD

FILE LOC. 17.1.98.3

300/PC #

INFORMATION

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DATE

OMX
5-11-83

QI-QP-11.4-10

Sheet 2 of 2

NO. PC 100258

REMARKS: (DWGS, SPECS, ETC.)

11s Coating on isolated spit in core ~~120~~ 0 to 360
E10783-793 Rm # 153

Its Hand applied area to small for wet

APR 1967
INFORMATION
COPY
PPRV

RELATED NCR NO. <i>119</i>	I.R. CLOSED <input type="checkbox"/>	DATE <i>1/10</i>	SIGNATURE <i>[Signature]</i>	QC INSPECTOR
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COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

Page 1 of 2
NO. **PC100731**

ITEM DESCRIPTION PROTECTIVE COATINGS	IDENTIFICATION NO. <i>* See Remarks</i>	SYSTEM / STRUCTURE DESIGNATION KCBT
SPEC. NO. AS-31	REV. 9	MEASURE OR TEST EQUIP. IDENT. NO. 2499, 2460

<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. Unkles **5-5-83**
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	COAT NO.: SURFACER <input checked="" type="checkbox"/> FINISH COAT				
	ORIGINAL REPAIR <input checked="" type="checkbox"/>				
1.	Verify surface free of grease and oil per Para. 3.1.1 (Required only if surface preparation is by one of the following:				
	a. Water Blasting				
	b. Water blasting with sand injection				
	c. Dry sand blasting				
	d. Bush hammering				
2.	Surface preparation on accordance with CCP-40. LIST METHODS OF SURFACE PREPARATION: <i>Power Sanding (Flyger-Wheel)</i>				
3.	Verify surface preparation acceptable and all loose and foreign material removed per Para. 3.1.2.2				
4.	Verify concrete repairs complete (Surfacer only)				
5.	Verify cure time of previous coat before finish coating per Para. 3.4.2.2 (Finish coat only)				
6.	Verify coated surfacer free of unacceptable defects prior to finish coat only per Para. 3.4.2.1				
7.	Verify mixing operations per Para. 3.2 a. List material name: <i>Nutec HS</i> b. Batch Number(s) of material: <i>N/A Thinner 3892-A242 Curing Agent 3894-A242 Base 3919-SIG2 Filler</i>				
8.	Verify that shelf life of coating materials has not expired				
9.	Verify qualification of applicators (List Applicators) <i>P. Salazar A. Balderas R. Harrison</i> <i>C. Balderas M. Hermosillo</i>				

PERM. FLT. RECORD
 FILE LOC 17.993
 300/PC #

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COPY
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QI-QP-11.4-10

Sheet 2 of 2

NO. PC 100731

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COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

74432-2
PC100229

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. * See Remarks		SYSTEM / STRUCTURE DESIGNATION KCB3 (Tunnel)	
SPEC. NO. AS-31	REV. 1	REF. TO CCC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 13		MEASURE OR TEST EQUIP. IDENT. NO. 2452, 285, 1969, 247, 3260	
<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				QC INSPECTOR	
<input checked="" type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY				J. M. Underwood 4-4-83	
<input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW				DATE	
ITEM NO.	INSPECTION ATTRIBUTES			SAT	INSAT
	SEAL COAT	FINISH COAT			
	ORIGINAL	REPAIR			
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & ID NO.'s:			✓	
	(FOR MULTIPLE ITEMS INDICATE IN "REMARKS" WITH CORRESPONDING DFT READINGS FROM ITEM #3 ABOVE) PER				
A	PARA. 3.1.1.a			* See Remarks	
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:					
DATE: 4-4-83 TIME: 3:20p.m. W.B. 61°F					
D.B. 80°F S.T. 80°F D.P. 63°F R.H. 57%					
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1.1				
	LIST:				
	S. Guest				
<div style="display: flex; justify-content: space-between;"> <div> <p>PERM. PLT. RECORD</p> <p>(CONTINUED ON NEXT PAGE)</p> <p>L 17.1.00.3</p> <p>SUBFILE LOC 300/PC #</p> </div> <div> <p>PPRV</p> <p>ARMS INDEXED</p> <p>DATE:</p> </div> </div>					

(SUPPLEMENTAL)

Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1

NO. PC 100229

REMARKS: (DWG^s, SPECS, ETC.)

* Two Plates 11" x 14" x 1/4" - Same GP No. 00784
DFT Readings of Primer
min 2.0 min 3.5
- max 4.0 max 4.5
avg 2.0 avg 2.6

INFORMATION

INFORMATION
COPY
PPRV

RELATED NCR NO.

NIA

I.R. CLOSED

NIPATE

SIGNATURE _____

~~tail~~

QC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

PC 100203

ITEM DESCRIPTION PROTECTIVE COATINGS	IDENTIFICATION NO. 245EE REMARKS	SYSTEM / STRUCTURE DESIGNATION RCA #1
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 13
		MEASURE OR TEST EQUIP. IDENT. NO. 11616, 2450, 2309, 1946, 1968, 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 BELOWCassandra L Owen 4-2-83
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	ORIGINAL				
	FINISH COAT				
	REPAIR				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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: 4-2-83 TIME: 11:03 AM W.B. 63° D.B. 98° S.T. 93° D.P. 32° R.H. 10%				
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: J.D. Forrester, D. Cross D Remington				

PERM. PLT. RECORD
FILE LOC. 17.1-89.3
SUB. FILE NO. 300/PC #

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ARMS
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DATE: C.M.V.

(CONTINUED ON NEXT PAGE)

(SUPPLEMENTAL)

Sheet 2 of 2

NO. PC 100203

664 INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 3
NO. PC100242

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. * See Remarks		SYSTEM/STRUCTURE DESIGNATION RCB/E 2 Common	
SPEC. NO. AS-31	REV. 1	REF. TO SPEC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 13		MEASURE OR EST. EQUIP. CENT. NO. 2404, 2403, 2014, 2455, 3280	
<input type="checkbox"/> IN PROCESS INSPECTION	<input checked="" type="checkbox"/> PRE-INSTALLATION VERIFICATION	<input type="checkbox"/> INSTALLATION INSPECTION	<input type="checkbox"/> FINAL INSPECTION	<input type="checkbox"/> PRE-TEST INSPECTION	
INSPECTION RESULTS					
<input checked="" type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY					
<input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW					
				QC INSPECTOR <u>J.M. DiChenza</u> DATE <u>4-5-83</u>	

ITEM NO.	INSPECTION ATTRIBUTES	SAT	INSAT	DATE	SIGNATURE
	SEAL COAT				
	FINISH COAT	✓			
	ORIGINAL				
	REPAIR	✓			
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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>4-5-83</u> TIME: <u>3:45</u> W.B. <u>330</u>				
	D.B. <u>100°</u> S.T. <u>67°</u> D.P. <u>41°</u> R.H. <u>40%</u>				
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1.10 LIST: <u>J. Guest.</u>				

(CONTINUED ON NEXT PAGE)

PERM. PLT. RECORD

17.1.99.3

PPRV

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DATE:

COMANCHE PEAK STEAM ELECTRIC STATION INSPECTION REPORT

(SUPPLEMENTAL)

Sheet 2 of 3

FOR FULL HEADINGS, SEE SHEET 1

NO. PC100242

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.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	<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: <u>phen 305, 4312</u>	<input checked="" type="checkbox"/>			
	RECORD BATCH NUMBERS:				
	PART A: <u>3A017317</u>				
	PART B: <u>3A005817</u>				
	THINNER: <u>2m34317</u>				
	TIME MIXED: <u>2:11 PM</u> DATE: <u>4-5-83</u>				
14.	VERIFY POT LIFE AS STATED IN CCP30 AND CCP30A IS NOT EXCEEDED PER PARA. 3.3.5.3	<input checked="" type="checkbox"/>			

REMARKS: (DWGS, SPECS, ETC.) Finish Coat Elect. Conduit hangers & shims

# of Paces	Size	QP #	DFT. min	max	Aver	min	max	Aver
10	6 1/4" x 12" x 1/4"	QP20412	2.0	4.0	3.0			
2	26" x 6" x 1/2"	QP00747	2.0	4.5	3.2	2.5	5.0	4.2

Hanger #	QP #	Min.	Max	Aver
C14G21441-3	QP20412	2.5	4.0	3.2
C14G30157-1	QP20412	2.0	4.0	3.5
C14G21440-7	QP20412	3.0	5.0	4.0
C14G21440-8	QP20412	2.5	4.5	3.0
C14G21432-17	QP20412	2.0	4.0	2.7
C14G21432-16	QP20412	3.0	4.0	3.4
C14G21432-19	QP20412	2.5	4.0	3.2
C14G21432-18	QP20412	2.0	4.5	2.8
C14G21441-2	QP20412	2.5	4.5	3.1

RELATED NCR NO

NA3

I.R. CLOSED ☐

DATE

NA

SIGNATURE

NA

QC INSPECTOR

(SUPPLEMENTAL)

Sheet 3 of 3

NO. PC 102453 ²¹⁰₄₅₈₇

REMARKS: (DWGS, SPECS, ETC.)

Hanger #	Q9 II	min.	max.	Aver.
C14W13962-16	QP20412	1.5	4.0	2.8
C14W13962-15	QP20412	2.0	4.5	3.0
C14K13959-5	QP20412	2.5	4.0	3.0
C14G21440-10	QP20412	3.0	5.0	4.0
C14K13959-1-43	QP20412	2.0	4.5	3.0
C14G21440-89	QP20412	1.5	3.5	2.7
C14G21441-1	QP20412	3.0	4.5	3.3
C14G21440-5	QP20412	2.5	3.5	2.7
C14K13959-4	QP20412	3.0	5.0	3.0
C14K13959-7	QP20412	2.0	4.5	3.0

RELATED	NCR NO.	NO.

L.A. CLOSED

DATE _____

SIGNATURE _____

QC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2
NO. 100205

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. *SEE REMARKS		SYSTEM/STRUCTURE DESIGNATION RCB#1		
SPEC. NO. AS-31	REV. 1	REV. TO DOC. & REV. & CHANGE NO. Q1_QP-11.4-5 Rev. 13	MEASURE OF TEST EQUIP. DEV. NO. 4-2-83 2402, 1946, 1968, 3280, 7616			
<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			QC INSPECTOR DATE			
<input checked="" type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY			Cosandra L Owen 4-2-83			
<input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW						
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 OP & ID No.'s for each item in "Remarks")		N/A			
	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-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: 4-2-83 TIME: 3:15 PM WET BULB TEMP: 64.5°F					
	DRY BULB TEMP: 98° RELATIVE HUMIDITY: 12%					
	DEW POINT: 36° SURFACE TEMP: 93°					
8.	Substrate surface free of contaminants and less than 24 hours elapsed since blasting		✓			

(CONTINUED ON NEXT PAGE)

ARMS INDEXED

(SUPPLEMENTAL)

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

NO. PC 100205

REMARKS: (DWGS, SPECS, ETC.) SP-3 Trimmer Repair (total) to Liner wall
Az 207° - 215° El 868'2" - 870'
Az 207° - 211° El 860' - 868'2"

WB 67°

DB 103°

DP 41.

RH 12%

ST 94°

INFORMATION
COPY
PPRV

RELATED NCR NO. N/A	L.R. SUCCESS N/A	DATE 12/13/14	SIGNATURE [Signature]	QC INSPECTOR
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COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2
PC 100204

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. 2. <u>Inner Wall</u>		SYSTEM / STRUCTURE DESIGNATION RBEH Soc Remarks	
SPEC. NO. AS-31	REV. 1	REF. Q.C. OCC. & REV. & CHANGE NO. QI_QP-11.4-5 Rev. <u>13</u>		MEASURE OR TEST EQUIP. IDENT. NO. 1946 + 1968 + 3580 + 1611	
<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					
<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
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 OP & ID No.'s for each item in "Remarks")				DATE 4/2/83
	RECORD: Minimum Spot Test:				
	Maximum Spot Test:				
	Average DFT:				
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: <u>Sp 3</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>4/2/83</u> TIME: <u>1:00 PM</u> WET BULB TEMP: <u>63</u>				
	DRY BULB TEMP: <u>98</u> RELATIVE HUMIDITY: <u>10%</u>				
	DEW POINT: <u>32</u> SURFACE TEMP: <u>93</u>				
8.	Substrate surface free of contaminants and less than 24 hours elapsed since blasting <u>Sp 3</u>				
(CONTINUED ON NEXT PAGE)					

ARMS
INDEXED

DATE:

(SUPPLEMENTAL)

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

NO. PC 100 204

REMARKS: (DWGS, SPECS, ETC.)

Spot Repair: Sp3 +ptime on liner wall at
ELV 857-877 AZ 135-162

Präambel:

al B w B ST RH DP
90 63 93 10 32

INFORMATION
COPY
PPRV

RELATED NCR NO.	I.R. CLOSED	DATE	SIGNATURE	QC INSPECTOR
<i>n/a</i>		<i>2/12</i>	<i>[Signature]</i>	

WTN 4
FILE LOC 77.99.3
SU FILE LOG 300/PC45195

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

ARMS INDEXED

SHEET 1 OF 3
NO. PC 45195

ITEM DESCRIPTION PROTECTIVE COATINGS		CERTIFICATION NO. 2. (X) SEE REMARKS	SYSTEM / STRUCTURE DESIGNATION RCB-2
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-10 REV. 6	MEASURE / CR TEST EQUIP IDENT. NO. 2014, 880, 1631
<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			

INSR. RESULTS

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

Frederick Dunham 6-4-82
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAY	UNSAT	DATE	QC SIGNATURE
	COAT NO.: SURFACER FINISH COAT ✓				
	ORIGINAL REPAIR ✓				
1.	Verify surface free of grease and oil per Para. 3.1.1 (Required only if surface preparation is by one of the following: a. Water blasting b. Water blasting with sand injection c. Dry sand blasting d. Bush hammering	N/A			
2.	Surface preparation in accordance with CCP-40 LIST METHODS OF SURFACE PREPARATION: HAND TOOL, POWER TOOL, SOLVENT CLEAN	✓			
3.	Verify surface preparation acceptable and all loose and foreign material removed per Paragraph 3.1.2.2.	✓			
4.	Verify concrete repairs complete (Surfacer Only)	N/A			
5.	Verify cure time of previous coat before finish coating per Paragraph 3.3.6.2 (Finish Coat Only)	✓			
6.	Verify previously coated surface acceptability per Paragraph 3.4.1.2 (Finish Coat Only)	✓			
7.	Verify mixing operations per Paragraph 3.2 a. List Material name: REACTIC 1201 b. Batch Number(s) of Material: 2450-H212 Thinner 2943-F052 Curing Agent 2942-F052 Base N/A Filler PPRV				
8.	Verify unat shelf life of coating materials has not expired.	✓			
9.	Verify qualification of applicators (List Applicators) C. BALDERAS, A. BALDERAS, P. SALAZAR N. ARCOB, M. HERMOSILLO, J. GARCIA, S. MORENO	✓			

INFORMATION
COPY

Sheet 2 of 3

PC 45195

REMARKS: (DWGS, SPECS, ETC.)

④ 1201 APPLIED OVER 1201 AND VARIOUS SURFACER REPAIR AREAS.
1201 WAS APPLIED TO NORTHEAST WALL OF STEAM GENERATOR COMP. #2
AS SHOWN ON JMT. 3 OF 3. EL. 800 TO 805.4

Note: Attributes Nos. 7, 8, 9, 11, 12, 13, 14 utilized by night shift inspector as coatings PPRV over into night shift. Timothy Wilkerson 6-4-82

RELATED NCR NO. N/A	I.R. CLOSED N/A <input type="checkbox"/>	DATE N/A	SIGNATURE N/A	INSPECTOR
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BROWN & ROOT, INC.

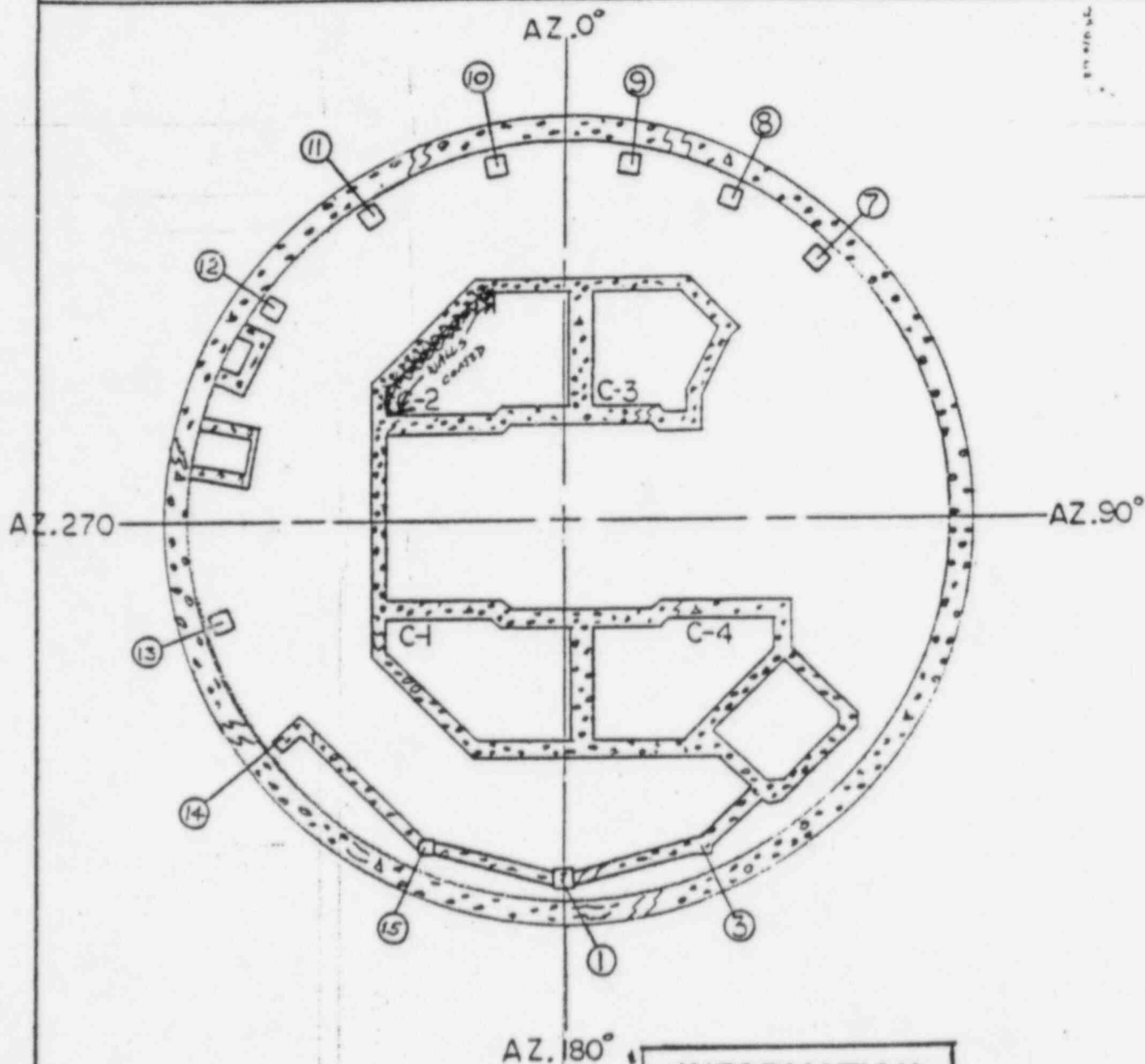
SHEET NO. 3 OF 3

LOCATION/ITEM RCB #2

PC NO. 45195

STEAM GENERATOR COMPARTMENT #2

EL 905'9" TO 8160'



INFORMATION
COPY
PPRV

17.1.99.3
SUBTYPE LOC. 300/PC45179

ARMS
COMANCHE PEAK STEAM ELECTRIC STATION
INDEXED
INSPECTION REPORT

SHEET 1 OF 2
NO. PC45179

ITEM DESCRIPTION: PROTECTIVE COATINGS
DATE: 17.1.99.3
LOCATION NO.: 300/PC45179
SYSTEM / STRUCTURE DESIGNATION: RCB-2 EL: 784 AZ 197°
SPEC. NO.: AS-31
REV.: 1
REF. Q.C. CCC. & REV. & CHANGE NO.: QI-OP-11.4-10 R-6
MEASURE OR TEST EQUIP. IDENT. NO.: 1968, 1946, 1963

☐ IN PROCESS INSPECTION ☐ PRE INSTALLATION VERIFICATION ☒ INSTALLATION INSPECTION ☐ FINAL INSPECTION ☐ PRET. IST INSPECTION

INSPECTION RESULTS

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

QC INSPECTOR: Gary J. Yando
DATE: 6/4-82

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	COAT NO.: SURFACER FINISH COAT				
	ORIGINAL REPAIR				
1.	Verify surface free of grease and oil per Para. 3.1.1 (Required only if surface preparation is by one of the following: a. Water blasting b. Water blasting with sand injection c. Dry sand blasting d. Bush hammering	N/A			
2.	Surface preparation in accordance with CCP-40 LIST METHODS OF SURFACE PREPARATION: HAND TOoled & WATERWIPED				
3.	Verify surface preparation acceptable and all loose and foreign material removed per Paragraph 3.1.2.2.	N/A			
4.	Verify concrete repairs complete (Surfacer Only)	N/A			
5.	Verify cure time of previous coat before finish coating per Paragraph 3.3.6.2 (Finish Coat Only)				
6.	Verify previously coated surface acceptability per Paragraph 3.4.1.2 (Finish Coat Only)				
7.	Verify mixing operations per Paragraph 3.2 a. List Material name: REACTIC 1201 (GREY MIST) b. Batch Number(s) of Material: 245D-H212 Thinner 296B-F192 Curing Agent 3211-K162 Base N/A Filler				
8.	Verify that shelf life of coating materials has not expired.				
9.	Verify qualification of applicators (List Applicators) C. BALDERAS				

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

QI-QP-11.4-10

(SUPPLEMENTAL)

Sheet 2 of 2

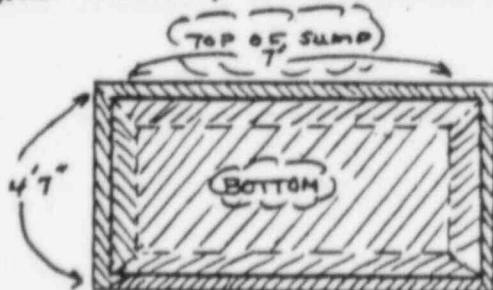
FOR FULL HEADINGS, SEE SHEET 1

NO. PC45179

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	Q.C. SIGNATURE
10.	Verify ambient conditions per Paragraph 3.3.1: DRY BULB: <u>73°F</u> WET BULB: <u>65°F</u> SURFACE TEMP: <u>76°F</u> DEW POINT: <u>60°F</u> RELATIVE HUMIDITY: <u>65%</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
11.	Verify air supply free of contamination and that traps filters and separators are installed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12.	Verify pot life not exceeded.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13.	Verify coated surface free of unacceptable defects per Paragraph 3.3.6 (Surfacer Only) <u>6-4-82 Hyfando</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
14.	Record Wet Film Thickness:	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	% VOLUME SOLIDS: _____				
	DFT = WFT x % Vol. Sol.				
	Min. WFT = <u>11</u> Min. DFT = <u>5.2</u>				
	Max. WFT = <u>16</u> ^{4-7-82 MAX} DFT = <u>7.5</u>				
	Avg. WFT = <u>13</u> Avg. DFT = <u>6.1</u>				
	(Record additional sets of readings in Remarks)				

INFORMATION
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PPRV

REMARKS: (DWGS, SPECS, ETC.) 1201 APPLIED (FINISH COAT) TO SUMP LOCATED ON EL: 784 AZ. 197°. SUMP HAND TOOLED & WATER WIPED PRIOR TO 1201 APPLICATION



RELATED NCR NO.

N/A 15

I.R. CLOSED ☐

DATE

N/A

SIGNATURE

N/A

QC INSPECTOR

ARMS
 INDEXED
 INSPECTION REPORT

FILE NO. 77.199.3
 SUBFILE NO. 300/PC45185

COMMANCHE PEAK STEAM ELECTRIC STATION

SHEET 1 OF 32
 NO. PC 45185

ITEM DESCRIPTION: PROTECTIVE COATINGS
 GENERATION NO.: See Remarks
 SYSTEM / STRUCTURE DESIGNATION: RB # 2

SPEC. NO.: AS-31
 REV.: 1
 REF. Q.C. C.C. & REV. & CHANGE NO.: QI-OP-11.4-10 Rev 6
 MEASURE OR TEST EQUIP. IDENT. NO.: 1970, 19-1643

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

INSP. RESULTS
☒ INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
☐ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

QC INSPECTOR: Timothy Wilkerson
 DATE: 6-10-82

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	COAT NO.: SURFACER FINISH COAT	✓			
	ORIGINAL REPAIR	✓			
1.	Verify surface free of grease and oil per Para. 3.1.1 (Required only if surface preparation is by one of the following: a. Water blasting b. Water blasting with sand injection c. Dry sand blasting d. Bush hammering	N/A			
2.	Surface preparation in accordance with CCP-40 LIST METHODS OF SURFACE PREPARATION: Hand Sand Solvent Wipe	✓	✓		
3.	Verify surface preparation acceptable and all loose and foreign material removed per Paragraph 3.1.2.2.	✓			
4.	Verify concrete repairs complete (Surfacer Only)	N/A			
5.	Verify cure time of previous coat before finish coating per Paragraph 3.3.6.2 (Finish Coat Only)	N/A			
6.	Verify previously coated surface acceptability per Paragraph 3.4.1.2 (Finish Coat Only)	N/A			
7.	Verify mixing operations per Paragraph 3.2 a. List Material name: Nutec 11 b. Batch Number(s) of Material: NONE Thinner 3483-D012 3483-D012 Base 3514-D092 Filler				
8.	Verify that shelf life of coating materials has not expired.				
9.	Verify qualification of applicators (List Applicators) J. Garcia S. Morend	✓	✓		

INFORMATION
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CUMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

QI-QP-11.4-10

Reub

(SUPPLEMENTAL)

Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1

NO.

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE
10.	Verify ambient conditions per Paragraph 3.3.1: DRY BULB: 75° WET BULB: 68° SURFACE TEMP: 76° DEW POINT: 64° RELATIVE HUMIDITY: 70%	✓			
11.	Verify air supply free of contamination and that traps filters and separators are installed. Brush & Squeeze Application	N/A			
12.	Verify pot life not exceeded. Timothy Wilcoxon 6-4-82	✓			
13.	Verify coated surface free of unacceptable defects per Paragraph 3.3.6 (Surfacer Only) See Remarks	✓			
14.	Record Wet Film Thickness:	✓			
	% VOLUME SOLIDS: 78%				
	DFT = WFT x % Vol. Sol.				
	Min. WFT = 10 Min. DFT = 7.8	✓			
	Max. WFT = 15 Min. DFT = 11.7	✓			
	Avg. WFT = 12 Avg. DFT = 9.36	✓			
	(Record additional sets of readings in Remarks)				

INFORMATION
COPY
PPRV

REMARKS: (DWGS, SPECS, ETC.)

⊗ Touch-up application performed on small ledge located on East wall of the Steam Generator Compartment No. 2. Approx Elev. 863'

⊗⊗ Attribute No. 13 verified & found sat. Timothy Wilcoxon 6-10-82

Attributes No. 1-12 and No. 14 verified & found sat.

Timothy Wilcoxon 6-4-82

RELATED NCR NO. N/A 13	I.R. CLOSED <input type="checkbox"/>	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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FILE LOC 19.199.3
SUBFILE LOC 300/PC 45151

INDEXED
COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

SHEET 1 OF 3
NO. PC 45151

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. 2. See Remarks *		SYSTEM / STRUCTURE DESIGNATION RB #2	
SPEC. NO. AS-31	REV. 1	REF. Q.C. CCC. & REV. & CHANGE NO. QI-OP-11.4-10 Rev 6		MEASURE OF TEST EQUIP. IDENT. NO. 1970, 1943 1643	
<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

Timothy W. Wilcoxson 6-4-82
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	COAT NO.: SURFACER B FINISH COAT	✓			
	ORIGINAL REPAIR ✓	✓			
1.	Verify surface free of grease and oil per Para. 3.1.1 (Required only if surface preparation is by one of the following: a. Water blasting b. Water blasting with sand injection c. Dry sand blasting d. Bush hammering	N/A			
2.	Surface preparation in accordance with CCP-40 LIST METHODS OF SURFACE PREPARATION: Hand sand Solvent wipe	✓			
3.	Verify surface preparation acceptable and all loose and foreign material removed per Paragraph 3.1.2.2.				
4.	Verify concrete repairs complete (Surfacer Only)	N/A			
5.	Verify cure time of previous coat before finish coating per Paragraph 3.3.6.2 (Finish Coat Only)	N/A			
6.	Verify previously coated surface acceptability per Paragraph 3.4.1.2 (Finish Coat Only)	N/A			
7.	Verify mixing operations per Paragraph 3.2 a. List Material name: Nucor II b. Batch Number(s) of Material: None Thinner 3131-1032 Curing Agent 3482-DO12 Base 3210-K162 Filler	✓			
8.	Verify that shelf life of coating materials has not expired.	✓			
9.	Verify qualification of applicators (List Applicators) J. Garcia S. Moreno	✓			

INFORMATION
COPY
PPRV

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

QI-QP-11.4-10 Rev 6

(SUPPLEMENTAL)

Sheet 2 of 3

FOR FULL HEADINGS, SEE SHEET 1

NO.

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	Q.C. SIGNATURE
10.	Verify ambient conditions per Paragraph 3.3.1: DRY BULB: <u>85°</u> WET BULB: <u>73°</u> SURFACE TEMP: <u>86°</u> DEW POINT: <u>68°</u> RELATIVE HUMIDITY: <u>57%</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
11.	Verify air supply free of contamination and that traps filters and separators are installed. <i>Brush & scrape application</i> <i>Finely W. Disposal 6-2-82</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12.	Verify pot life not exceeded.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13.	Verify coated surface free of unacceptable defects per Paragraph 3.3.6 (Surfacer Only) <i>Accepted item #13 J. Decker</i> <i>6-4-82</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
14.	Record Wet Film Thickness: % VOLUME SOLIDS: <u>78%</u> DFT = WFT x % Vol. Sol. Min. WFT = <u>4.0</u> Min. DFT = <u>3.12</u> Max. WFT = <u>8.0</u> Min. DFT = <u>6.24</u> Avg. WFT = <u>6.0</u> Avg. DFT = <u>4.68</u> (Record additional sets of readings in Remarks)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

INFORMATION
COPY
DDW/

REMARKS: (DWGS, SPECS, ETC.)

⊗ Touch-up application over several spots. See sheet 3
for location of area.

14. (cont)

MIN. WFT = 4 MIN DFT = 3.12
MAX. WFT = 7 MAX DFT = 5.46
AUG. WFT = 6 AUG DFT = 4.68

MIN WFT = 6 MIN DFT = 4.68
MAX WFT = 10 MAX DFT = 7.8
AUG WFT = 8 AUG DFT = 6.24

MIN WFT = 8 MIN DFT = 6.24
MAX WFT = 12 MAX DFT = 9.36
AUG WFT = 10 AUG DFT = 7.8
Finely W. Disposal 6-2-82

RELATED NCR NO. <u>N/A</u>	I.R. CLOSED <input type="checkbox"/>	DATE <u>N/A</u>	SIGNATURE <u>N/A</u>	QC INSPECTOR
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BROWN & ROOT, INC.

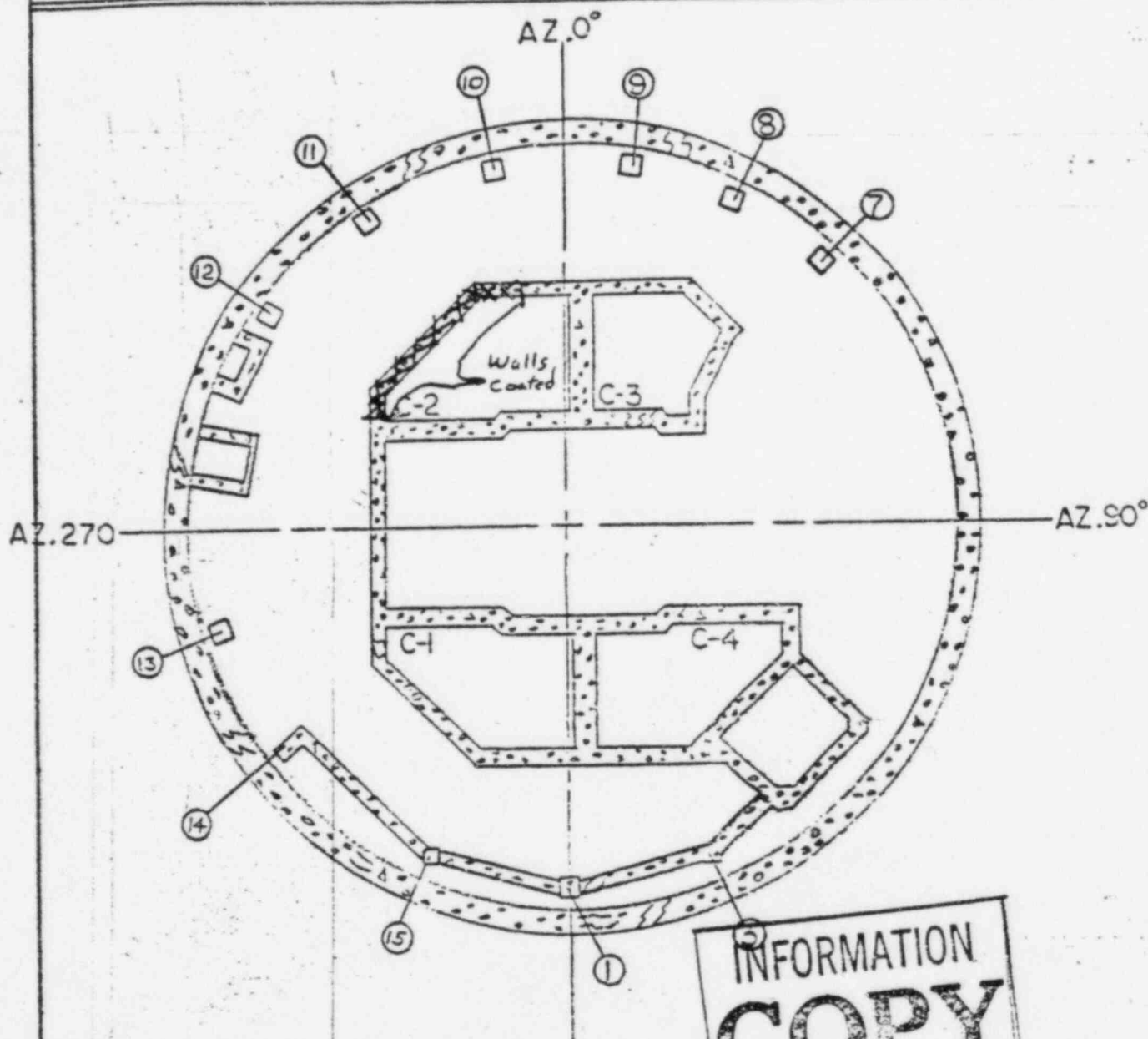
SHEET NO. 3 OF 3

LOCATION / ITEM

PC NO. PC 45-151

R.B. #2 Steam Generator Compartment No. 2

ELV 905'-9" to 860' (approx)



INFORMATION
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RTN 17.1.99.3
 300/AC 45/22

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 3

NO. PC45122

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. * SEE REMARKS	SYSTEM / STRUCTURE DESIGNATION RCB-1 ELEV. 860-903
SPEC. NO. AS-31	REV. 1	REF. Q.C. CCG. & REV. & CHANGE NO. OI-QP-11.4-10 R-6	MEASURE OR TEST EQUIP. IDENT. NO. 1969,880

☐ 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

Gary J. Yando 6-1-82
 QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	COAT NO.: SURFACER ✓ FINISH COAT				
	ORIGINAL REPAIR ✓				
1.	Verify surface free of grease and oil per Para. 3.1.1 (Required only if surface preparation is by one of the following: a. Water blasting b. Water blasting with sand injection c. Dry sand blasting d. Bush hammering				
2.	Surface preparation in accordance with CCP-40 LIST METHODS OF SURFACE PREPARATION: POWER TOOLING & SOLVENT WIPED		✓		
3.	Verify surface preparation acceptable and all loose and foreign material removed per Paragraph 3.1.2.2.		✓		
4.	Verify concrete repairs complete (Surfacer Only)		✓		
5.	Verify cure time of previous coat before finish coating per Paragraph 3.3.6.2 (Finish Coat Only)				
6.	Verify previously coated surface acceptability per Paragraph 3.4.1.2 (Finish Coat Only)				
7.	Verify mixing operations per Paragraph 3.2 a. List Material name: NUTEC 115 b. Batch Number(s) of Material: N/A Thinner 3443-C092 Curing Agent 3445-C102 Base 3339-A292 Filler				
8.	Verify that shelf life of coating materials has not expired.		✓		
9.	Verify qualification of applicators (List Applicators) A. BALDERAS N. ARCOS		✓		

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COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

Sheet 2 of 3

FOR FULL HEADINGS, SEE SHEET 1

NO. AC 45122

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT.	DATE	Q.C. SIGNATURE
10.	Verify ambient conditions per Paragraph 3.3.1: DRY BULB: <u>80°F</u> WET BULB: <u>69°F</u> SURFACE TEMP: <u>80°F</u> DEW POINT: <u>63°F</u> RELATIVE HUMIDITY: <u>57%</u>	✓			
11.	Verify air supply free of contamination and that traps filters and separators are installed. <u>SQUEEGE</u>	NA			
12.	Verify pot life not exceeded.	✓			
13.	Verify coated surface free of unacceptable defects per Paragraph 3.3.6 (Surfacer Only)	NA			
14.	Record Wet Film Thickness: ** SEE REMARKS	NA			
	% VOLUME SOLIDS: _____				
	DFT = WFT x % Vol. Sol.				
	Min. WFT = _____ Min. DFT = _____				
	Max. WFT = _____ Min. DFT = _____				
	Avg. WFT = _____ Avg. DFT = _____				
	(Record additional sets of readings in Remarks)				

INFORMATION

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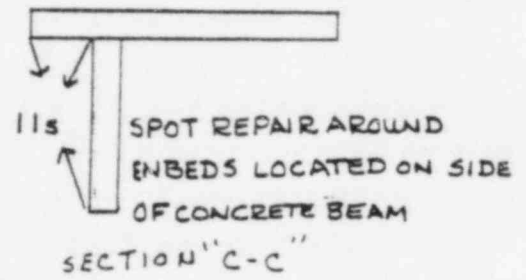
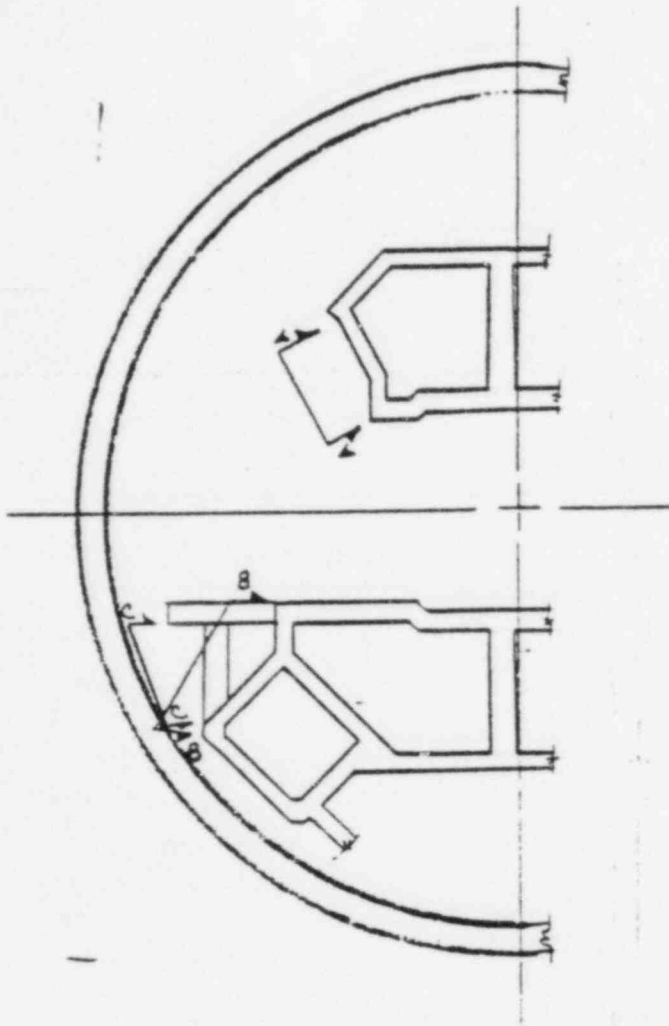
REMARKS: (DWGS, SPECS, ETC.) * SPOT SURFACER REPAIRS TO OUTSIDE WALL OF PRESSURIZER ROOM (NORTH WALL) AS SHOWN ON SHEET 3 OF 3 SECTION "B ⁶⁻¹⁻⁸² - B."

* SPOT SURFACER REPAIRS TO CONCRETE BEAMS AS SHOWN ON SHEET
3 OF 3 SECTION "C-C."

** NO WFT'S TAKEN AS AREAS OF REPAIR WERE 2 SQ. IN. OR LESS IN SIZE. SEEDCA 12794.

RELATED NCR NO. N/A 15	I.R. CLOSED <input type="checkbox"/>	DATE N/A	SIGNATURE <u>N/A</u> QC INSPECTOR
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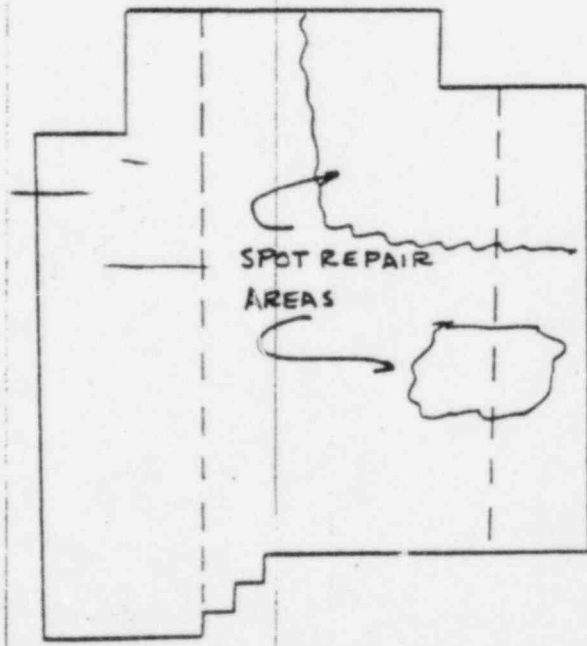
SHEET 3 OF 3
PC 45122
DATE 6-1-82
ELEV. 860-903
PC N/A
BLDG. RCB RCB-1



INFORMATION
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SECTION "A-A"



SECTION "B-B"

RTN 17199.3
 SUBFILE LOG 300/PC45123

ARMS
 COMANCHE PEAK STATION
INDEXED
 INSPECTION REPORT

SHEET 1 OF 3
 NO. PC45123

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. SEE REMARKS	SYSTEM / STRUCTURE DESIGNATION RCB-2 ELEV: 784
SPEC. NO. AS-31	REV. 1	REF. Q.C. CCC. & REV. & CHANGE NO. QI-QP-11.4-10 R-6	MEASURE OR TEST EQUIP. IDENT. NO. 1969,880
<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	1

INSP. RESULTS

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

Sanjiv Yando 6-1-82
 QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	COAT NO.: SURFACER <input checked="" type="checkbox"/> FINISH COAT				
	ORIGINAL REPAIR <input checked="" type="checkbox"/>				
1.	Verify surface free of grease and oil per Para. 3.1.1 (Required only if surface preparation is by one of the following: a. Water blasting b. Water blasting with sand injection c. Dry sand blasting d. Bush hammering		<input checked="" type="checkbox"/>		
2.	Surface preparation in accordance with CCP-40 LIST METHODS OF SURFACE PREPARATION: POWER TOOLING & SOLVENT WIPED		<input checked="" type="checkbox"/>		
3.	Verify surface preparation acceptable and all loose and foreign material removed per Paragraph 3.1.2.2.		<input checked="" type="checkbox"/>		
4.	Verify concrete repairs complete (Surfacer Only)		<input checked="" type="checkbox"/>		
5.	Verify cure time of previous coat before finish coating per Paragraph 3.3.6.2 (Finish Coat Only)		<input checked="" type="checkbox"/>		
6.	Verify previously coated surface acceptability Paragraph 3.4.1.2 (Finish Coat Only)		<input checked="" type="checkbox"/>		
7.	Verify mixing operations per Paragraph 3.2 a. List Material name: NUTEC 115 b. Batch Number(s) of Material: N/A Thinner 3443-C092 Curing Agent PRV 3445-C102 Base 3339-A292 Filler		<input checked="" type="checkbox"/>		
8.	Verify that shelf life of coating materials has not expired.		<input checked="" type="checkbox"/>		
9.	Verify qualification of applicators (List Applicators) C. BALDERAS		<input checked="" type="checkbox"/>		

INFORMATION
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COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

QI-QP-11.4-10

(SUPPLEMENTAL)

Sheet 2 of 3

FOR FULL HEADINGS, SEE SHEET 1

NO. PC45123

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE
10.	Verify ambient conditions per Paragraph 3.3.1: DRY BULB: <u>73°F</u> WET BULB: <u>60°F</u> SURFACE TEMP: <u>74°F</u> DEW POINT: <u>51°F</u> RELATIVE HUMIDITY: <u>46%</u>	✓			
11.	Verify air supply free of contamination and that traps filters and separators are installed. <u>SQUEEGE</u>	✓			
12.	Verify pot life not exceeded.	✓			
13.	Verify coated surface free of unacceptable defects per Paragraph 3.3.6 (Surfacer Only)	✓			
14.	Record Wet Film Thickness <u>SEE REMARKS</u>	✓			
% VOLUME SOLIDS: _____ DFT = WFT x % Vol. Sol. _____ Min. WFT = _____ Min. DFT = _____ Max. WFT = _____ Min. DFT = _____ Avg. WFT = _____ Avg. DFT = _____ (Record additional sets of readings in Remarks)					

INFORMATION
COPY
PPRV

REMARKS: (DWGS, SPECS, ETC.) * SURFACER SPOT REPAIR TO SUMP IN CORE
EL: 784, A2197°(APPROX).

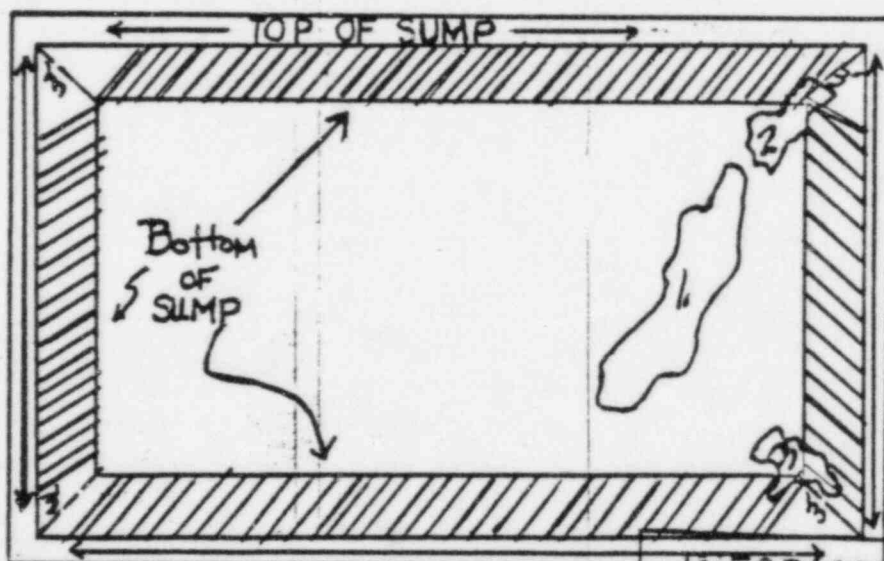
** DFT ARE AS FOLLOWS AND CORRESPOND WITH AREAS NUMBERED
ON SHEET 3 OF 3 ATTACHED

% VOLUME SOLIDS - 88%

AREA 1	AREA 2	AREA 3
MIN WFT <u>16</u> MIN DFT <u>14</u>	MIN WFT <u>20</u> MIN DFT <u>18</u>	MIN WFT <u>20</u> MIN DFT <u>18</u>
MAX WFT <u>24</u> MAX DFT <u>21</u>	MAX WFT <u>30</u> MAX DFT <u>26</u>	MAX WFT <u>30</u> MAX DFT <u>26</u>
AVG WFT <u>20.8</u> AVG DFT <u>18</u>	AVG WFT <u>25</u> AVG DFT <u>22</u>	AVG WFT <u>25</u> AVG DFT <u>22</u>


RELATED NCR NO. <u>N/A</u>	I.R. CLOSED <input type="checkbox"/> <u>N/A</u>	DATE <u>N/A</u>	SIGNATURE <u>N/A</u>
			QC INSPECTOR

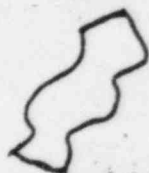
SHEET 2 OF 3
PC 45123
DATE 6-1-82
ELEV: 784
A2. 197
BLD. RCB-2



TOP OF SUMP
7' LENGTH
4' T' WIDTH

INFORMATION
COPY
P. 20

 SIDES OF SUMP - 3' FROM TOP TO BOTTOM

 AREAS REPAIRED WITH 115

INDEXED

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. 2045034

ITEM DESCRIPTION
PROTECTIVE COATINGS

IDENTIFICATION NO.

QP00549

SYSTEM / STRUCTURE DESIGNATION

R13# Common

SPEC. NO.
AS-31REV.
1

REF. Q.C. CCC. & REV. & CHANGE NO.

QI-QP-11.4-5, Rev. 9

MEASURE OR TEST EQUIP. IDENT. NO.

1420+1440+585+1777+1616

☐ 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 BELOWQC INSPECTOR *J. Phai* DATE *5/34/82*

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT ✓				
	ORINGINAL ✓				
	FINISH COAT				
	REPAIR				
1.	Verify Primer Cure per para. 3.1.1.a.	✓			
2.	Perform Visual Inspection of Primed Surface per para. 3.1.1.b.	✓			
3.	Perform DFT of Primer Coat per para. 3.1.1.c (For multiple items indicate Min. Spot, Max. Spot and Average DFT for each item in "Remarks"). RECORD: Minimum Spot Test: 2.0 Maximum Spot Test: 5.0 Average DFT: 3.5	✓			
4.	Perform Adhesion Test per para. 3.1.1.d if primed item does not exhibit QP No. RECORD: Adhesion Test strength in PSI Dolly #1 Dolly #2 Dolly #3	✓			
5.	Record all Protective Coatings Unique QP & ID No. (For multiple items indicate in "Remarks" with corresponding DFT readings from Item #3 above) <i>SAME AS ABOVE</i>				
6.	Ambient conditions checked per para. 3.3.2 prior to coating application and record below: DATE: <i>5/34/82</i> TIME: <i>11.05AM</i> WET BULB TEMP: <i>70</i> DRY BULB TEMP: <i>80</i> RELATIVE HUMIDITY: <i>61%</i> DEW FOINT: <i>65</i> SURFACE TEMP: <i>76</i>				
7.	Perform Visual Inspection of previously coated surface per para. 3.3.3.	✓			
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)

INSPECTION REPORT

Sheet 2 of 2

(SUPPLEMENTAL)

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE
11.	Coating material product identification: <i>Phen 305</i> RECORD BATCH NUMBERS: <i>4312</i> PART A: <i>ID 1043 M</i> PART B: <i>ID 1044 M</i> THINNER: <i>280240 M</i> TIME MIXED: <i>11:30 AM</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>G. Lopez</i>	✓			
15.	Verify hose length is less than 75 feet.	✓			

REMARKS: (DWGS, SPECS, ETC.)

1 ea. Air Accumulator Tank SN# 3972-301-1A

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RELATED NCR NO. <i>212</i>	I.R. CLOSED <i>212</i>	<input type="checkbox"/>	DATE <i>2/17</i>	SIGNATURE <i>[Signature]</i>	QC INSPECTOR
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INSPECTION REPORT DATE:

NO. PC 45010

ITEM DESCRIPTION: PROTECTIVE COATINGS IDENTIFICATION NO.: *SEE REMARKS SYSTEM / STRUCTURE DESIGNATION: RCB #2

SPEC. NO. AS-31 REV. 1 REF. Q.C. CCC. & REV. & CHANGE NO. QI-QP-11.4-5, Rev. 9 MEASURE OR TEST EQUIP. IDENT. NO. 1420, 1440, 1777, 285, 3286

☐ 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

Fred J. Dunbar 5-22-82
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT ✓ FINISH COAT				
	ORINGINAL ✓ REPAIR				
1.	Verify Primer Cure per para. 3.1.1.a.	✓			
2.	Perform Visual Inspection of Primed Surface per para. 3.1.1.b.	✓			
3.	Perform DFT of Primer Coat per para. 3.1.1.c (For multiple items indicate Min. Spot, Max. Spot and Average DFT for each item in "Remarks"). **	✓			
	RECORD: Minimum Spot Test:				
	Maximum Spot Test:				
	Average DFT:				
4.	Perform Adhesion Test per para. 3.1.1.d if primed item does not exhibit QP No.	NA			
	RECORD: Adhesion Test strength in PSI				
	Dolly #1 Dolly #2 Dolly #3				
5.	Record all Protective Coatings Unique QP & ID No.'s: (For multiple items indicate in "Remarks" with corresponding DFT readings from Item #3 above) ***				
6.	Ambient conditions checked per para. 3.3.2 prior to coating application and record below:				
	DATE: 5-22-82 TIME: 10:30 AM WET BULB TEMP: 72°				
	DRY BULB TEMP: 78° RELATIVE HUMIDITY: 75%				
	DEW POINT: 69° SURFACE TEMP: 76°				
7.	Perform Visual Inspection of previously coated surface per para. 3.3.3.	✓			
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	✓			

INFORMATION
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(Continued on Next Sheet)

**COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT**

QI-QP-11.4-5, Rev. 9
Sheet 2 of 2

(SUPPLEMENTAL)

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE																														
11.	Coating material product identification: <u>PHENOLINE 305</u> RECORD BATCH NUMBERS: <u>COLOR - 2787</u> PART A: <u>2B0591M</u> PART B: <u>1M3634M</u> THINNER: <u>2B0240M</u> TIME MIXED: <u>10:05 AM</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																
12.	Verify that shelf life of coating materials has not expired.	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																
13.	Verify that pot life is not exceeded.	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																
14.	Verify qualification of applicator per para. 3.3.1. List Applicators: <u>P. LOPEZ</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																
15.	Verify hose length is less than 75 feet.	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																
<div style="border: 2px solid black; padding: 10px; display: inline-block;"> INFORMATION COPY PPRV </div>																																			
REMARKS: (DWGS, SPECS, ETC.) <table style="width:100%; margin-top: 10px;"> <thead> <tr> <th></th> <th style="text-align: center;">* NOTED</th> <th style="text-align: center;">MIN. *</th> <th style="text-align: center;">MAX. AVE.</th> <th style="text-align: center;">***</th> </tr> </thead> <tbody> <tr> <td>6EA. 16"N X 16 1/4" X 1/2" PLATES</td> <td align="center">NOTED</td> <td align="center">2.0</td> <td align="center">3.5 273</td> <td align="center">QP00547</td> </tr> <tr> <td>2 EA FIRE PROTECTION HANGERS</td> <td align="center">C34150</td> <td align="center">3.0</td> <td align="center">5.0 4.0</td> <td align="center">QP00544</td> </tr> <tr> <td>1EA. HANGER</td> <td align="center">C11K08805</td> <td align="center">3.5</td> <td align="center">5.5 4.2</td> <td align="center">QP00544</td> </tr> <tr> <td>1EA. HANGER</td> <td align="center">MS20TH403L5LK</td> <td align="center">3.5</td> <td align="center">4.5 4.1</td> <td align="center">QP00547</td> </tr> <tr> <td>1EA. HANGER</td> <td align="center">CT2077418-24K</td> <td align="center">N/A</td> <td align="center">(SEE TCA # 11421)</td> <td align="center">QP00547</td> </tr> </tbody> </table>							* NOTED	MIN. *	MAX. AVE.	***	6EA. 16"N X 16 1/4" X 1/2" PLATES	NOTED	2.0	3.5 273	QP00547	2 EA FIRE PROTECTION HANGERS	C34150	3.0	5.0 4.0	QP00544	1EA. HANGER	C11K08805	3.5	5.5 4.2	QP00544	1EA. HANGER	MS20TH403L5LK	3.5	4.5 4.1	QP00547	1EA. HANGER	CT2077418-24K	N/A	(SEE TCA # 11421)	QP00547
	* NOTED	MIN. *	MAX. AVE.	***																															
6EA. 16"N X 16 1/4" X 1/2" PLATES	NOTED	2.0	3.5 273	QP00547																															
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1EA. HANGER	C11K08805	3.5	5.5 4.2	QP00544																															
1EA. HANGER	MS20TH403L5LK	3.5	4.5 4.1	QP00547																															
1EA. HANGER	CT2077418-24K	N/A	(SEE TCA # 11421)	QP00547																															
<table style="width:100%; border-top: 1px solid black;"> <tr> <td style="width:25%;">RELATED NCR NO <u>N/A</u></td> <td style="width:25%;">I.R. CLOSED <u>N/A</u> <input type="checkbox"/></td> <td style="width:15%;">DATE <u>N/A</u></td> <td style="width:35%;">SIGNATURE <u>N/A</u> QC INSPECTOR</td> </tr> </table>						RELATED NCR NO <u>N/A</u>	I.R. CLOSED <u>N/A</u> <input type="checkbox"/>	DATE <u>N/A</u>	SIGNATURE <u>N/A</u> QC INSPECTOR																										
RELATED NCR NO <u>N/A</u>	I.R. CLOSED <u>N/A</u> <input type="checkbox"/>	DATE <u>N/A</u>	SIGNATURE <u>N/A</u> QC INSPECTOR																																

RTN 1 FILE NO. 17.1.99.3
SUBFILE LOG 300/PC45040

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2
NO. PC45040 5/25/82

ITEM DESCRIPTION PROTECTIVE COATINGS IDENTIFICATION NO. LINER PLATE SYSTEM/STRUCTURE DESIGNATION RCB-1 EA 1020-1030 A2132-119°
SPEC. NO. AS-31 REV. 1 REF. Q.C. CCC. & REV. & CHANGE NO. QI-QP-11.4-5, Rev. 9 MEASURE OR TEST EQUIP. IDENT. NO. 1968, 1944, 1616

☐ 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

QC INSPECTOR [Signature] DATE 5-25-82

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:	N/A			
2.	Abrasive acceptable per Para. 3.2.2.a.				
3.	Separators installed, drained, and drains left partially open.				
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 & SEE REMARKS 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.	N/A			
7.	Ambient conditions checked per Para. 3.3.2 prior to primer application and record below: DATE: 5/25/82 TIME: 1:30PM WET BULB TEMP: 66°F DRY BULB TEMP: 73°F RELATIVE HUMIDITY: 69% DEW POINT: 62°F SURFACE TEMP: 76°F				
8.	Substrate surface free of contaminants and less than 24 hours elapsed since blasting.				

INFORMATION COPY
N/A
PRV

ARMS INDEXED

(Continued on Next Sheet)

QI-QP-11.4-5, Rev. 9
Sheet 2 of 2

(SUPPLEMENTAL)

ITEM NO.		INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE
9.	Trap, filter or separator installed per para. 3.3.4.		✓			
10.	Air supply free of contamination.		✓			
11.	Qualfication of applicator. (List Applicators:)		✓			
	B. LIGHT					
12.	Verify Mixing Operations per para. 3.2.2.h.		✓			
13.	Coating Material Product Identification: CZ-11		✓			
	a.	Base Lot No.: 2B5749M PART A: N/A				
	b.	Filler Lot No.: 1M2643M				
	c.	Thinner Lot No.: 2D1111M				
	d.	Time Mixed: 2:00 PM				
	e.	Shelf Life Not Exceeded	✓			
14.	Pressure pot agitated.		✓			
15.	Pot life not exceeded.		✓			
16.	Hose less than 75 feet.		✓			

REMARKS: (DWGS, SPECS, ETC.) * PRIMER REPAIR TO SUBSTRATE OF LINER PLATE.
NO COMPARATOR AVAILABLE TO VERIFY 1 MIL PROFILE.

PRE- PREP AMBIENT CONDITIONS

<u>WB</u>	<u>69°F</u>	<u>RH</u>	<u>70%</u>
<u>DB</u>	<u>76°F</u>	<u>ST</u>	<u>77°F</u>
<u>DP</u>	<u>66°F</u>		

EQUIP: 1945-1969

RELATED NCR NO.	
-----------------	--

I.R. CLOSED

DATE _____

SIGNATURE

QC INSPECTOR

INFORMATION
COPY
PPRV

17.1.99.3
300/PC45018

INDEXED

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2
NO. PC 45018

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. * SEE BELOW		SYSTEM/STRUCTURE DESIGNATION RCB-1	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5, Rev. 9		MEASURE OR TEST EQUIP. IDENT. NO. 1946, 1820, 1944, 1969, 166, 3058	
<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	

INSR. RESULTS

☒ INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

☐ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Fred Dunbar 5-24-82
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:	N/A			
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: 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)	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: 5-24-82 TIME: 2:43PM WET BULB TEMP: 66° DRY BULB TEMP: 72° RELATIVE HUMIDITY: 73% DEW POINT: 63° SURFACE TEMP: 73°	✓			
8.	Substrate surface free of contaminants and less than 24 hours elapsed since blasting.	✓			

INFORMATION
COPY
PERV

(Continued on Next Sheet)

COMANCHE PEAK STEAM ELECTRIC STATION QI-QP-11.4-5, Rev. 9
INSPECTION REPORT Sheet 2 of 2

(SUPPLEMENTAL)

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.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:) F. FELT	✓			
12.	Verify Mixing Operations per para. 3.2.2.h.	✓			
13.	Coating Material Product Identification: CE-11				
	a. Base Lot No.: 285749M PART A: N/A				
	b. Filler Lot No.: 1M2643M				
	c. Thinner Lot No.: 2D1111M				
	d. Time Mixed: 3:10 PM				
	e. Shelf Life Not Exceeded	✓			
14.	Pressure pot agitated.	✓			
15.	Pot life not exceeded.	✓			
16.	Hose less than 75 feet.	✓			

INFORMATION
COPY

PPRV

REMARKS: (DWGS, SPECS, ETC.) SURFACE PREP AMBIENTS

WB-66° DP-63° TIME-12:00AM
DB-70° RH-75%
ST-74°

*

SP-3 ENTIRE HANGER ASSY. & APPLIED PRIMER. HANGER ASSY. HAD 4 QP #5. & ARE LISTED AS FOLLOWS.

ID#
HS11RB034/003Z

QP #5
QP00494
QP00359
QP00500
QP00475

- THIS HANGER IS ATTACHED TO THE LINE & IS LOCATED AT AZ. 68° EL. 855'2"

RELATED MCR NO.
N/A

I.R. CLOSED N/A ☐

DATE
N/A

SIGNATURE
N/A
QC INSPECTOR

14
16

COMANCHE PEAK STEAM ELECTRIC

ARMS
INDEXED

INSPECTION REPORT

DATE

SHEET

NO. 0

ITEM DESCRIPTION PROTECTIVE COATINGS	IDENTIFICATION NO. 2. <u>0860261</u>	SYSTEM/STRUCTURE DESIGN RB#
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-OP-11.4-1, Rev. <u>4</u>
MEASURE OR TEST EQUIP. IDEN <u>MTE 1418, 1443</u>		
<input type="checkbox"/> IN PROCESS INSPECTION	<input checked="" type="checkbox"/> PRE INSTALLATION VERIFICATION	<input 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

John Moon 10/31/81
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
1.	Ambient conditions checked per Para. 3.1.1 and recorded below: TIME: <u>12:40P</u> WET BULB TEMP.: <u>57°</u> DRY BULB TEMP.: <u>72°</u> RELATIVE HUMIDITY: <u>38%</u> DEW POINT: <u>45°</u> ST. <u>80°</u>	✓			
2.	Abrasive acceptable per Para. 3.1.2.	✓			
3.	Separators installed, drained, and drains left partially open.	✓			
4.	Air supply free of contamination.	✓			
5.	Substrate surface free of oil, grease, and sharp projections.	✓			
6.	Blasted surface and profile: a. Blasted surface and surrounding areas cleaned per Para. 3.3.1. b. Surface free of foreign matter. c. Sharp (non-rounded) projections removed. d. Anchor pattern depth 1.0 mil. minimum.	✓			
7.	Unique Number stamped on piece (Record Unique Number in Block 3 above.)	✓			
8.	Ambient conditions checked per Para. 3.1.1 prior to primer application and record below: TIME: <u>1:25P</u> DRY BULB TEMP.: <u>77°</u> WET BULB TEMP.: <u>68°</u> RELATIVE HUMIDITY: <u>35%</u> DEW POINT: <u>48°</u> ST. <u>78°</u>	✓			
9.	Substrate surface free of contaminants and less than 24 hours elapsed since blasting.	✓			
10.	Trap, filter or separator installed per Para. 3.4.3.	✓			
11.	Air supply free of contamination.	✓			
12.	Qualification of applicator. (List Applicators.)	✓			

Chris Hall + Paul Lopez

PERM. PLT. RECORD

FILE NO.	<u>17.1-49.3</u>
SUBFILE LOC.	<u>300/PC40310</u>

(SUPPLEMENTAL)

REMARKS: (DWGS, SPECS, ETC.)

Accepted Items 1 thru 6 (6 ea)
#3B 10/27/81
Accepted Items 7 thru 14 " " "
10/27/81 for 6 per 3/4 x 4 x 4 Blocks
Accepted Items 15 thru 18 (6 pes.)
for 10/31/81

INFORMATION
COPY
PPRV

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

R-PC40310

QUALITY ASSURANCE DEPARTMENT

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Location: ShopBuilding: R B #

Project: CPSES, Job 35-1195

Unit COMM

Premixing Coating Materials Verification

Results

Initial

Date

1. Coating Material Product Identification

SatJP10/27/81

2. Coating Material Acceptability

SatJP10/27/81

COMMENTS: _____

FINAL ACCEPTANCE: J. P. [Signature]

(QC Inspector)

10/27/81

Date

APPLICATOR

Chris Hall + Paul Lopez

COATING MIXING/THINNING RECORD

Material Identification

Batch Number

Weight or Volume

1. CZ 11
(Base)1C5612M2 ea 5 gal K. ts2. CZ 11
(Filler/Catalyst)1B2277Z

Volume (1. + 2.)

2 ea 5 gal K. ts
10 gal3. Carboline 433
(Thinner)1G1524M

Volume (1. + 2. + 3)

10 pt
11 gal 2 pt.Time Mixed 5:15AM ☒ PMApproximate Temperature 78

OF

Pot

INFORMATION

COPY

PPRV

Life Expires: 9:45

(approximate)

AM ☒ PM

INSPECTION REPORT

DATE

NO. PC40303

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. <u>GP00082</u>		SYSTEM / STRUCTURE DESIGNATION <u>RR</u>	
SPEC. NO. <u>AS-31</u>	REV. <u>1</u>	REF. Q.C. COC. & REV. & CHANGE NO. <u>QI-QP-11.4-1, Rev. 4</u>		MEASURE OR TEST EQUIP. IDENT. NO. <u>MTE 877, 1643 & 1599, 1639</u>	

☐ 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 BELOWJohn Moon
QC INSPECTOR10/27/81
DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
1.	Ambient conditions checked per Para. 3.1.1 and recorded below: TIME: <u>6:30p</u> WET BULB TEMP.: <u>51</u> DRY BULB TEMP: <u>61</u> RELATIVE HUMIDITY: <u>49%</u> DEW POINT: <u>42</u> ST <u>64</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
2.	Abrasive acceptable per Para. 3.1.2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3.	Separators installed, drained, and drains left partially open.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
4.	Air supply free of contamination.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
5.	Substrate surface free of oil, grease, and sharp projections.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
6.	Blasted surface and profile: a. Blasted surface and surrounding areas cleaned per Para. 3.3.1. b. Surface free of foreign matter. c. Sharp (non-rounded) projections removed. d. Anchor pattern depth 1.0 mil. minimum.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
7.	Unique Number stamped on piece (Record Unique Number in Block 3 above.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
8.	Ambient conditions checked per Para. 3.1.1 prior to primer application and record below: TIME: <u>2:30A</u> DRY BULB TEMP: <u>63</u> WET BULB TEMP: <u>53</u> RELATIVE HUMIDITY: <u>50%</u> DEW POINT: <u>44</u> ST <u>62</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
9.	Substrate surface free of contaminants and less than 24 hours elapsed since blasting.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
10.	Trap, filter or separator installed per Para. 3.4.3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
11.	Air supply free of contamination.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12.	Qualification of applicator. (List Applicators.) <u>C. Smith J. King</u> <u>A. Vasquez S. Morano</u> <u>J. Garcia J. Wood</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

INFORMATION

COPY

PPRV

FORM. PLT. RECORD

17.1.99.3

BU FILE LOC.

300/PC40303

(SUPPLEMENTAL)

[illegible]

QUALITY ASSURANCE DEPARTMENT

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Location: ShopBuilding: Reactor

Project: CPSES, Job 35-1195

Unit Common

<u>Premixing Coating Materials Verification</u>	<u>Results</u>	<u>Initial</u>	<u>Date</u>
1. Coating Material Product Identification	<u>Sat</u>	<u>JM</u>	<u>10/24/81</u>
2. Coating Material Acceptability	<u>Sat</u>	<u>JM</u>	<u>10/24/81</u>
COMMENTS: <u>Miscellaneous and bulk steel</u>			

FINAL ACCEPTANCE: John Moon
(QC Inspector)10/24/81
DateAPPLICATOR A. Vasquez, J. Garcia, J. King, S. Merenc
C. Smith, J. WoodCOATING MIXING/THINNING RECORD

<u>Material Identification</u>	<u>Batch Number</u>	<u>Weight or Volume</u>
1. <u>Carbo Zinc II</u> (Base)	<u>1C5612M</u>	<u>52 lb. 12.8 oz.</u>
2. <u>Carbo Zinc II</u> (Filler/Catalyst)	<u>1B2277Z</u> Volume (1. + 2.)	<u>116 lb. 12.8 oz.</u> <u>8 gal.</u>
3. <u>Carboline #33</u> (Thinner)	<u>1G1524M</u> Volume (1. + 2. + 3)	<u>1 gal.</u> <u>9 gal.</u>

Time Mixed 4:25A

Approximate Temperature

AM/PM

63 OF

Pot Life Expires

2:25

(approximate)

AM/PM

INFORMATION
COPY
PPRV

R-PC40303

QUALITY ASSURANCE DEPARTMENT

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Location: ShopBuilding: Reactor

Project: CPSES, Job 35-1195

Unit Land 2 in
Common 10/24/81

Premixing Coating Materials Verification	Results	Initial	Date
1. Coating Material Product Identification	<u>Sat</u>	<u>JM</u>	<u>10/24/81</u>
2. Coating Material Acceptability	<u>Sat</u>	<u>JM</u>	<u>10/24/81</u>
COMMENTS: <u>Miscellaneous and bulk steel</u>			

FINAL ACCEPTANCE:

John Moon
(QC Inspector)10/24/81
DateAPPLICATOR A. Vasquez, J. Garcia, J. King, S. Moreno
C. Smith, J. Wood

COATING MIXING/THINNING RECORD

Material Identification	Batch Number	Weight or Volume
1. <u>Carbo Zinc II</u> (Base)	<u>1C5612M</u>	<u>33 lbs.</u>
2. <u>Carbo Zinc II</u> (Filler/Catalyst)	<u>1B2277Z</u>	<u>73 lbs</u>
	Volume (1. + 2.)	<u>5 gal.</u>
3. <u>Corboline #33</u> (Thinner)	<u>1G1524M</u>	<u>5 pts.</u>
	Volume (1. + 2. + 3.)	<u>5 gal. 5 pts.</u>

Time Mixed 2:15

Approximate Temperature

AM/PM

63

OF

Pot Life Expires

11:15

(approximate)

AM/PM

INFORMATION

COPY

PPRV

MEMO TO FILE

From: V. Lethen

Date: Sept. 13, 1984

Subject: Random Selection of Paint IR's from Vault

Reviewed 2 folders PC 3500 - 3599, $\approx 1\frac{1}{2}$ " thick
PC 3600 - 3699, $\approx 1\frac{1}{2}$ " thick

They covered \approx 1978 thru and including 1980

Located only 1 IR that did not have
batch data included

Located only 2-IR's from 1977 attached

10 IR's attached

INDEXED

Brown & Root, Inc.

QUALITY ASSURANCE DEPARTMENT
STEEL SUBSTRATE

CP-QCI-2.10-1
Revision 2
Attachment 4-A

Black out.
DATE: Misc Steel

SURFACE PREPARATION INSPECTION CHECKLIST

Building Reactor #1
Location Shop

PROJECT: CPSES

JOB NO.: 35-1195

UNIT #1 PAGE 1 OF 2

MRB 0556-R60

235345-31

TAG/SPIN/IDENT. NO.						DRAWING/SPECIFICATION NO.		VENDOR'S	
A	B	C	D	E	F	G (Units)	H (Units)	J (Units)	HEAT/LOT/BATCH NO.
						17-55			

PERM. PLT. RECORD

RTSA Const	12/01/77
RLS/HOLD NO. CODE	INPUT DATE
STATUS	
112-121	122-127

RTN	FILE LOC.
L	17.1.99.3
SUBFILE LOC.	

ENVIRONMENTAL DATA:

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT	SKY	WIND		PRECIP.	NOTE
	DRY BULB	WET BULB	SURFACE				DIR.	VEL.		
8.00 ⁰	52 ⁰	43 ⁰	58 ⁰	46%	32 ⁰	clear	N/A		none	US 7 767
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General

- Construction procedure approved/available
- QC Instruction approved/available

Results	Initial	Date
✓	JP	12-1-77
✓	JP	12-1-77

Pre-Blast Cleaning Operations

- Ambient conditions/surface temp. evaluation
- Sand acceptability
- Blast equipment check
 - Separator
 - Air supply
- Steel surface cleanliness check
- Steel surface projections check

INFORMATION COPY PPRV

✓	JP	12-1-77
✓	JP	12-1-77
✓	JP	12-1-77
✓	JP	12-1-77
✓	JP	12-1-77
✓	JP	12-1-77

Blast Cleaning Operations

- Sandblasting technique check

✓	JP	12-1-77
---	----	---------

Post Blast Cleaning Operations

- Sandblast cleanup
- Sandblasted surface acceptability
 - Absence of foreign matter
 - Removal of sharp projections

✓	JP	12-1-77
✓	JP	12-1-77
✓	JP	12-1-77
✓	JP	12-1-77

SURFACE PREPARATION:

SPECIFICATION:

TIME OF DAY	SPECIFIED SSPC-SP	ACTUAL COND.	PROFILE		TEST METHOD*
			SPECIFIED	ACTUAL	
3.30	SP-10	Steel	1-3 mil	1-3 mil	COMP



Brown & Root, Inc.

QUALITY ASSURANCE DEPARTMENT
STEEL SUBSTRATE

CP-QCI-2.10-1
Revision 2
Attachment 4-A

Block Out

SURFACE PREPARATION INSPECTION CHECKLIST

PROJECT: CPSES

JOB NO.: 35-1195

Building: Resistor H1
Location: _____
UNIT 11 PAGE 1 OF 1

PC03650

Comments: None

REF. NCR C-81-01373

*Inspection hold point

Attached Documents:

None 1.

None 2.

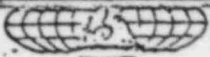
Final Acceptance

[Signature]
B&R QC Inspector

Date 12-1-77

☒ Satisfactory
☐ Unsatisfactory

INFORMATION
COPY
PPRV



QUALITY ASSURANCE DEPARTMENT

CP-QCI-2.10-2
Revision 2
Attachment 4-A

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Building Reactor #1
Location _____

OBJECT: CPSES

JOB NO.: 35-1195

UNIT #1 PAGE 1 OF 1

REF. PC 03650

General	Results	Initial	Date
1. Construction Procedure Approved	<u>✓</u>	<u>JP</u>	<u>11-22-77</u>
2. Q. C. Instruction Approved	<u>✓</u>	<u>JP</u>	<u>11-22-77</u>
Premixing Coating Materials Verification			
1. Coating Material Product Identification	<u>✓</u>	<u>JP</u>	<u>11-22-77</u>
*2. Coating Material Acceptability	<u>✓</u>	<u>JP</u>	<u>11-22-77</u>
Coating Mixing/Thinning Operations			
1. Mixing	<u>✓</u>	<u>JP</u>	<u>11-22-77</u>
2. Thinning	<u>✓</u>	<u>JP</u>	<u>11-22-77</u>
Comments: <u>None</u>			

Final Acceptance: JP (B&R QC Inspector)Date 11-22-77Satisfactory
X Unsatisfactory
*Inspection Hold Point

INFORMATION

Coating Mixing/Thinning Record
COPY

Material Identification	Batch Number	Weight Or Volume
1. <u>CZ-11</u>	<u>PPRV</u>	<u>4 lbs. 15.29g</u>
2. <u>Base</u>	<u>7J09382</u>	<u>10 lbs. 15.29g</u>
3. <u>(Filler) 33</u>	<u>7E0708M</u>	<u>397.8</u>
<u>(Thinner)</u>	<u>7E0708M</u>	<u>147</u>
Time Mixed <u>11:48</u> <u>(a.m.)</u>		Pot Life Expires: <u>7:48</u> <u>(a.m.)</u> <u>(p.m.)</u>
Approx. Temperature _____ OF		(approx.)



QUALITY ASSURANCE DEPARTMENT

STEEL SUBSTRATE

PRIMER APPLICATION CHECKLIST

DOOR FRAMEMISC. EQUIP.PC036SD

PROJECT: CPSES

JOB NO.: 35-1195

UNIT RB#1 PAGE 1 OF 2

TAG/SPIN/IDENT. NO.						DRAWING/SPECIFICATION NO.						VENDOR'S HEAT/LOT/BATCH NO.									
A	B	C	D	E	F	G (Units)	H (Units)	I (Units)	J (Units)	17-55						86-95					

ENVIRONMENTAL DATA:				RLS/HOLD NO. CODE				INPUT DATE			
				STATUS				DATE			
				112-121				122-127			

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT	SKY	WIND		PRECIP.	SW
	DRY BULB	WET BULB	SURFACE				DIR.	VEL.		
6:00 PM	52°	45°	60°	57%	37°	INSIDE	NONE	NONE	NONE	457 444

General

Results

Initial

Date

- Construction Procedure approved/available
- QC Instruction approved/available
- Coating applicators qualified

✓
✓
✓

BMB
BMB
BMB

12-1-77
12-1-77
12-1-77

Pre-Application Operations

- Ambient conditions acceptable for primer application
- Steel surface acceptable for primer application
- Air supply acceptable for primer application

✓
✓
✓

BMB
BMB
BMB

12-1-77
12-1-77
12-1-77

Primer Application Operations

- Surveillance inspection during primer application

✓

BMB

12-1-77

Primer Post Application Operations

- Visual Defects Inspection
- Dry Film Thickness*
- Touch-up/Repairs
- Primer Tack-Free Cure
- Primer Cure Prior to Topcoating

INFORMATION
COPY
PPRV

12-2-77
12-2-77
12-2-77
12-2-77
12-2-77

12-2-77
12-2-77
12-2-77
12-2-77
12-2-77

COATING APPLICATION

SPECIFICATION:

TIME OF DAY	LOCATION	APPLICATION METHOD	COATING THICKNESS				TEST METHOD*	SH
			SPECIFIED	MIN	MAX	AVG		
10:00 AM		SPRAY	2.0-4.5	3.5	5.5	4.5	E	69405



QUALITY ASSURANCE DEPARTMENT
STEEL SUBSTRATE

CP-QCI-2.10-3
Revision 2
Attachment 4-A

Block out.

PRIMER APPLICATION CHECKLIST

OBJECT: CPSES

JOB NO.: 35-1195

UNIT H 1 PAGE 2 OF 2

Cont'd

Comments: none

REF. NCR C-81-01373

Attached documents (check those applicable)

- none 1. Coating Work Exception Records
2 2. (other)
2 3. (other)
none 4. (other)

Final Acceptance

J. L. [Signature]
B&R QC Engineer/Inspector

Date 12-2-77

- ✓ Satisfactory.
X Unsatisfactory
* Inspection Hold Points

INFORMATION
COPY
PPRV

ARMS
INDEXED

QUALITY ASSURANCE DEPARTMENT
STEEL SUBSTRATE
PRIMER APPLICATION CHECKLIST

Revision 2
Attachment 4-A

CABLE TRAY CHIPS

PC03657

PROJECT: CPSES

JOB NO.: 35-1195

UNIT

PAGE 1 OF 2

TAG/SPIN/IDENT. NO.						DRAWING/SPECIFICATION NO.						VENDOR'S					
A	B	C	D	E	F	G (Units)	H (Units)	I (Units)	J (Units)	HEAT/LOT/BATCH NO.							
23237531						17-55						PERM PLT RECORD					
ENVIRONMENTAL DATA:						PLSD CONST 122337						RTN L FILE LOC. 17.1.99.3					
TIME OF DAY						TEMPERATURE						RELATIVE HUMIDITY					
						DRY BULB WET BULB SURFACE						DEW POINT SKY					
												300/RC #					
						STATUS 112-121						INPUT DATE 122-127					
												SUBFILE LOC.					
												DIR. VEL. PRECIP.					

General

1. Construction Procedure approved/available
2. QC Instruction approved/available
3. Coating applicators qualified

Results	Initial	Date
✓	HJS	12-27-77
✓	HJS	12-27-77
✓	HJS	12-27-77

Pre-Application Operations

1. Ambient conditions acceptable for primer application
2. Steel surface acceptable for primer application
- *3. Air supply acceptable for primer application

✓	HJS	12-27-77
✓	HJS	12-27-77
✓	HJS	12-27-77

Primer Application Operations

1. Surveillance inspection during primer application

✓	HJS	12-27-77
---	-----	----------

Primer Post Application Operations

- *1. Visual Defects Inspection
- *2. Dry Film Thickness*
3. Touch-up/Repairs
- *4. Primer Tack-Free Cure
- *5. Primer Cure Prior to Topcoating

INFORMATION
COPY
PPRV

✓		
✓		
✓		
✓		
✓		

COATING APPLICATION

SPECIFICATION:

TIME OF DAY	LOCATION	APPLICATION METHOD	COATING THICKNESS				TEST METHOD*
			SPECIFIED	MIN	MAX	AVG	

QC-2.10-3/1-2

PROJECT: CPSES

JOB NO.: 35-1195

UNIT _____ PAGE 2 OF 2Cont'd

Comments: _____

REF. NCR C-81-01373

Attached documents (check those applicable)

- _____ 1. Coating Work Exception Records
- _____ 2. (other) _____
- _____ 3. (other) _____
- _____ 4. (other) _____

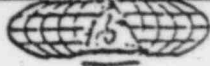
Final Acceptance _____

B&R QC Engineer/Inspector

Date _____

- ✓ Satisfactory
- X Unsatisfactory
- * Inspection Hold Points

INFORMATION
COPY
PPRV



QUALITY ASSURANCE DEPARTMENT

CP-QCI-2.10-2
Revision 2
Attachment 4-A

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Building _____

Location _____

SUBJECT: CPSES

JOB NO.: 35-1195

UNIT _____

PAGE 1 OF 1

General

1. Construction Procedure Approved
2. Q. C. Instruction Approved

Results

Initial

Date

✓ HJS 12-27-77
✓ HJS 12-27-77

Premixing Coating Materials Verification

1. Coating Material Product Identification
- *2. Coating Material Acceptability

✓ HJS 12-27-77
✓ HJS 12-27-77

Coating Mixing/Thinning Operations

1. Mixing
2. Thinning

✓ HJS 12-27-77
✓ HJS 12-27-77

Comments: _____

Final Acceptance: _____

(B&R QC Inspector)

Date 12-27-77

Satisfactory
X Unsatisfactory
*Inspection Hold Point

INFORMATION
COPY
PPRV

Coating Mixing/Thinning Record

Material
Identification

Batch Number

Weight
Or Volume

1. CZ 11
(Base)
2. CZ 11
(Filler/Catalyst)
3. CARBOLINE
(Thinner)

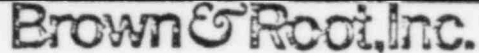
7F5068M13^{lb} 3.2^{oz}7J0938Z29^{lb} 3.2^{oz}

Volume (1. + 2.) =

2 GAL7C0708M2 PT

Volume (1.+2.+3) =

2 GAL 18TTime Mixed 2:00 a.m. (p.m.)Approx. Temperature 44 °FPot Life Expires: 10:00 a.m. (p.m.)
(approx.)



PC03657

UNIT _____ PAGE _____ OF _____

			RLS/HOLD NO. CODE		122777
MRA NUMBER	RIR NUMBER	PURCH'S OR NO.	STATUS		INPUT DATE
74-79	80-85	106-111	112-121		122-127

[illegible]

INFORMATION
COPY
PPRV

STEEL SUBSTRATE

SURFACE PREPARATION INSPECTION CHECKLIST

BUILDING

Location

UNIT

RB#1 EL. 916

Shop

PROJECT: CPSES

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT	MTE S/N
	DRY BULB	WET BULB	SURFACE			
1:00pm	95°	76°	100°	41%	68°	844 880

PERM. PLT. RECORD

A.....
INDEXED

RTN	FILE LOC.
L	17.1.99.3
SUBFILE LOC.	
300/PC #	

DATE

	Results	Initial	Date
1. Ambient Conditions	✓		OCT 2 1978
2. Air Supply/Sand	✓		
3. Surface Projections	✓		OCT 2 1978
4. Sand Blast Cleanup	✓		OCT 2 1978
5. Surface & Profile Acceptable	✓		OCT 2 1978
6. Absence of Foreign Matter	✓		
7. Removal of Sharp Projections	✓		

INFORMATION
COPY
PPRVCOMMENTS: 30 ea. Timbers (1 ea Cable Tray (EL 916))
REF NCR C-81-01373 & NCR C-81-01370

FINAL ACCEPTANCE:

INSPECTOR: H. Gunn DATE: OCT 2 1978

QUALITY ASSURANCE DEPARTMENT

PC03545

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Building _____

Location _____

PROJECT: CPSES

UNIT _____

Premixing Coating Materials Verification

1. Coating Material Product Identification
2. Coating Material Acceptability

Results Initial Date

✓ 10-2-78

✓ 10-2-78

Coating Mixing/Thinning Operations

1. Mixing
2. Thinning

✓ 10-2-78

✓ 10-2-78

Comments: _____

Final Acceptance: _____

(QC Inspector)

Date 10-2-78

- Satisfactory
X Unsatisfactory
* Inspection Hold Point

INFORMATION
COPY

PPRV

Applicator: _____

Mix Number: 10-2-78-2

Coating Mixing/Thinning Record

Material Identification	Batch Number	Weight Or Volume
1. (Base) CZ11	BH5247M	26 ⁴⁰ 6.40c
2. (Filler/Catalyst) CZ11	BF1344Z	58 ⁴⁰ 6.40c
3. (Thinner) CARBORINE	Volume (1. + 2.) = 116AL	
	Volume (1.+2.+3) = 4PT	
		4 1/2 GAL.

Time Mixed 2:30 a.m. 10-2-78
Approx. Temperature 95 OF
Pot Life Expires: 6:30 a.m. 10-2-78 (approx.)

QUALITY ASSURANCE DEPARTMENT
STEEL SUBSTRATE
PRIMER APPLICATION CHECKLIST

PC03545

Building RB#1
Location Shop

PROJECT: CPSES

UNIT #/ PAGE 1 OF 1

Time of Day	Temperature			Relative Humidity	Dew Point	M&TE S/N
	Dry Bulb	Wet Bulb	Surface			
2:45pm	95°	76°	100°	41%	68°	844, 880

A. Inspection of Pre-application operations in accordance with QI _____

B. Qualified Applicators Name: M. Pherson

	RESULTS	INITIAL	DATE
1. Visual Defects Inspection	✓		OCT
2. Dry Film Thickness Min. <u>2.0</u> Max. <u>4.6</u> Avg. <u>3.0</u>	✓		
3. Touch-up/Repairs	N/A		
4. Primer Tack-Free Cure	✓		OCT
5. Primer Cure Prior to Topcoat	✓		

INFORMATION
COPY
PPRV

COMMENTS: REF NCR C-81-01370; NCR C-81-01373

FINAL ACCEPTANCE: INSPECTOR H. Gunn DATE OCT 1978

QUALITY ASSURANCE DEPARTMENT

PC03551

STEEL SUBSTRATE

SURFACE PREPARATION INSPECTION CHECKLIST

PROJECT: CPSES

BUILDING REACTORLocation ShopUNIT 2B#2

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT	MTE S/N	
	DRY BULB	WET BULB	SURFACE				
7:10 pm	92°	74°	95°	42%	66°	880 + 842	







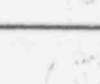
PERM. FLT. RECORD

ARMS

INDEXED

RTN	FILE LOC.
L	17.1.99.3
SUBFILE LOC.	
300/PC #	


DATE:

	Results	Initial	Date
1. Ambient Conditions	✓		7-28-78
2. Air Supply Sand	✓		7-28-78
3. Surface Projections	✓		7-28-78
4. Sand Blast Cleanup	✓		7-28-78
5. Surface & Profile Acceptable	✓		7-28-78
6. Absence of Foreign Matter	✓		7-28-78
7. Removal of Sharp Projections	✓		7-28-78

COMMENTS: 42 on Dome Conduit supports ASSORTED pieces

REF. NCR 0-81-01371

FINAL ACCEPTANCE:

INSPECTOR Larry W. Decker  DATE 7-28-78

QUALITY ASSURANCE DEPARTMENT

PC03551

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Building REACTOR

Location Shop

PROJECT: CPSES

UNIT RB #1

Priming Coating Materials Verification

1. Coating Material Product Identification
2. Coating Material Acceptability

Results	Initial	Date
✓	CPSES 38	7-28-78
✓	CPSES 38	7-28-78

Coating Mixing/Thinning Operations

1. Mixing
2. Thinning

Results	Initial	Date
✓	CPSES 38	7-28-78
✓	CPSES 38	7-28-78

Comments: _____

Final Acceptance: _____

Larry W. Drees (QC Inspector)

Date 7-28-78

- Satisfactory
X Unsatisfactory
* Inspection Hold Point

INFORMATION
COPY

Mix Number: _____

PPRV Applicator: Mark WELLS

Coating Mixing/Thinning Record

Material Identification	Batch Number	Weight Or Volume
1. <u>CZ-11</u> (Base)	<u>8D5178 m</u>	<u>19 lbs 12.8 g</u>
2. <u>CZ-11</u> (Filler/Catalyst)	<u>8E1307 Z</u>	<u>43 lbs 12.8 g</u>
3. <u>Carboline #33</u> (Thinner)	<u>8D0042 m</u>	<u>3 gals</u>
	Volume (1. + 2.) =	<u>3 pts</u>
	Volume (1.+2.+3)	<u>3 gals 3 pts</u>

Time Mixed 7:50 a.m. 12:00 p.m.
Approx. Temperature 92° OF Pot Life Expires: 12:50 a.m./p.m.
5 hrs (approx.)

Q03551

PROJECT: CPSES

UNIT RB #1 PAGE OF

A. Inspection of Pre-application operations in accordance with QI _____

RESULTS	INITIAL	DATE
✓	OPSC 33	7-30-78
✓	OPSC 33	[Signature]
✓	OPSC 33	
✓	OPSC 33	
✓	OPSC 33	
✓	OPSC 33	7-30-78

INFORMATION
COPY
PPRV

INSPECTOR

DATE 7-30-78

ARMS
INDEXED

RTN L	FILE LOG. 17.1.99.3
SUBFILE LOG. 300/PC #	

DATE:

QUALITY ASSURANCE DEPARTMENT

PC03511

PC03357

16/3/83

STEEL SUBSTRATE SEAL COAT APPLICATION CHECKLIST

PROJECT: CPSES JOB NO. 35-1195 LOCATION RBEL 860 Compant. 2 BLDG RB
UNIT 1 PAGE 05

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT
	DRY BULB	WET BULB	SURFACE		
10:00pm	84	75	84	66	71

1. Visual Defects Inspection
2. Dry Film Thickness MIN ____ MAX ____ AVG ____
3. Touch up Operations
4. Seal Coat Tack Free Cure
5. Seal Coat Cure Prior to Top Coat

INFORMATION
COPY
PPRV

Initial	Date
_____	_____
_____	_____
_____	_____
_____	_____

COMMENTS: See misc. Steel Parts List

REF. NCR C-81-01373

FINAL ACCEPTANCE: Inspector _____ Date _____

QUALITY ASSURANCE DEPARTMENT

PC03511

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

PC03357
NA 3/31/83

Building RB
Location EL. 840-812 Compart. 2

PROJECT: CPSES

UNIT 1

	Results	Initial	Date
<u>Premixing Coating Materials Verification</u>			
1. Coating Material Product Identification	<u>✓</u>	<u>JS</u>	<u>8-24-79</u>
2. Coating Material Acceptability	<u>✓</u>	<u>JS</u>	<u>8-24-79</u>
<u>Coating Mixing/Thinning Operations</u>			
1. Mixing	<u>✓</u>	<u>JS</u>	<u>8-24-79</u>
2. Thinning	<u>✓</u>	<u>JS</u>	<u>8-24-79</u>
Comments: <u>See misc. Parts Sheet</u>			

Final Acceptance:

J. E. Sub
(QC Inspector)

INFORMATION
COPY
PPRV

Date 8-24-79

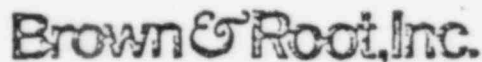
Satisfactory
X Unsatisfactory
* Inspection Hold Point

Mix Number: NA

Applicator: FRANKLIN

Coating Mixing/Thinning Record

Material Identification	Batch Number	Weight Or Volume
1. <u>Phenoline</u> (Base)	<u>9E 0481M</u>	<u>2gal</u>
2. <u>Phenoline</u> (Filler/Catalyst)	<u>9D 0002M</u>	<u>2qt.</u>
3. <u>Phenoline #705</u> (Thinner)	<u>9G 0318M</u>	<u>2gal 2qt.</u>
	Volume (1. + 2.) =	<u>2gal 2qt.</u>
	Volume (1.+2.+3)	<u>3gal 2qt.</u>
Time Mixed <u>10:45</u> a.m./p.m.		
Approx. Temperature <u>84</u> °F		
Pot Life Expires: <u>12:15</u> (approx.) a.m./p.m.		



MISCELLANEOUS STEEL PARTS LIST AC03511

~~PC05557~~
NB 3/2/83

UNIT 1 PAGE 1 OF 1

MRR NUMBER	RIR NUMBER	PURCH'S QR NO.	RLS/HOLD NO. CODE	INPUT DATE
74-79	20-85	1CS-111	STATUS	
			112-121	122-127

ITEM NAME	PART NO.	SIZE	NO. PIECES	STATUS	LOCATION
Crossover Restraint			1		EL. 840 Comp. 2
Imbeds			19		EL. 840 Comp. 2
Pump ties			2		EL. 830 Comp. 2
Pipe Penetration			2		EL. 822 Comp. 2
Pipe Penetration			1		EL. 825 Comp. 2
Imbeds			5		EL. 823 Comp. 2
Neutron Detector Imbed			1		EL. 812 Comp. 2

INFORMATION
COPY
PPRV

RTN L	FILE LOC. 17.1.99.3
EXPERTS LOC. 300/PC #	

ARMS
INDEXED

PC03506
~~PC03353~~ TUB 9/21/83

BUILDING Reactor
LOCATION Ele 211' Comp #3
UNIT #1

PROJECT: CPSES

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT	METE S/N
	DRY BULB	WET BULB	SURFACE			
3:00 AM	75°	70°	80°	75%	64°	3252 277

1. Visual Defects Inspected
2. Ambient Conditions
3. Substrate Prep.
4. Primed Surface Prep.
5. Solvent Cleaning
6. Primer-Thinner Check
7. Primer Cure/Cure Min

RESULTS	INITIAL	DATE
---------	---------	------

INFORMATION
COPY
PPRV

COMMENTS: 2 ea neutron embeds

REF NRC-81-01353

FINAL ACCEPTANCE: INSPECTOR _____ DATE _____

QUALITY ASSURANCE DEPARTMENT

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Building Reactor
Location Elv 811' Comp #3

PROJECT: CPERS

PC03506
no
3/21/83

UNIT #1
PC03353

<u>Pre</u> Coating Materials Verification	Results	Initial	Date
1. Coat <u>Material</u> Product Identification	<u>✓</u>	<u>RD</u>	<u>9-19-79</u>
2. Coat <u>Material</u> Acceptability	<u>✓</u>	<u>RD</u>	<u>9-19-79</u>
<u>Coating Mixing/Thinning Operations</u>			
1. Mixing	<u>✓</u>	<u>RD</u>	<u>9-19-79</u>
2. Thinning	<u>✓</u>	<u>RD</u>	<u>9-19-79</u>

Comments: See neutron detector rods inside

Final Acceptance: Richard Dandy
(Inspector)

INFORMATION
COPY
PPRV

Date 9-19-79

Second Inspector
X Unacceptable
* Inspection Held

Mix Number: N/A

Applicator: Jim Mickle

Mixing/Thinning Record

Material Identification	Batch Number	Weight Or Volume
1. <u>C211</u> (Base)	<u>9D5333M</u>	<u>6lb 9.6oz</u>
2. <u>C211</u> (Filler/Catalyst)	<u>9C1632Z</u>	<u>14lb 9.6oz</u>
3. <u>Carboline #33</u> (Thinner)	<u>9E3680M</u>	<u>1gal 1pt</u>
	Volume (1. + 2.)	<u>1gal</u>
	Volume (1.+2.+3)	<u>1gal 1pt</u>
Time Mixed <u>2:00</u> a.m. <u>10:00</u>		
Approx. Temperature <u>75°</u> OF		
Pot Life Expires: <u>10:00</u> a.m. <u>10:00</u> (approx.)		

QUALITY ASSURANCE DEPARTMENT

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Building Reactor
Location EL840' Comp #2

PROJECT: CPSES

PC03348
PC03501

UNIT #1

NO 3/3/83

<u>Pre-mix Coating Materials Verification</u>	<u>Results</u>	<u>Initial</u>	<u>Date</u>
1. Coating Material Product Identification	<u>✓</u>	<u>RD</u>	<u>8-28-79</u>
2. Coating Material Acceptability	<u>✓</u>	<u>RD</u>	<u>8-28-79</u>
<u>Coating Mixing/Thinning Operations</u>			
1. Mixing	<u>✓</u>	<u>RD</u>	<u>8-28-79</u>
2. Thinning	<u>✓</u>	<u>RD</u>	<u>8-28-79</u>

Comments: See misc Encl

Final Acceptance: Richard Dandy
(QC Inspector)

Date 8-28-79

Satisfactory
☒ Unsatisfactory
* Inspection Hold Point

INFORMATION
COPY
PPRV

Mix Number: Sup mix

Applicator: Bobby George

Coating Mixing/Thinning Record

<u>Material Identification</u>	<u>Batch Number</u>	<u>Weight Or Volume</u>
1. <u>CZ11</u> (Base)	<u>905335 M</u>	<u>13 lb 32 oz</u>
2. <u>CZ11</u> (Filler/Catalyst)	<u>901451 Z</u>	<u>29 lb 32 oz</u>
3. <u>Carboline #33</u> (Thinner)	<u>9E3680 M</u>	<u>1 gal</u>
	Volume (1. + 2.) =	<u>29 gal</u>
	Volume (1.+2.+3)	<u>3 gal</u>
Time Mixed <u>1:00</u> a.m./p.m.		
Approx. Temperature <u>87°</u> OF		
Pot Life Expires: <u>7:00</u> a.m./p.m. (approx.)		

QUALITY ASSURANCE DEPARTMENT
 CARBO ZINC II PRIMER REPAIR WORK INSPECTION CHECKLIST

ARMS INDEXED

PC03348
 PC03501

NB 3/31/83

BUILDING Reactor

LOCATION EL 840 Comp #2

UNIT # 1

PROJECTORATES CPSES

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT	METE S/N	
	DRY BULB	WET BULB	SURFACE				
12:45 AM	87°	75°	90°	57%	70°	3/41 844	

	RESULTS	INITIAL	DATE
1. Visual Defects Inspected			
2. Ambient Conditions	✓	RD	8-28-79
3. Substrate Prep.	✓	RD	8-28-79
4. Primed Surface Prep.	N/A	N/A	N/A
5. Solvent Cleaning	✓	RD	8-28-79
6. Primer-Thinner Check	✓	RD	8-28-79
7. Primer Cure/DFT Min _____ Max _____ Avg _____			

COMMENTS: See miss. Insured

REF. NCR C-81-01373

INFORMATION
COPY
 PPRV

FINAL ACCEPTANCE: INSPECTOR _____ DATE _____

ARMS
INDEXED

PERM. PLT. RECORD 0103579

FILE LOC. 17.1.99.3
SUBFILE LOC.

DATE: QUALITY ASSURANCE DEPARTMENT #

STEEL SUBSTRATE SURFACE PREPARATION INSPECTION CHECKLIST

Location: SHOP

Building: REACTOR

Project: CPSES, Job 35-1195

Unit: # 1

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT
	DRY BULB	WET BULB	SURFACE		
9:00 PM	72°	59°	71°	45%	50°

INFORMATION
COPY
PPRV

1. Ambient Conditions

Results

Initial

Date

2. Air Supply/Sand

3. Surface Projections

4. Sand Blast Cleanup

5. Surface & Profile Acceptable

6. Absence of Foreign Matter

7. Removal of Sharp Projections

✓

R.H.

10-9-80

✓

R.H.

10-9-80

✓

R.H.

10-9-80

✓

R.H.

10-9-80

✓

R.H.

10-9-80

✓

R.H.

10-9-80

✓

R.H.

10-9-80

COMMENTS PWR/377A & 383A

REF LCR C-81-01373

FINAL ACCEPTANCE:

D. Damiano
Inspector

10-10-80
Date

PC03579

QUALITY ASSURANCE DEPARTMENT

STEEL SUBSTRATE PRIMER APPLICATION CHECKLIST

Location: SHOPBuilding: REACTOR

Project: CPES, Job 35-1195

Unit # 1Page 2 of

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT	M&TE S/N
	DRY BULB	WET BULB	SURFACE			
2:00AM	75°	60°	78°	40%	49°	1419 1445

A. Inspection of Pre-application operations in accordance with QI QPIA-3B. Qualified Applicator's Name: C. McCULLOUGH

INFORMATION

COPY

PPRV

ResultsInitialDate

1. Visual Defects Inspection

2. Dry Film Thickness IN MM AVG

3. Touch-up/Repairs

4. Primer Tack-Free Cure

5. Primer Cure Prior to Topcoat

COMMENTS PUR/37TA#383AREF. NCR 0.81-01373

FINAL ACCEPTANCE:

Inspector

Date

PC03579

QUALITY ASSURANCE DEPARTMENT

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Location: SHOP

Building: REACTOR

Project: CPSES, Job 35-1195

Unit # 1

<u>Premixing Coating Materials Verification</u>	<u>Results</u>	<u>Initial</u>	<u>Date</u>
1. Coating Material Product Identification	<u>✓</u>	<u>R.H.</u>	<u>10-10-80</u>
2. Coating Material Acceptability	<u>✓</u>	<u>R.H.</u>	<u>10-10-80</u>
COMMENTS: <u>DWR/377A-383A</u>			

FINAL ACCEPTANCE: R. Hamilton
(QC Inspector)

10-10-80
Date

APPLICATOR C. McCullough

INFORMATION
COPY
PPRV

COATING MIXING/THINNING RECORD

<u>Material Identification</u>	<u>Batch Number</u>	<u>Weight or Volume</u>
1. <u>C211</u> (Base)	<u>0E546AM</u>	<u>22.133.</u>
2. <u>C211</u> (Filler Catalyst)	<u>9H1756Z</u> Volume (1. + 2.)	<u>73.133.</u> = <u>5 GAL.</u>
3. <u>CARBOLINE #33</u> (Thinner)	<u>003774 M</u> Volume (1. + 2. + 3)	<u>50.13.</u> <u>5 GAL. 50.13.</u>

Time Mixed 12:50 AM/PM

Approximate Temperature 75 OF Pot Life Expires: 8:50 AM/PM
(approximate)

ARMS
INDEXED

PERM. PLT. RECORD

RTN L	FILE LOC 17.1.99.3
SUBFILE LOC. 300/PC #	

PC03518

QUALITY ASSURANCE DEPARTMENT

STEEL SUBSTRATE SURFACE PREPARATION INSPECTION CHECKLIST

Location: Paint Shop

Building: N/A

Project: CPSES, Job 35-1195

Unit: N/A

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT
	DRY BULB	WET BULB	SURFACE		
11:30	51°	47°	58°	75%	43°

QI-QD 11.4-1

1. Ambient Conditions

2. Air Supply/Sand

3. Surface Projections

4. Sand Blast Cleanup

5. Surface & Profile Acceptable

6. Absence of Foreign Matter

7. Removal of Sharp Projections

INFORMATION
COPY
PPRV

Results

Initial

Date

MD

2-5-80

MD

2-5-80

MD

2-5-80

MD

2-5-80

MD

2-5-80

MD

2-5-80

MD

2-5-80

COMMENTS Cable trays #5522, 5516, 6842

REF. NCR CBI-01370

FINAL ACCEPTANCE:

Inspector

2-5-80

Date

QUALITY ASSURANCE DEPARTMENT
STEEL SUBSTRATE
PRIMER APPLICATION CHECKLIST

PCO 3518

Building N/A
Location Paint Shop

PROJECT: CPSES

UNIT N/A PAGE OF

Time of Day	Temperature			Relative Humidity	Dew Point	M&TE S/N
	Dry Bulb	Wet Bulb	Surface			
<u>12:00</u>	<u>51°</u>	<u>45°</u>	<u>58°</u>	<u>75%</u>	<u>43</u>	<u>1419 + 1441</u>

1. Inspection of Pre-application operations in accordance with QIPD 11-4-3

2. Qualified Applicators Name: Cris Hall

	RESULTS	INITIAL	DATE
1. Visual Defects Inspection	<u>✓</u>	<u>RD</u>	<u>2-12-80</u>
2. Dry Film Thickness Min. <u>2</u> Max. <u>53</u> Avg. <u>2.5</u>	<u>✓</u>	<u>RD</u>	<u>2-12-80</u>
3. Touch-up/Repairs.	<u>N/A</u>	<u>RD</u>	<u>2-12-80</u>
4. Primer Tack-Free Cure	<u>✓</u>	<u>RD</u>	<u>2-12-80</u>
5. Primer Cure Prior to Topcoat	<u>✓</u>	<u>RD</u>	<u>2-12-80</u>

INFORMATION
COPY
PPRV

COMMENTS: Cable tray #5522, 5516, 6842

Ref. LXR C-81-01370

FINAL ACCEPTANCE:

INSPECTOR Richard Dendy

DATE 2-12-80

QUALITY ASSURANCE DEPARTMENT

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

Location: Paint Shop Building: N/A
 Project: CPSES, Job 35-1195 Unit N/A

PC03518

<u>Premixing Coating Materials Verification</u>	<u>Results</u>	<u>Initial</u>	<u>Date</u>
1. Coating Material Product Identification	/	<u>MD</u>	<u>2-5-80</u>
2. Coating Material Acceptability	/	<u>MD</u>	<u>2-5-80</u>

COMMENTS: Cable trays 5522, 5516, 6842

FINAL ACCEPTANCE: Mark Sandy
 (QC Inspector)

2-5-80
 INFORMATION
COPY
 PPRV

APPLICATOR Cris Hall

COATING MIXING/THINNING RECORD

<u>Material Identification</u>	<u>Batch Number</u>	<u>Weight or Volume</u>
1. <u>Carbo Zinc 11</u> (Base)	<u>965418M</u>	<u>33 lbs 0.002</u>
2. <u>Carbo Zinc 11</u> (Filler/Catalyst)	<u>9417602</u> Volume (1. + 2.)	<u>73 lbs 0.002</u> = <u>96 lbs 0.002</u>
3. <u>Carboline 33</u> (Thinner)	<u>961071M</u> Volume (1. + 2. + 3)	<u>8002</u> <u>96 lbs. 8002.</u>

Time Mixed 2:00 AM AM PM
 Approximate Temperature 61 °F Pot Life Expires: 12:00 AM PM
 (approximate)

ARMS
INDEXED

RTN L	FILE LOC. 17.1.99.3
SUBFILE LOC. 300/PC #	

PC03508

PC03355
NO 3/31/93

QUALITY ASSURANCE DEPARTMENT

STEEL SUBSTRATE SEAL COAT APPLICATION CHECKLIST

Location: CBI Laydown yard

Building: React

Project: CPSPS, Job 35-1195

Unit: 1 Page 1 of 2

TIME OF DAY	TEMPERATURE			RELATIVE HUMIDITY	DEW POINT
	DRY BULB	WET BULB	SURFACE		
1:00PM	75°	52°	115°	15%	25°

INFORMATION
COPY
PPRV

	Results	Initial	Date
1. Visual Defects Inspection	✓		
2. Dry Film Thickness MIN ___ MAX ___ AVG ___			
3. Touch-up Operations			
4. Seal Coat Tack Free Cure			
5. Seal Coat Cure Prior to Top Coat			

COMMENTS: Equipment Hatch liner plate 74-2428
REF. NCR(-81-01373

FINAL ACCEPTANCE: _____
Inspector _____ Date _____

QUALITY ASSURANCE DEPARTMENT

PROTECTIVE COATING MATERIAL IDENTIFICATION AND MIXING CHECKLIST

PC03508
PC03355
ub 5/2/83

Location: CBI Laydown yard

Building: Rate

Project: CPSES, Job 35-1195

Unit # 1

Premixing Coating Materials Verification

Results

Initial

Date

1. Coating Material Product Identification

✓

RD

4-9-80

2. Coating Material Acceptability

✓

RD

4-9-80

COMMENTS: Equipment batch lines plot 74-2428

FINAL ACCEPTANCE:

Richard Dumbly
(QC Inspector)

4-9-80

Date

APPLICATOR

Bobby Long

INFORMATION
COPY
PPRV

COATING MIXING/THINNING RECORD

	<u>Material Identification</u>	<u>Batch Number</u>	<u>Weight or Volume</u>
1.	<u>Phenolins</u> (Base)	<u>9E0482M</u>	<u>2gal</u>
2.	<u>Phenolins</u> (Filler/Catalyst)	<u>9E0443M</u>	<u>2gal</u>
		Volume (1. + 2.) =	<u>2gal</u>
3.	<u>Phenolins</u> (Thinner)	<u>9M2285M</u>	<u>1gal</u>
		Volume (1. + 2. + 3)	<u>3gal</u>

Time Mixed 1:40

AM/PM

Approximate Temperature 75

OF

Pot Life Expires:

3:00

AM/PM

(approximate)

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 1

NO. PC106756

ITEM DESCRIPTION PROTECTIVE COATING		IDENTIFICATION NO.		SYSTEM / STRUCTURE DESIGNATION	
STORAGE & MAINTENANCE		N/A		PAINT STORAGE Warehouse	
SPEC. NO.	REV.	REF. Q.C. DOC. & REV. & CHANGE NO.		MEASURE OR TEST EQUIP. IDENT. NO.	
AS-31	1	QI-QP-11.4-17, Rev. 6		3276, 3278, 1849	

☒ 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

QC INSPECTOR

DATE

H. J. Gunn 10/3/83

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
1.	Temperature maintained per Para. 3.1.a	✓			
2.	Temperature recording charts attached per Para. 3.1	✓			
3.	Containers not leaking or damaged per Para. 3.1.b	✓			
4.	Storage records show "First-In;First-Out" per Para. 3.1.c	✓			
5.	Labels are legible per Para. 3.1.d	✓			
6.	Shelf life not expired per Para. 3.1.e	✓			
7.	Coatings segregated from all other per Para. 3.1.f	✓			
8.	Area reasonably clean per Para. 3.1.g	✓			

REMARKS (DWGS, SPECS, ETC.)

9th Month 1983

- Due -

3276-10/28/831849-10/12/833278-12/2/83

INFORMATION
COPY
PPRV

PERM. PLT. RECORD

RT.	FILE LOC.
1	17.1.99.3
SUB FILE LOC.	300/PC #

ARMS
INDEXED

DATE:

RELATED NCR NO.

N/A

I.R. CLOSED

☐

DATE

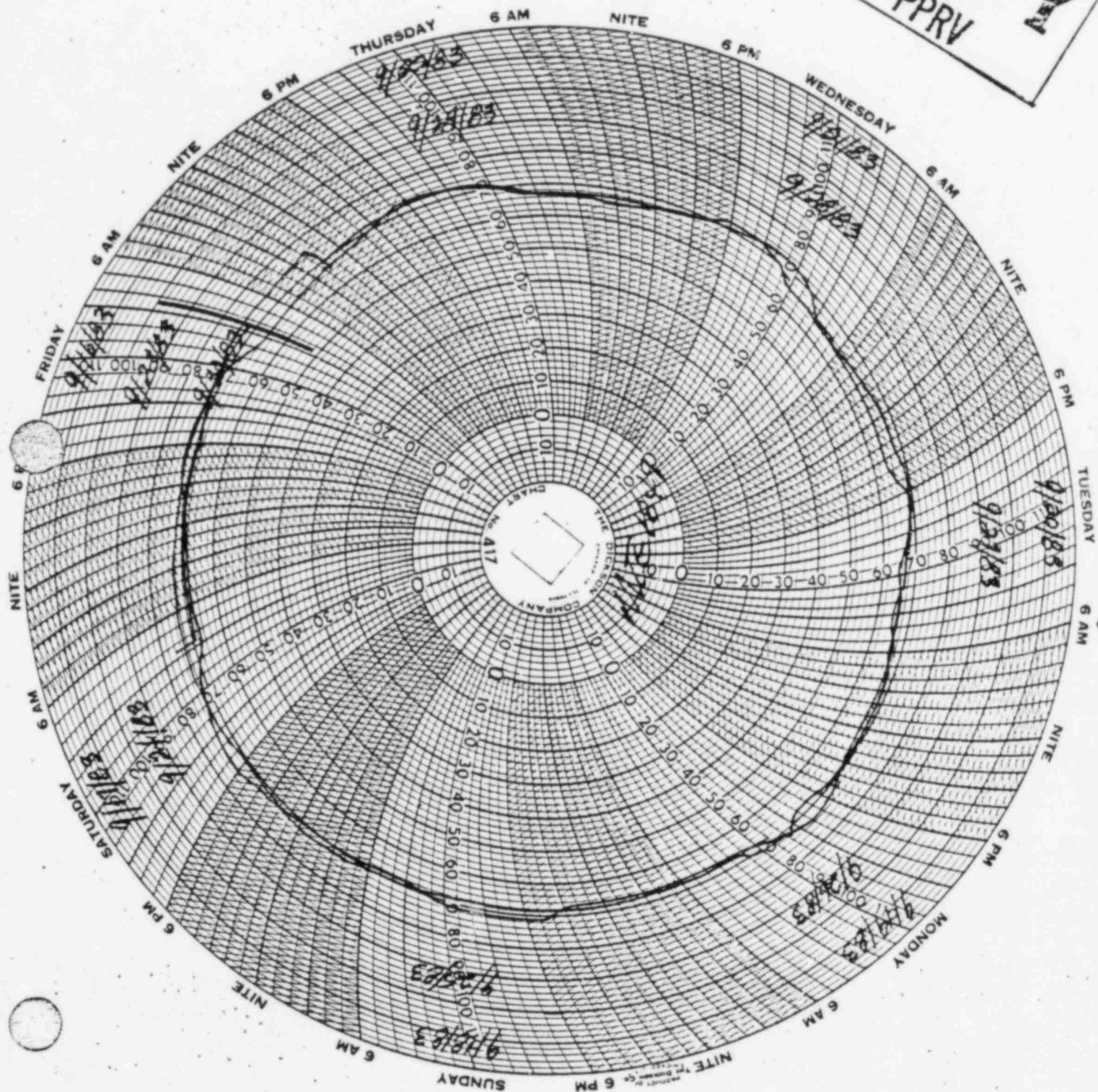
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SIGNATURE

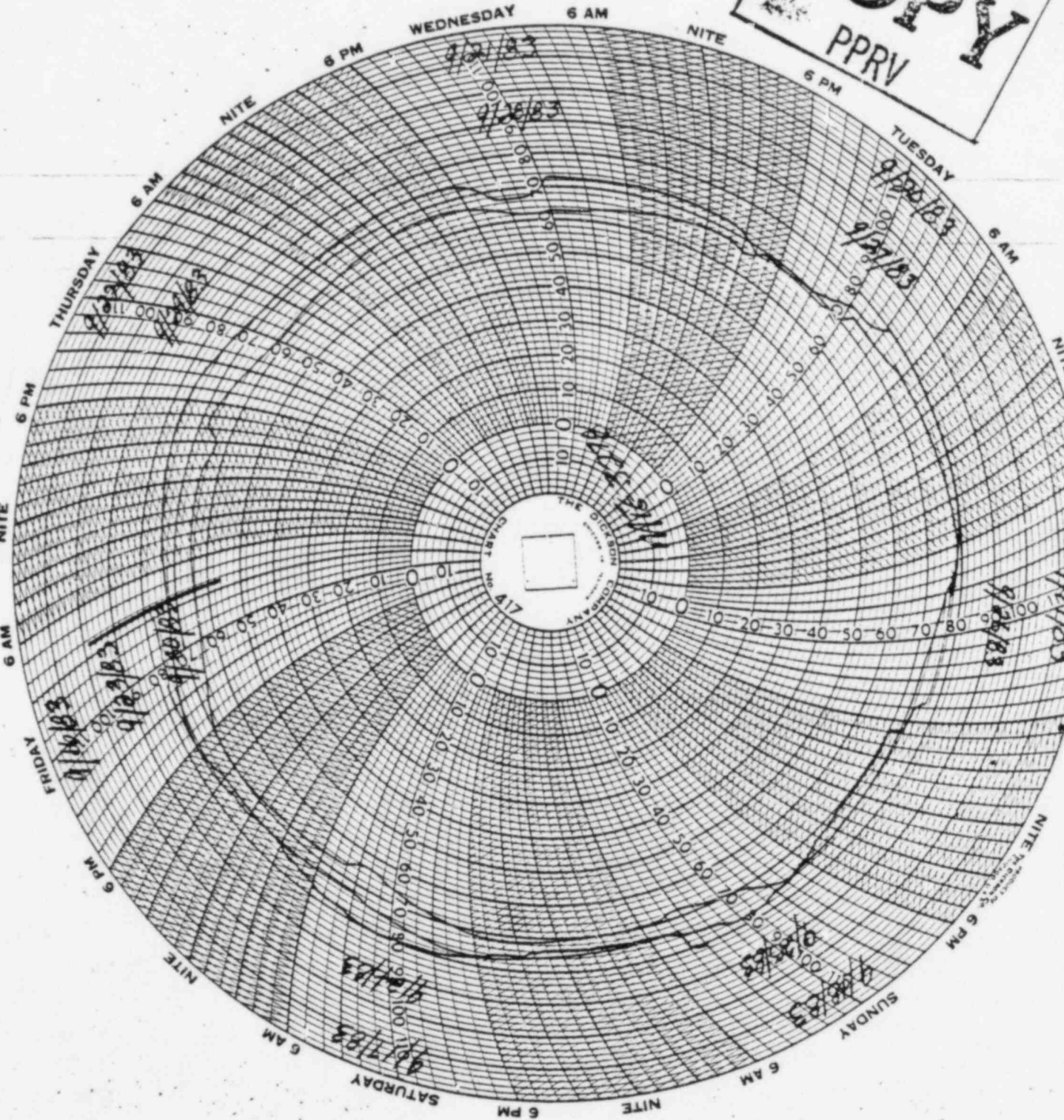
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QC INSPECTOR

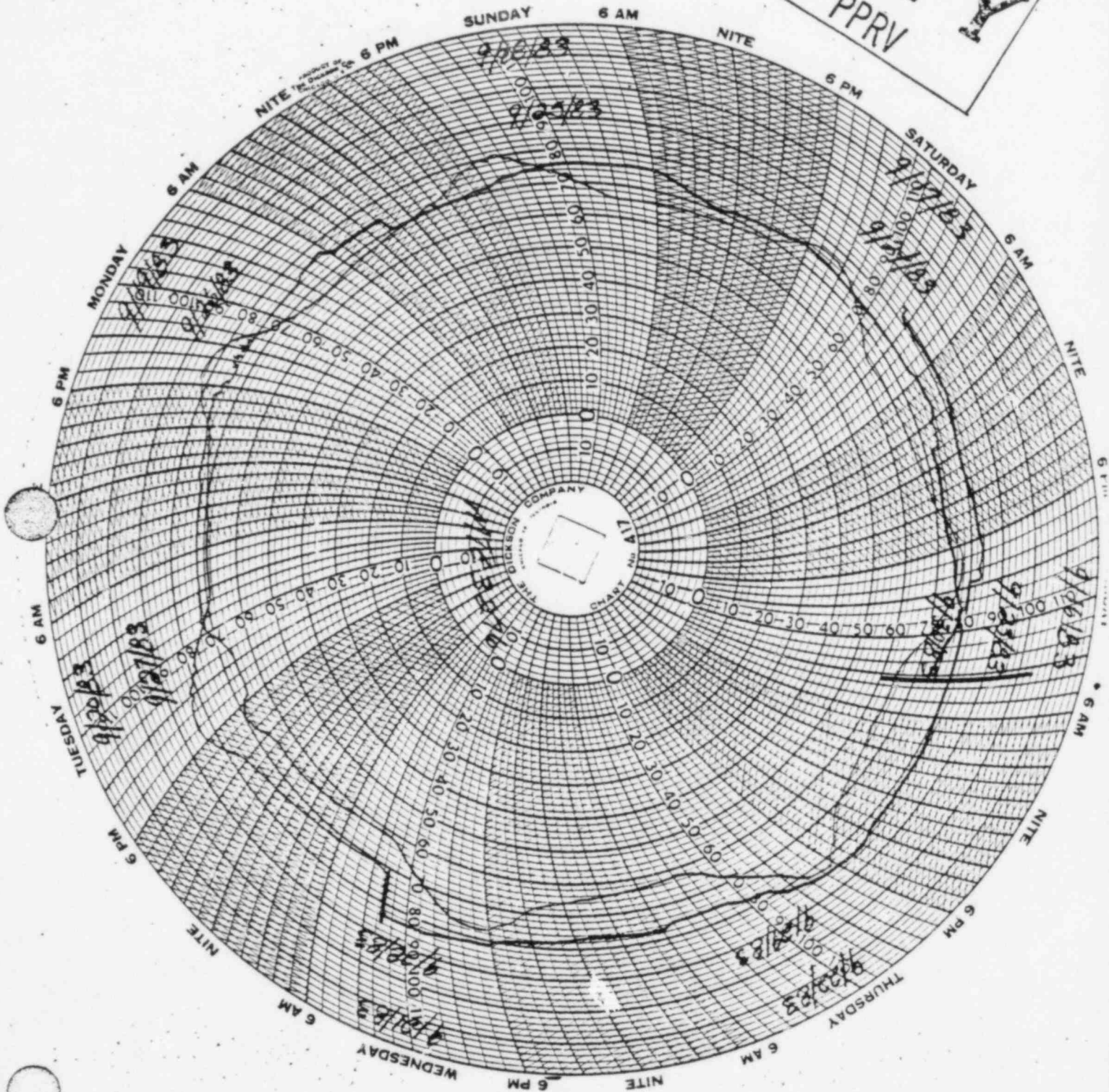
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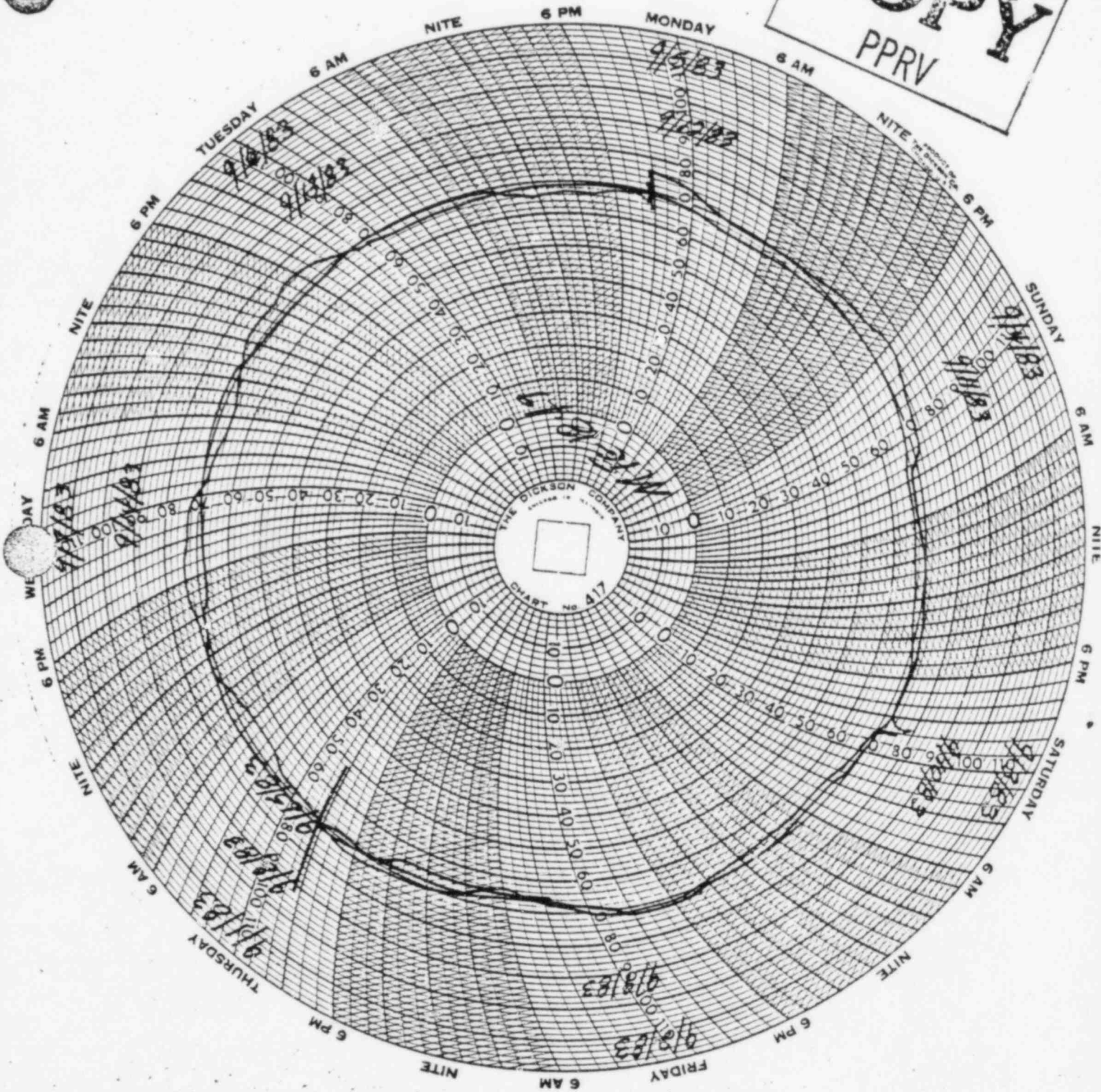
INFORMATION
COPY
PPRV
6 PM



INFORMATION
COPY
PPRV

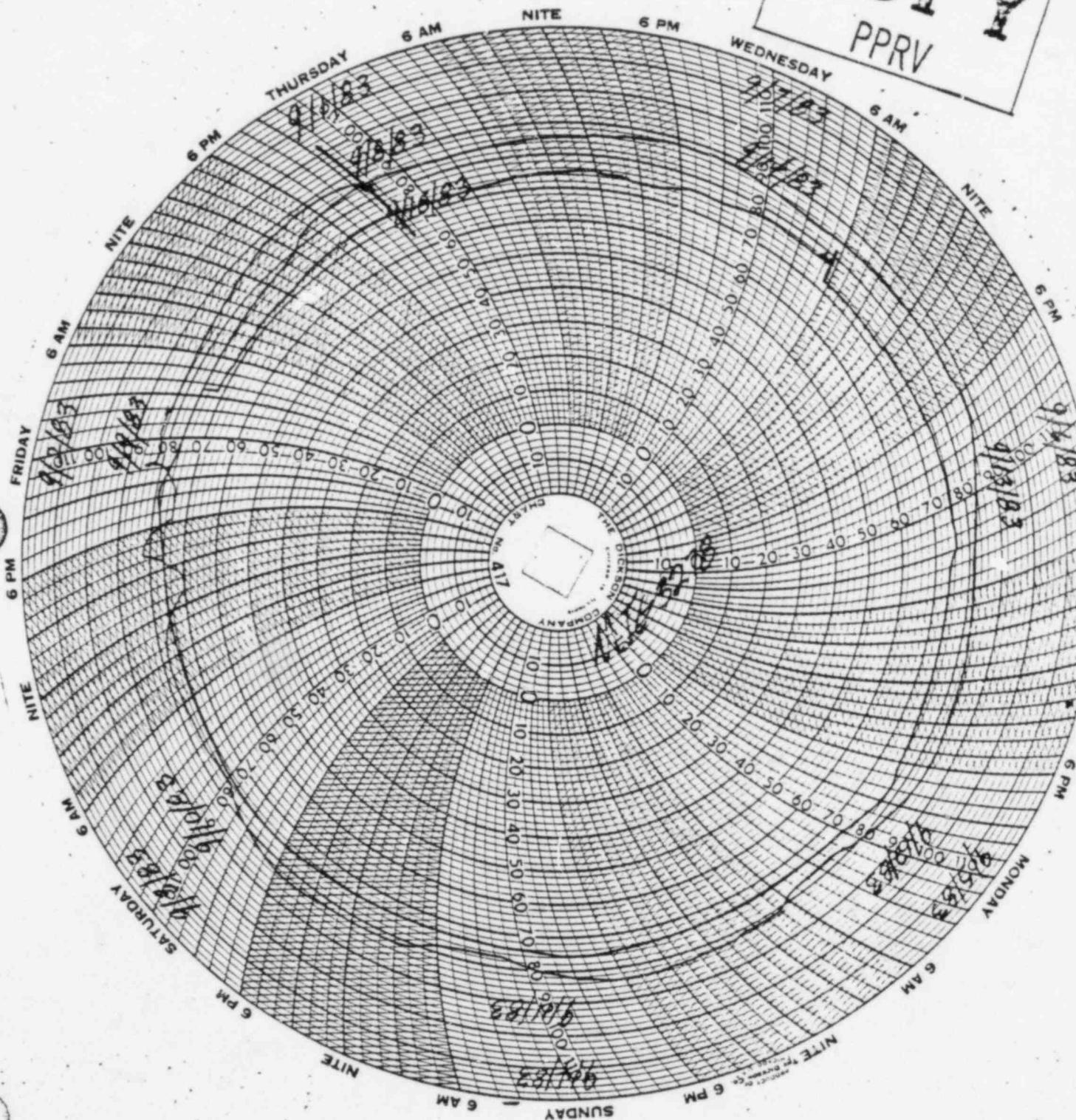


INFORMATION
COPY
PPRV

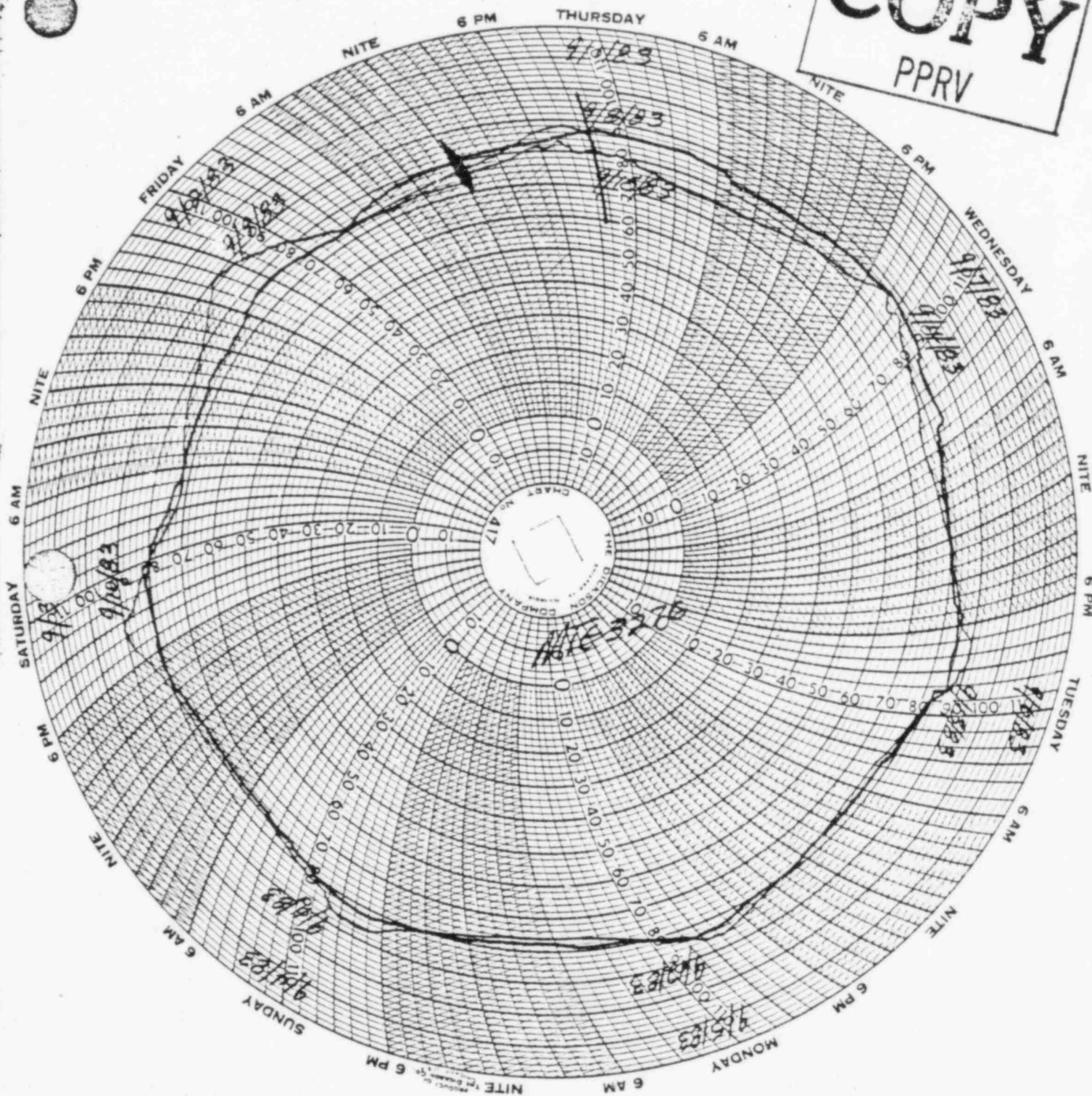


INFORMATION
COPY

PPRV



INFORMATION
COPY
PPRV



COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 1
NO. PC 100231

ITEM DESCRIPTION		IDENTIFICATION NO.		SYSTEM / STRUCTURE DESIGNATION	
SPEC. NO.		REV.		REF. Q.C. DOC. & REV. & CHANGE NO.	
AS-31		1		QI-OP-11.4-17, Rev 5	
MEASURE OR TEST EQUIP. IDENT. NO.		1849, 3276, 3278			
<input checked="" type="checkbox"/> IN PROCESS INSPECTION		<input type="checkbox"/> PRE INSTALLATION VERIFICATION		<input type="checkbox"/> INSTALLATION INSPECTION	
<input type="checkbox"/> FINAL INSPECTION		<input type="checkbox"/> PRETEST INSPECTION			

INSP. RESULTS

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

QC INSPECTOR

DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
AS-31 - THERMO-LAG 330-1 and 350					
1.	Temperatures between 45°F-100°F for AS-31	✓			
	Temperatures between 35°F-100°F for Thermo-Lag 330-1	N/A			
	Temperatures between 60°F-120°F for Thermo-Lag 350	N/A			
2.	Temperature recording charts attached (Per Para. 3.1)	✓			
3.	Containers not leaking or damaged (Per Para. 3.1)	✓			
4.	Storage records show "First-In; First-Out" (Per Para 3.1)	✓			
5.	Labels are legible (Per Para. 3.1)	✓			
6.	Labels identifiy: (Per Para. 3.1)	✓			
	a) Product identification	✓			
	b) Manufacturer	✓			
	c) Date of manufacturer	✓			
	d) Batch number	✓			
7.	Shelf life not expired (Per Para. 3.1)	✓			
8.	AS-31 coatings segregated from all other (Per Para. 3.1)	✓			
9.	Area reasonably clean (Per Para. 3.1)	✓			
10.	Containers stored in orderly fashion (Per Para. 3.1)	✓			

REMARKS (DWGS, SPECS, ETC.) 3rd Month 1983

INFORMATION
COPY
PPRV

PERM. PLT. RECORD

RTN	FILE LOC
L	171103
SUBFILE LOC.	300/PC #

ARMS
INDEXED

RELATED NCR NO.	I.R. CLOSED	DATE	SIGNATURE
N/A	<input type="checkbox"/>	N/A	QC INSPECTOR

INFORMATION
COPY

PPRV
MONDAY

3/21/83
3/22/83

6 AM

NITE

SUNDAY

6 AM

NITE

6 PM

SATURDAY

6 AM

NITE

6 PM

FRIDAY

6 AM

NITE

6 PM

THURSDAY

6 AM

6 PM

WEDNESDAY

6 AM

NITE

6 PM

TUESDAY

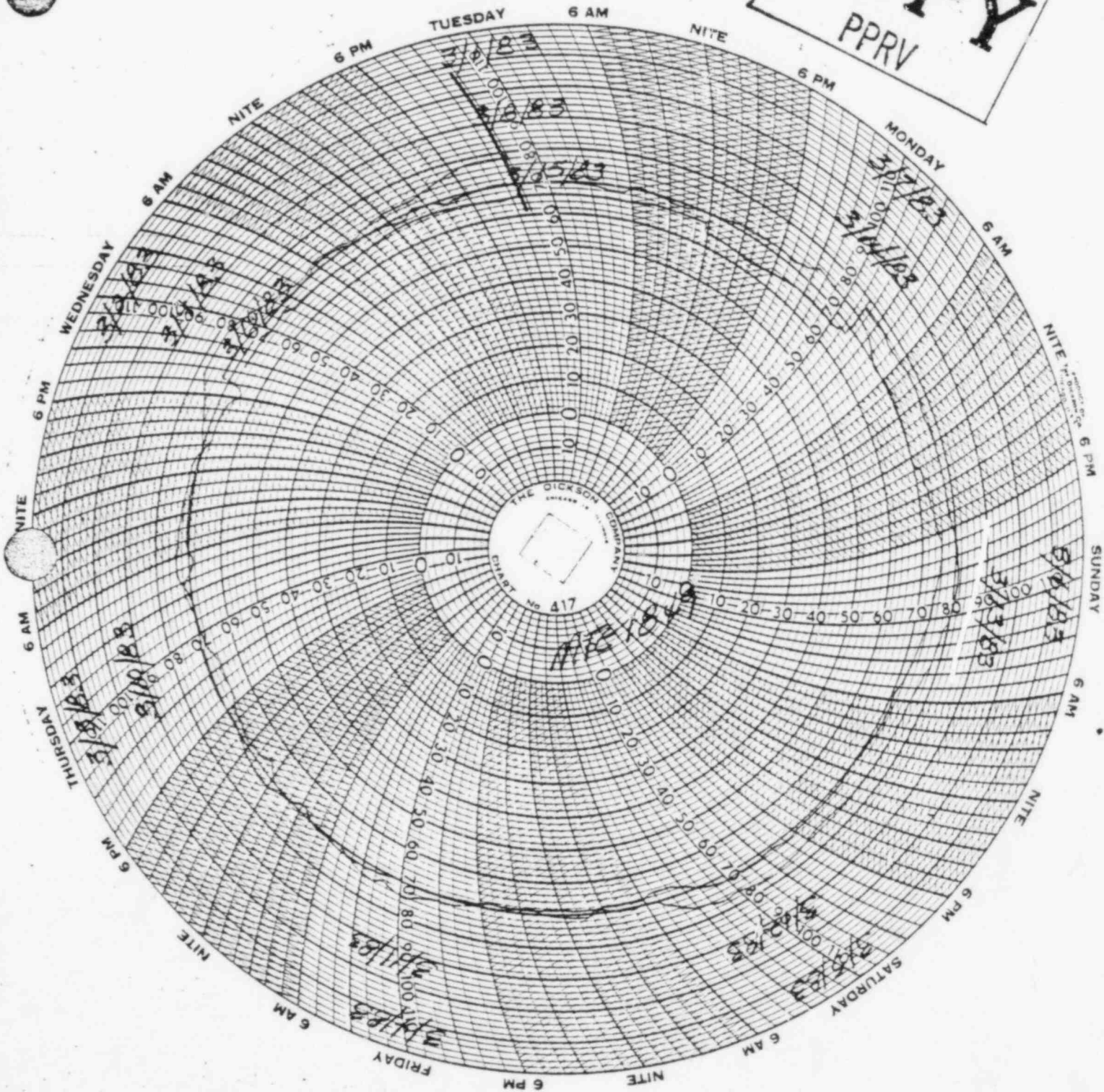
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NITE

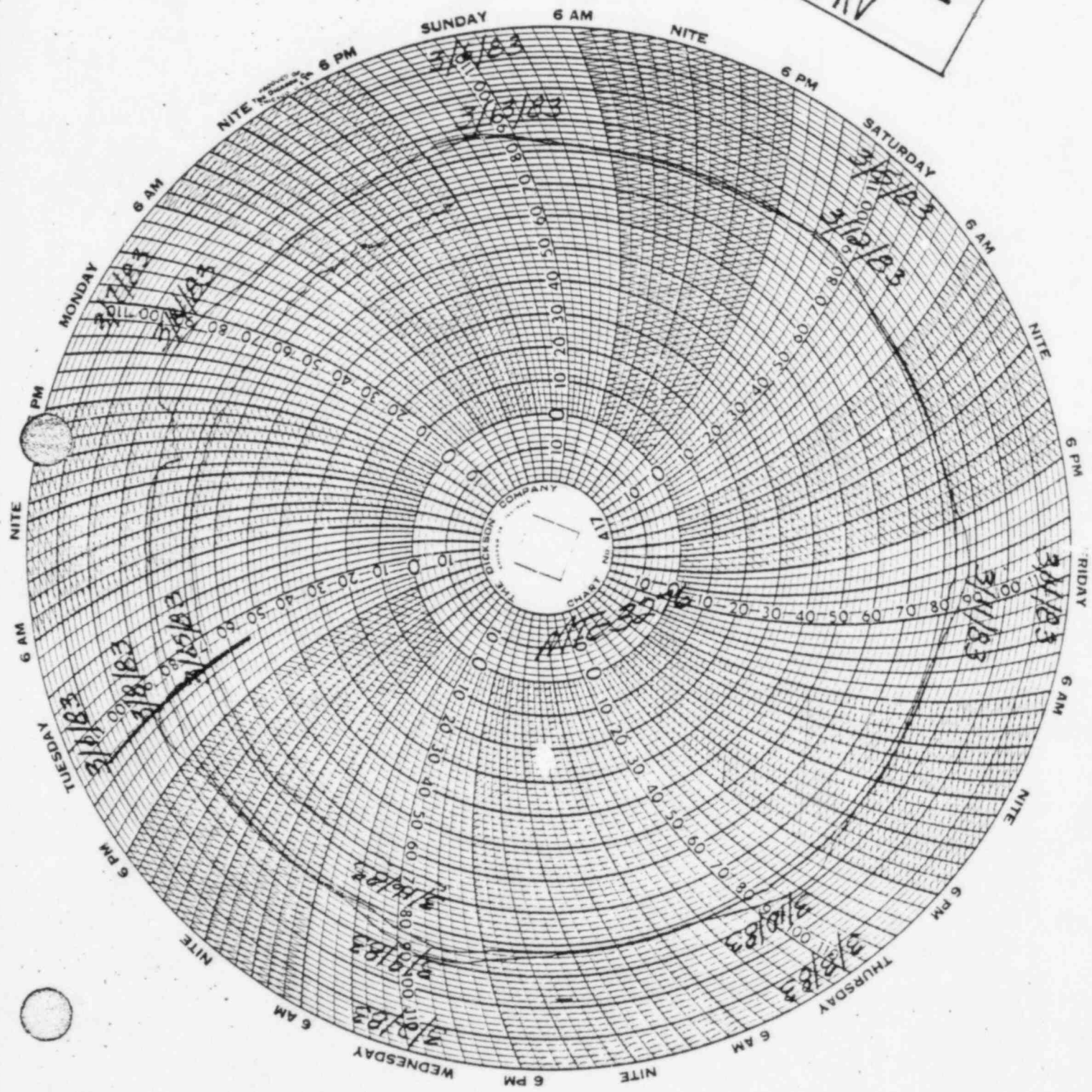
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THE JACKSON COMPANY
CHART No. 417

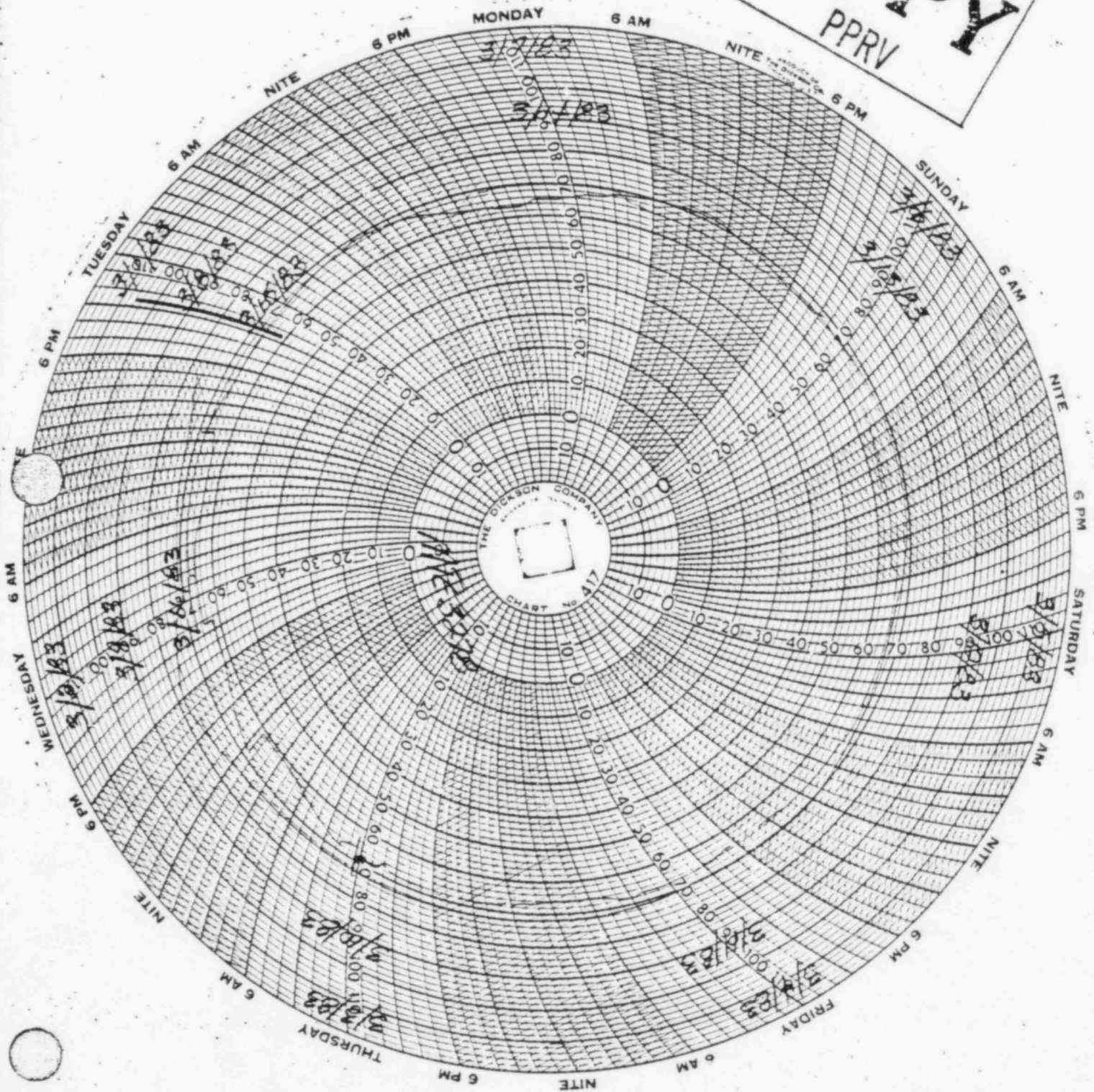
INFORMATION
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PPRV



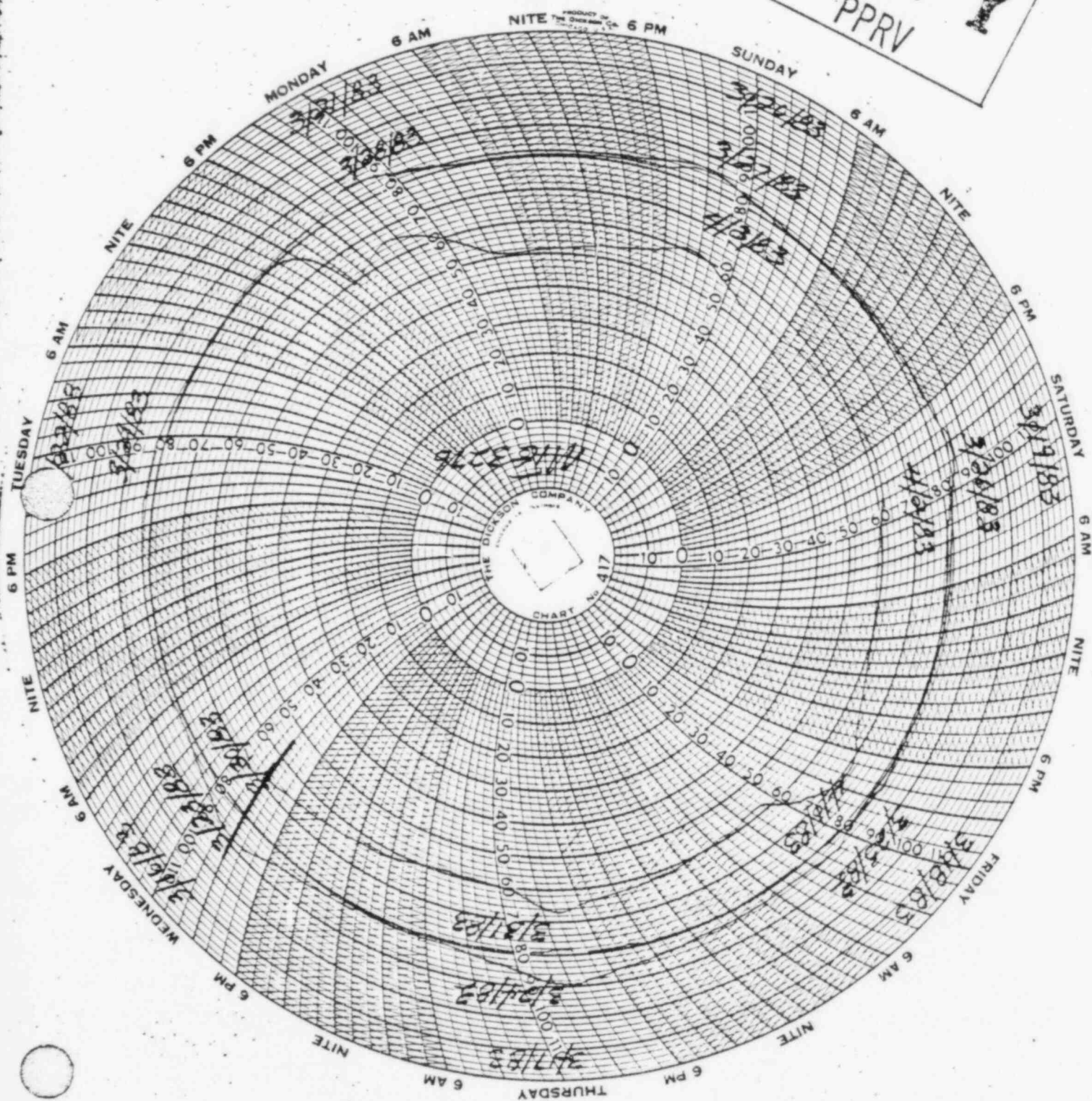
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PPRV



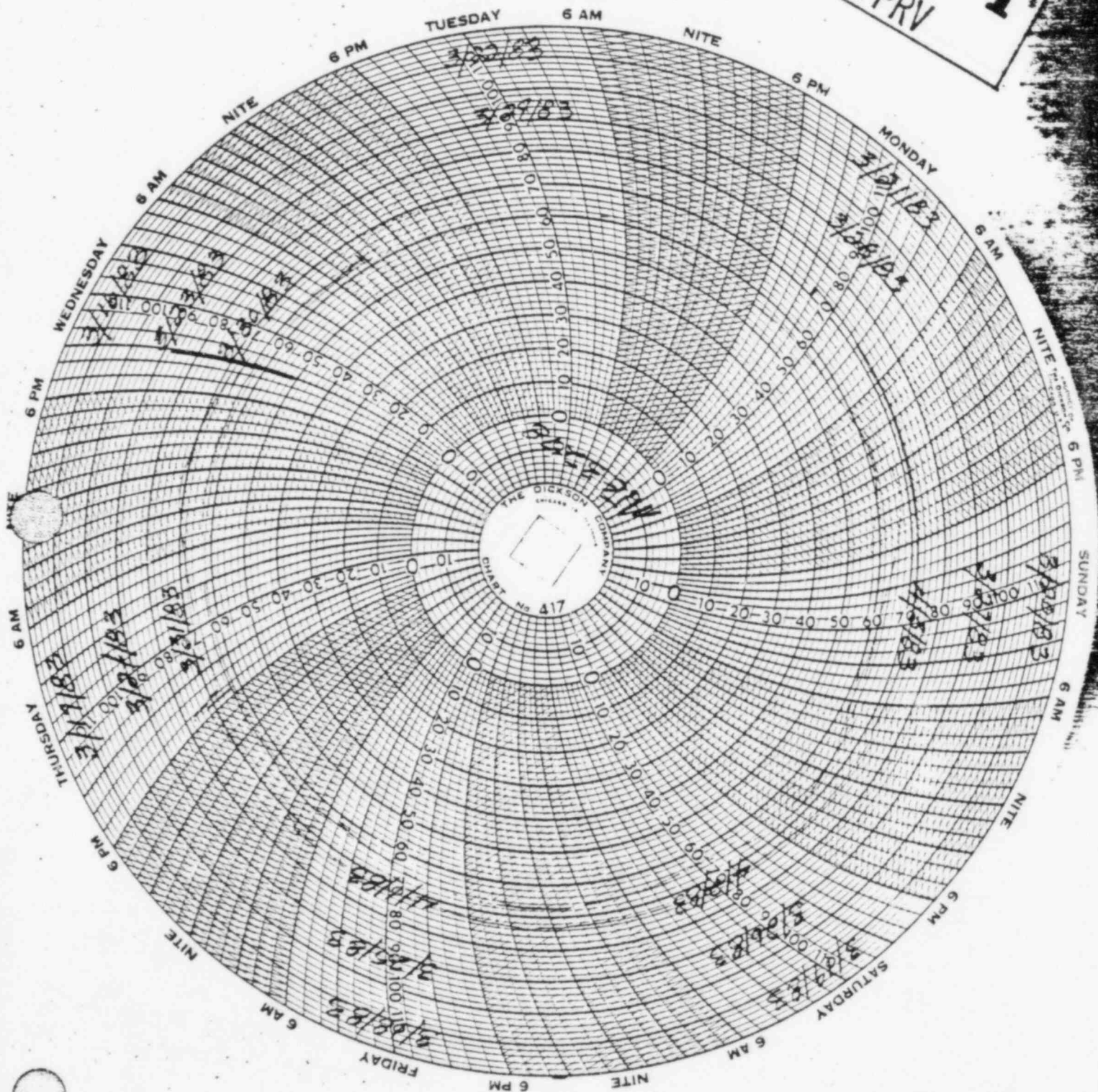
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INFORMATION
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PPRV



INFORMATION
COPY
PPRV



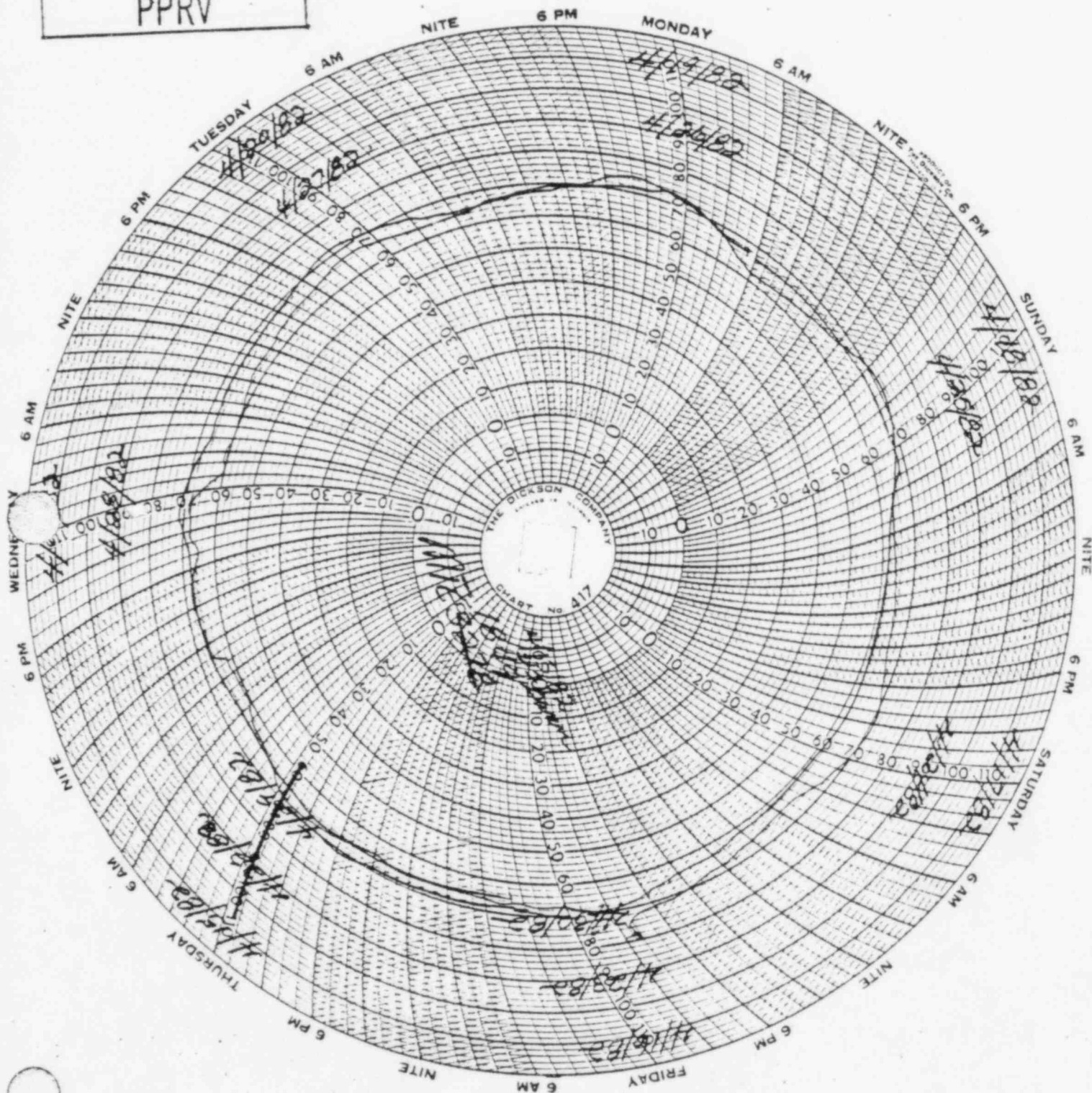
INSPECTION REPORT

SHEET 1 OF 1
NO. PC 44-709

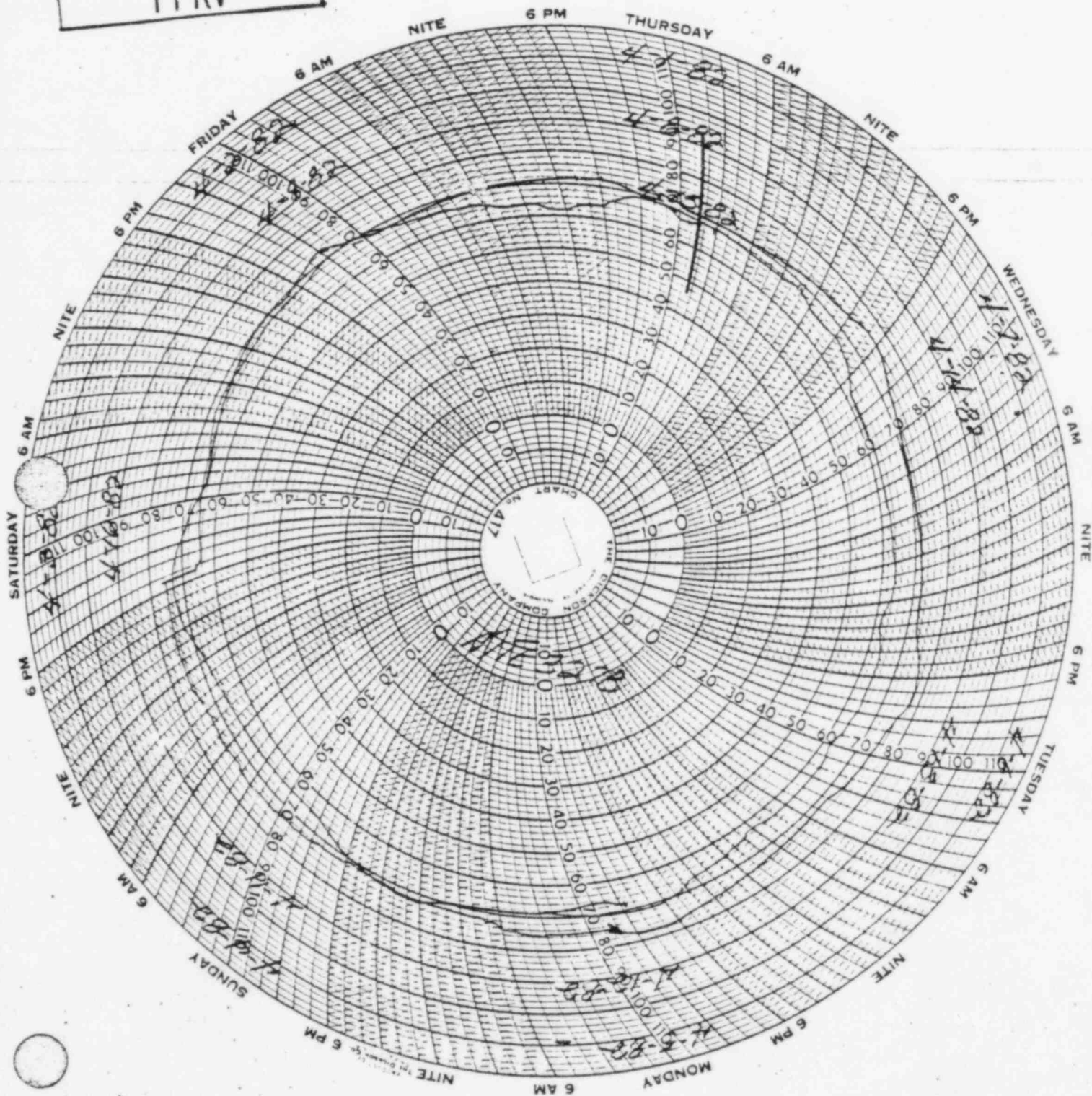
☐ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

DATE:

QC INSPECTOR



INFORMATION
COPY
PPRV



UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
1 & 2	Containment Bldg.	Phenoline 305 Part "B"	* See Below	Paint Warehouse	N/A

NONCONFORMING CONDITION

*Phenoline 305 Catalyst Part "B" Batch numbers: 0M2708M, dated 12/80, 0L2531M, dated 11/80, and 1J2791M, dated 9/81.

Indeterminate conditions were identified in subject batches as follows:

Batch No. 0M2708M - dark wine color (normally Amber) settled particles of possible deleterious materials.

Batch No. 0L2531M - settled particles of possible deleterious materials.

Batch No. 1J2791M - suspended fine particles of possible deleterious materials.

Hold tags have been attached to containers of subject batches.

REFERENCE DOCUMENT: QI-QP-11.4-5 REV 7 PARA 3.3.5.1

REPORTED BY: Bob Hamilton DATE: 12, 14, 81

QA REVIEW/APPROVAL: *Harry O. Williams* DATE: 1/14/82
ACTION ADDRESSEE: J. T. Merritt/Kissinger DEPARTMENT: Engineering

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

See Attached.

ARMS
INDEXED

DATE: _____

QA RECORD 01

RTN.	QA REVIEW
<u>L</u>	<u>KW 5983</u>
FILE NO.	<u>15</u>
SUBFILE NO.	<u>NCR - No.</u>

FOR INFORMATION ONLY

ENG. REVIEW/APPROVAL: *CR Houston* DATE: 1/29/82

QA REVIEW APPROVAL: *R. A. Cumming* DATE: 2/1/82

DISPOSITION VERIFICATION & CLOSURE: *CT. [Signature]* DATE: 5/6/83

COMMENTS: Rev. 1 issued to change action addressee

REPORTING PERSONNEL

ACTION ADDRESSEE

DISPOSITION:

The nonconforming conditions, as stated above, have been evaluated by engineering and Carboline Company with the following results:

The dark wine color noted in catalyst with batch No. QM2708M does not affect the cure or performance of the coating.

The particulate material noted in all three above batches listed under nonconforming conditions has been found nondeleterious to the coatings cure and performance. The particles should be screened from the material prior to use. However, if screening is not performed, the finished product must exhibit smooth continuous film characteristics.

Previously applied Phenoline 305 which contained the batches of catalyst listed in the above nonconforming condition shall be used as is. Further coating activities with the listed catalyst batches shall be performed only if the subject material is screened prior to use.

FOR INFORMATION ONLY

*Recd
12-31-81
10:45
Ch*

*AKMS
mem
DCF
JCW
M.W.
File*

TUGCO GRSE

W/ INFOMASTER. 1-007717D365 12/31/81

TLX CARROLIN STL B

01 ST LOUIS MO 12-31-81

TWX 9108908660 TUGCO GRSE

BROWN AND ROOT INC

TTN D C FRANKUM

JERRY C WALKER

MARK WELLS

RE TEXAS UTILITIES SERVICES, INC.

COMANCHE PEAK STEAM ELECTRIC STATION

2300 MW INSTALLATION

PURCHASE ORDER NO 35-1195-15795

NCR C-81-01724

WE HAVE RECEIVED YOUR LETTER OF DECEMBER 14, 1981 AND SAMPLES OF THE FOLLOWING BATCHES OF PHENOLINE 305 FINISH, PART B:

QM2708M

OL2531M

IJ2791M

THE PROBLEM WITH THIS MATERIAL AS REPORTED ON ~~NCR C-81-01724-012~~ BY MARK WELLS IS PARTICLES WITHIN THE MATERIAL AND A VARIANCE IN COLOR OF ONE OF THE BATCHES (QM2708M)

WE HAVE INSPECTED THESE SAMPLES AND HAVE DETERMINED THAT THE PARTICLES ARE FOREIGN MATERIAL WHICH MAY HAVE FALLEN INTO THE CANS PRIOR TO THESE CANS BEING FILLED WITH PRODUCT. THESE PARTICLES SHOULD BE SCREENED FROM THE PART B WITH 60 OR 100 MESH SCREEN AND WILL NOT EFFECT THE CURE OR PERFORMANCE OF THE PRODUCT.

FOR INFORMATION ONLY

THE CAUSE OF THE COLOR DIFFERENCE IN BATCH (QM2708M) IS STILL BEING INVESTIGATED. THE CURE USING THIS PART B IS VERY GOOD AND DO NOT FEEL THE VARIATION IN COLOR WILL ADVERSELY EFFECT THE PERFORMANCE OF THE PRODUCT. WE RECOMMEND, HOWEVER, THAT THE REMAINING BATCHES OF THIS MATERIAL NOT BE USED UNTIL WE DETERMINE THE CAUSE OF THIS COLOR DIFFERENCE.

RICK VOLES

CCNANDY BERNARD

CC CHARLES RUSHING

COPY

January 19, 1982

Mr. D. C. Frankum
Brown & Root, Inc.
P. O. Box 1001
Glen Rose, TX 76043

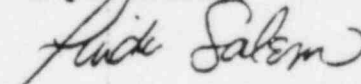
Reference: Texas Utilities Services, Inc.
Comanche Peak Steam Electric Station
Purchase Order No. 35-1195-15795
Phenoline 305 Finish Part B
Batches OM2708M, OL2531M, 1J2791M

Dear Mr. Frankum:

As requested, this letter confirms information discussed between Mr. Mark Wells, and members of Carboline's Technical Service. In our opinion, the particulate materials observed in the above batches of Phenoline 305 Finish Part B will not adversely affect the system's performance. Large particles could affect the esthetics and the decontamination characteristics of the final film. However, as long as a smooth, continuous film resulted from already applied materials, as Mr. Wells has relayed, these effects will be negligible.

Batch No. OM2708M is a darker color than other batches of the material. This color did not affect the cure of the material tested in our laboratory. In our opinion this color will not adversely affect the system's performance.

Respectfully,



Linda Salem
Laboratory Projects Manager

nt/1/513/
Frankum/011882
cc: Mr. Jerry Walker/Mr. Mark Wells

FOR INFORMATION ONLY

INSPECTION REPORT

SHEET 1 OF 1
NO. PC 100693

INSP. RESULTS

☐ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Nell Bitter 4/29/53
QC INSPECTOR DATE

[illegible]

REMARKS (DWGS, SPECS, ETC.)

* BATCH # OM2708M
~~OLM~~ OL2531M
 H2773 1J2791M

FOR INFORMATION ONLY.

RELATED NCR/NO. <u>NA</u>	I.R. CLOSED <u>NA</u> <input type="checkbox"/>	DATE <u>NA</u>	SIGNATURE <u>NA</u> <input type="checkbox"/> POC INSPECTOR	16
---------------------------	--	----------------	--	----

UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
1 & 2	Containment Bldg.	Phenoline 305 Part "B"	*See Below	Paint Warehouse	N/A

NONCONFORMING CONDITION

*Phenoline 305 Catalyst Part "B" Batch Numbers: 0M2708M, dated 12-80, 0L2531M, dated 11-80, and 1J2791M, dated 9-81.

Indeterminate conditions were identified in subject batches as follows:

Batch No. 0M2708M - dark wine color (normally Amber) settled particles of possible deleterious materials.

Batch No. 0L2531M - settled particles of possible deleterious materials.

Batch No. 1J2791M - Suspended fine particles of possible deleterious materials.

Hold tags have been attached to containers of subject batches.

REFERENCE DOCUMENT: QI-QP-11.4-5 REV 7 PARA 3.3.5.1

REPORTED BY: Bob Hamilton DATE: 12 / 14 / 81

QE REVIEW/APPROVAL: *Harry O. Williams* DATE: 12/15/81 5C

ACTION ADDRESSEE: R. G. Tolson DEPARTMENT: QA

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

ENG. REVIEW/APPROVAL

FOR INFORMATION ONLY

QE REVIEW APPROVAL: DATE: / /

DISPOSITION VERIFICATION & CLOSURE: DATE: / /

COMMENTS:

REPORTING PERSONNEL

ACTION ADDRESSEE



QA RECORD

Brown & Root Inc.

QUALITY ASSURANCE DEPARTMENT
NONCONFORMANCE REPORT (NCR)ARMS
INDEXED

(11) NCR No. C-1729 R1

PAGE 1 OF 3

PROJECT CPSES	JOB NO. 35-1195	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
(2) UNIT	STRUCTURE/SYSTEM	Item/Component	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
Job/35-1195		Carbo Zinc 11 Base	9H-5381 M Batch No.	Paint "Q" Storage	N/A

(3) NONCONFORMING CONDITION

DOCUMENT VIOLATED: 2323AS31
QI-QP-11.4-2

REV 1 PARA 6.6A
2 3.1.1

(4) TREND CATEGORY C-11

Carbo-Zinc 11 base-batch 9H5381M was noted for containing what is believed to be "Grease" particles and/or foreign contaminants.

Discrepant Qty-300 gal./5 gal. containers.

Rev. 1 to change disposition

* 1 ea. hold tag applied.

(5) REPORTED BY: R. Hamilton	(6) DATE: 10/2/79	(9) REVIEW/APP. APPROVAL: <i>Harry D. Williams</i>	(10) DATE: 10/17/79
(7) PREPARED BY: R. Hamilton	(8) DATE: 10/2/79	(11) ISSUED BY: <i>Clara Halliday</i>	(12) DATE: 10/17/79

(13) DISPOSITION ASSIGNED TO: U. D. Douglas	(14) DUE DATE: 10/16/79	(15) CORRECTIVE ACTION REQUEST: CAR NO. <input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required	(16) ASME CODE ITEM <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	----------------------------	---	--

(17) DISPOSITION: REWORK _____ REPAIR _____ USE AS IS _____ SCRAP _____
Return to Vendor ☒

Due to straining process, not eliminating the black foreign particles in the base, the carbozinc 11, base #9H-5381-M, has been returned to the vendor. Replacement material has been arranged.

FOR INFORMATION ONLY

(18) CONSTRUCTION REVIEW/APPROVAL: <i>Robert McNeil</i>	(19) DATE: 10/17/79	(20) QA REVIEW APPROVAL: <i>Harry D. Williams</i>	(21) DATE: 10/17/79
(22) ENG. REVIEW/APPROVAL: <i>R.B. Williams</i>	(23) DATE: 10/17/79	(24) ARI REVIEW APPROVAL: N/A CH	(25) DATE: 10/17/79

(26) VERIFICATION: <input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory <input type="checkbox"/> Not Req'd	(28) DATE: 10/17/79
(27) QA QC/ENGR/INSP. VERIFICATION: <i>Harry D. Williams</i>	(30) DATE: 10/17/79
(29) ARI CONCURRENCE N/A CH	(32) DATE: 10/17/79
(31) QA REVIEW/CLOSURE: <i>Clara Halliday</i>	(33) DATE: 10/17/79

(33) REMARKS:

QA RECORD

RTN.	QA REVIEW
L	CH 10-17-79
FILE NO.	15.1
SUBFILE NO.	C-1729R1

Brown & Root, Inc.

P. O. BOX 1001

GLEN ROSE, TEXAS 76043

SHIPPING RECORD

No. S/R # 79/1920

To: CAROLINE

Date Oct. 11, 1979

WEST ARKLEY HILL RD.

Job No. 35-1195

VENIA, OHIO

Reference:

P.O. #157995 C/O 18

RGA#9-813-01MR

The Following Shipped To You Today Via:

CENTRAL

COLLECT

☐ For Credit ☐ For Repair ☐ Rental Return ☒ BASE MATERIAL NOT CURING

Ques.	Unit	Description
195	UNITS	BASE BATCH #9F-5369-M
39	UNITS	BASE BATCH #9A-538T-M
1	UNIT	EMPTY CONTAINER - BATCH #9E-5369-M
		TOTAL UNITS 1165GALS
		COUNT VERIFIED BY PAINT DEPT. & MHSE. PERSONNEL
		RGA#9-813-01MR **
		NOTE: PLEASE REF. TO S/R # ABOVE

Remarks: PER: GORDON MACPHAIL

FOR INFORMATION ONLY

7 pallets, 100 gal containing above material

Received By:

By:

Glen York

carboline

351 - HILL - INDUSTRIAL CT. ST LOUIS, MO 63144

RETURN GOODS AUTHORIZATION

NCR C-1729R1
Pg. 3 of 3

Customer Brown & Root, Inc.
P.O. Box 1001
Glenrose, TX 76043
Gordon McPhail

Date 10/10/79

Tag No. 9-813-01MR

Reference Purchase Order 35-1195-15795
Change 18

Expiration Date 11/10/79

Via _____

Mark B/L Copy With RGA Tag Number

Ship To Carboline Co.
West Ankeney Mill Rd.
Xenia, OH

Prepaid ☐

Collect ☒

Orig. Shipment 9/21/79, 9/26/79
Inv. Nos. 1-92480, 1-96838

Restocking Charge 0

Serial

Item	Quantity	Description	Packing
1	232 units	CE-11 CE-11 Gray 33 lbs. each Batch #9F5369M (194) Batch #9H5381M (38)	(5 gal. pail)

Remarks

Credit to be applied against current account balance or future purchase only.

FOR INFORMATION ONLY

PLEASE FORWARD SHIPPING INFORMATION TO THE ST. LOUIS OFFICE IMMEDIATELY UPON RETURN OF THE MATERIAL TO FACILITATE HANDLING.

CUSTOMER



A RECORD

Brown & Root, Inc.
QUALITY ASSURANCE DEPARTMENT
NONCONFORMANCE REPORT (NCR)

(11) NCR No. C-1729

PROJECT CPSES JOB NO. 35-1195 PAGE 1 OF 1

(2) UNIT	STRUCTURE/SYSTEM	Item/Component	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
JOB/35-1195		Carbo Zinc 11 Base	9H-5381 M Batch No.	Paint "Q" Storage	N/A

(3) NONCONFORMING CONDITION

DOCUMENT VIOLATED: 2323AS31

REV 1

PARA 6.6A

(4) TREND CATEGORY

C-11

Q1-QP 11.4-2

Carbo-Zinc 11 base-batch 9H5381M was noted for containing what is believed to be "Grease" particles and/or foreign contaminants.

Discrepant Qty-300 gal./5 gal containers.

* 1 Each Hold Tag Applied.

(5) REPORTED BY:	(6) DATE	(9) REVIEW/APPROVAL	(10) DATE
R. Hamilton	10 / 2 / 79	<i>Sam Williams</i>	10 / 2 / 79
(7) PREPARED BY:	(8) DATE	(11) ISSUED BY:	(12) DATE
R. Hamilton	10 / 2 / 79	<i>Clay H. Hiday</i>	10 / 2 / 79

(13) DISPOSITION ASSIGNED TO:	(14) DUE DATE:	(15) CORRECTIVE ACTION REQUEST: CAR NO.	(16) ASME CODE ITEM
U. D. Douglas	10 / 16 / 79	<input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

(17) DISPOSITION: Rework _____ Repair _____ Use as is ☒ Scrap _____

Carbolines carbozinc 11, base No. 9H-5381M shall remain "Q" material but shall be strained prior to mixing of the base by suitable means in order to eliminate all foreign particles or visible contamination per Carbolines approval. (See telex no. 47912, Oct. 1, 1979)

SEE CPPA-3049 (ATTACHED)

(18) CONSTRUCTION REVIEW/APPROVAL	(19) DATE	(20) QA/QC REVIEW APPROVAL	(21) DATE
<i>Robert MacFarland</i>	10/2/79	<i>Sam Williams</i>	10/2/79
(22) ENG. REVIEW/APPROVAL	(23) DATE	(24) AMT REVIEW APPROVAL	(25) DATE
<i>Sam Williams</i>	10/2/79	N/A CH	10/2/79

(26) VERIFICATION: ☒ Satisfactory ☐ Unsatisfactory ☐ Not Req'd

(27) QA/QC ENGR/INSPECTION VERIFICATION: (28) DATE: / /

(29) AMT CONCURRENCE (30) DATE: / /

(31) QA REVIEW/CLOSURE (32) DATE: / /

(33) REMARKS:

FOR INFORMATION ONLY

P
TUGCO GRSE

WU INFOMASTER 1-035927N274 10/01/79
TLX CARBOLIN STL C
TLX 47912 ST LOUIS MISSOURI
TWX 9108908660 TUGCO GRSE
ATT MR GORDON MACPHAIL
BROWN AND ROOT

TLX 47912 10/1/79 4:45
X 47912 10/1/79 4:45
MR GORDON MACPHAIL
BROWN AND ROOT
COMMANCHE PEAK STATION

PER OUR CONVERSATION OF OCTOBER 1, 1979 YOU REPORTED SOME
"LITTLE BLACK PARTICLES" FLOATING ON TOP OF CZ11: BATCH NUMBER
9H5381M WHILE IT IS NOT DETERMINED THAT THE FOLLOWING IS
NECESSARY IT IS ACCEPTABLE TO US TO DO THE FOLLOWING
THE LIQUID MAY BE PASSED THROUGH A CHEEZE CLOTH AND POURED
BACK INTO THE CONTAINER TO REMOVE THE SMALL AMOUNT OF PARTICLES
THE ZINC THEN IS MIXED AS NORMALLY DONE
I TRUST THIS IS HELPFUL

REGARDS
MIKE TELLOR

TLX 49XXXXX47912

1708 EST

TUGCO GRSE

FOR INFORMATION ONLY

Arma
g m
R B W
file

Received
10-2-79
7:30
gg

Gibbs & Hill, Inc.

Interoffice Memorandum

CPPA - 3049

TO: J. T. Merritt, Jr.
FROM: R. E. Heim
SUBJECT: NCR-C-1729

DATE: October 2, 1979
JOB NO: _____
REF. NO: _____

COMANCHE PEAK STEAM ELECTRIC STATION
1981-83 2300 MW INSTALLATION
NCR-C-1729

By copy of this letter we are advising Brown & Root that the "Use As Is" disposition on the subject NCR-C-1729 is acceptable.

REH
REH/RBW/DRH/dt
cc: ARMS

R. E. Heim
R. E. Heim
Resident Engineer

FOR INFORMATION ONLY

UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
1	Reactor Containment Bldg.	Refer to Attachments	Refer to Attachments	Refer to Attachments	N/A

NONCONFORMING CONDITION

Appendix B, criterion VIII identification and control of materials, parts and components states "...these measures shall assure that identification of the item is maintained by heat number, part number, serial number, or other appropriate means, either on the item or on records traceable to the item, as required throughout fabrication, erection, installation, and use of the item."

Safety related coating materials are transported throughout the Reactor Containment Building by painters without any identification on the paint bucket. Traceability of the material is lost, unless the Q.C. inspector escorts the material. To the site of application.

Q.C. inspector C. Allen did not verify mix information due to loss, of traceability of coating materials on IR's, PC 107506, 107587, 107508, 107590, 107577, 107582, 107746, 107743, 107649, 107648, 107650, 107755.

REFERENCE DOCUMENT: 10CFR, PART 50, Criterion VIII. REV N/A PARA N/A

REPORTED BY: Cory Allen DATE: 10/27/83

QE REVIEW/APPROVAL: *[Signature]* DATE: 11/7/83
ACTION ADDRESSEE Kissinger DEPARTMENT Civil EngineeringDISPOSITION: REWORK _____ REPAIR _____ USE AS IS XXX SCRAP _____

Material used met requirements of site procedure for mix records. Other area inspection reports confirm proper mix and pot life.

Craft and Q.C. to have reached agreement on method of documenting small portions of batch mixes.

ARMS
INDEXED

DATE:

RTN.	QA REVIEW
<i>[Signature]</i>	
FILE NO.	
SUBFILE NO.	

ENG. REVIEW APPROVAL: *[Signature]* DATE: 11/9/83QE REVIEW APPROVAL: *[Signature]* DATE: 11/12/83DISPOSITION VERIFICATION & CLOSURE: *[Signature]* DATE: 11/12/83

COMMENTS:

UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
1	REACTOR CONTAINMENT BUILDING	Refer To Attachments	Refer To Attachments	Refer To ATTACHMENTS	N/A

NONCONFORMING CONDITION APPENDIX I, CRITERION VIII IDENTIFICATION AND CONTROL OF MATERIALS, PARTS, AND COMPONENTS - STATES "... THESE MEASURES SHALL ASSURE THAT IDENTIFICATION OF THE ITEM IS MAINTAINED BY HEAT NUMBER, PART NUMBER, SERIAL NUMBER, OR OTHER APPROPRIATE MEANS, EITHER ON THE ITEM OR ON RECORDS TRACEABLE TO THE ITEM, AS REQUIRED THROUGHOUT FABRICATION, ERECTION, INSTALLATION, AND USE OF THE ITEM."

SAFETY RELATED COATING MATERIALS ARE TRANSPORTED THROUGHOUT THE REACTOR CONTAINMENT BUILDING BY PAINTERS WITHOUT ANY IDENTIFICATION ON THE PAINT BUCKET. TRACEABILITY OF THE MATERIAL IS LOST, UNLESS THE QC INSPECTOR ESCORTS THE MATERIAL TO THE SITE OF APPLICATION.

INSPECTOR P. ALLEN DID NOT VERIFY MIX INFORMATION DUE TO LOSS OF TRACEABILITY OF COATING MATERIALS ON 107506, 107587, 107508, 107590, 107496, 107577, 107572, 107582, 107581, 107746, 107743, 107649, 107648, 107650, 107755. 11-7-83

REFERENCE DOCUMENT: IOCER, PART 50, CRITERION VIII

REV

N/A

PARA

N/A

REPORTED BY: P.C. ALLEN

DATE:

10 / 27 / 83

QE REVIEW/APPROVAL:

K. WOLVERTON

DATE:

11 / 7 / 83

ACTION ADDRESSEE

KISSINGER

DEPARTMENT

CIVIL ENG.

DISPOSITION:

REWORK

REPAIR

USE AS IS

SCRAP

For Engineering evaluation; Mixes are presently being assigned as follows: 1 MIX/BATCH per Foreman and each Division of mix to be tagged for identification purposes. This will provide greater ease for the inspector in verification purposes. Mix verification was ¹¹⁻⁷⁻⁸³ identified by other inspectors and documented on other inspection reports in all but six (6) cases. For PC 107506 refer to PC 107512, for PC 107508, refer to PC 107496, for PC 107590, refer to PC 107586, for PC 107582, refer to PC 107512, for PC 107746, refer to PC 107725, for PC 107743, refer to PC 107725. 11-7-83

ENG. REVIEW/APPROVAL

DATE:

/ /

QE REVIEW APPROVAL:

DATE:

/ /

DISPOSITION VERIFICATION & CLOSURE:

DATE:

/ /

COMMENTS:

FOR INFORMATION ONLY

Disposition NCR C-83-02938

close as is

Material used met requirements of site procedure for mix records. Check ~~have~~ inspection reports confirm proper mix and pot life.

Craft and QC to ~~have~~ ^{have} reached agreement on method of documenting small portions of batch mixes.

CRHooton

11-8-83

W. Krueh
11/9/83

FOR INFORMATION ONLY

NCR C-83-0293, Attachment 1

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC107506

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. SEE REMARKS		SYSTEM/STRUCTURE DESIGNATION RCB UNIT NO.1, AREA 40	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 24		MEASURE OR TEST EQUIP. DENT. NO. 2703 DUE 12/9/83 2574 DUE 1/12/84 2615 DUE 11/11/83 1473	

<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 CAA 10/27/83		QC INSPECTOR Cory Allen		DATE 10/19/83	
<input type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY					
<input checked="" type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW					

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT (FINISH COAT)				
	ORIGINAL (REPAIR)				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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 CARBOLINE 191	✓			
3.	PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d CARBOLINE 191	✓			
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: 10/19/83 TIME: 1:15AM W.B. N/A D.B. 86°F S.T. 86°F D.P. 70°F R.H. 60%	✓			
	(CONTINUED ON SHEET 2 of 2)				

REMARKS (DWGS, SPECS, ETC.) SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED NCR NO. N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
------------------------	-----------------	-------------	------------------	--------------

Q1-QP-11.4-5, R. 24

(SUPPLEMENTAL)

NO. PC107506

FOR INFORMATION ONLY

**CAN NOT VERIFY MIX TIME DUE TO UNCONTROLLED HANDLING OF COATING MATERIAL BY PAINT DEPT.

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

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC107587

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. 2 SEE REMARKS		SYSTEM/STRUCTURE DESIGNATION 1 RCB UNIT NO.1 AREA 40	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 24	MEASURE OR TEST EQUIP. IDENT. NO. 2754 DUE 12/1/83 2739 DUE 11/11/83 2616 DUE 7/13/83 2307 DUE 1/13/84		
<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
CAA 10/27/83☒ INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY☒ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Cory Allen

10/19/83

QC INSPECTOR
CORY ALLEN

DATE

10

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	FINISH COAT				
	ORIGINAL				
	REPAIR				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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 NICKEL TEST	✓			
3.	PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d CZ-11	✓			
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") CZ-11	✓			
5.	PERFORM VISUAL INSPECTIONS OF PREVIOUSLY COATED SURFACE PER PARA. 3.3.3 PHENOLINE 305	✓			
6.	VERIFY SURFACE PREPARATION ACCEPTABLE PER CCP30 OR CCP30A	✓			
7.	AMBIENT CONDITIONS CHECKED PER PARA. 3.3.2 PRIOR TO COATING APPLICATION RECORD:	✓			
	DATE: 10/19/83 TIME: 11:30PM W.B. N/A	✓			
	D.B. 86°F S.T. 86°F D.P. 72°F R.H. 64%	✓			
	(CONTINUED ON SHEET 2 OF 2)				

REMARKS (DWGS, SPECS, ETC.) SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED NCR NO. N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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QI-QP-11.4-5, R. 24

Sheet 2 of 2

NO. PC107587

FOR INFORMATION ONLY

FINISH COAT BRUSH APPLICATION OVER ENTIRE ITEM, INCLUDING ISOLATED SPOTS OF EXPOSED CARBO ZINC II PRIMER.

REQUIRED -- 3.2 MILS DETERMINED WITH

** CAN NOT VERIFY MIX TIME DUE TO UNCONTROLLED HANDLING OF COATING MATERIAL BY PAINT DEPT.

I.R. CLOSED

27A

DATE 2 / A

SIGNATURES

	N/A
--	-----

QC INSPECTOR

NCR C-83-02938, Attachment 3

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC107508

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. SEE REMARKS		SYSTEM/STRUCTURE DESIGNATION RCB UNIT NO.1 AREA 40	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 24		MEASURE OR TEST EQUIP. QEN. NO. 2703 DUE 12/9/83 2574 DUE 1/12/83 2615 DUE 11/11/83 2616 DUE 7/13/84	

<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
GAA 10/21/83

☒ INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

Cory Allen

10/19/83

☒ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

QC INSPECTOR
CORY ALLEN

DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	ORIGINAL				
	FINISH COAT				
	REPAIR				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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 CARBOLINE 3051	✓			
3.	PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d CARBOLINE 3051 191	✓			
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: 10/19/83 TIME: 1:15 AM W.B. N/A D.B. 86°F S.T. 86°F D.P. 70°F R.H. 60%	✓			
	(CONTINUED ON SHEET 2 OF 2)				

REMARKS (DWGS, SPECS, ETC.)

SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED NCR NO. N/A	I.R. CLOSED N <input checked="" type="checkbox"/> A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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(SUPPLEMENTAL)

Sheet 2 of 2

NO. PC107508

FOR INFORMATION ONLY

BRUSH APPLICATION OF PHENOLINE 305 OVER ENTIRE CONDUIT SUPPORT, INCLUDING ISOLATED SPOTS OF CARBOLINE 191 OVER CARBO ZINC II. LESS THAN 1 FT² OF EXPOSED PRIMER. (1) DFT SPOT MEASUREMENT REQUIRED. — 5.0 MILS DETERMINED WITH CALIBRATED "INSPECTOR" ELCOMETER D.F.T. GAUGE.

* * MIX TIME CAN NOT BE VERIFIED DUE TO UNCONTROLLED HANDLING OF COATING MATERIALS BY PAINT DEPT.

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

NCR C-53-02938

Attachment 4

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2
NO. 107598
PC-105790

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. 2. SEE REMARKS		SYSTEM/STRUCTURE DESIGNATION RCB UNIT NO.1 AREA 40	
EC.NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 25	MEASURE OR TEST EQUIP. IDENT. NO. 2761 DUE 12/12/83 1616 DUE 7/13/84 2307 DUE 1/13/84 2754 DUE 12/11/83		

<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
C.A. 10/21/83☒ INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

Cory Allen

10/20/83

☒ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOWQC INSPECTOR
CORY ALLEN

DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	FINISH COAT				
	ORIGINAL				
	REPAIR				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & ID NO.'s: (FOR MULTIPLE ITEMS INDICATE IN "REMARKS WITH CORRESPONDING DFT READINGS FROM ITEM #3 ABOVE.) PER PARA. 3.1.1.a NO ID NO.'s, ONLY LOCATIONS RECORDED	N/A			
2.	VERIFY PRIMER CURE PER PARA. 3.1.1.c CCP-30-M-9	✓			
3.	PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d CARBOLINE 91	✓			
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") CARBOLINE 191	✓			
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: 10/20/83 TIME: 8:00PM W.B. N/A	✓			
	D.B. 85°F S.T. 85°F D.P. 63°F R.H. 50%	✓			
	(CONTINUED ON SHEET 2 of 2)				

REMARKS (OWGS, SPECS, ETC.) SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED NCR NO.
N/A

I.R. CLOSED

N/A

DATE

N/A

SIGNATURE

N/A

QC INSPECTOR

Sheet 2 of 2

NO. PC107590

FOR INFORMATION ONLY

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC107577

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. SEE REMARKS		SYSTEM/STRUCTURE DESIGNATION RCB UNIT NO. 1, AREA 39	
EC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 24		MEASURE OR TEST EQUIP. IDENT. NO. 2754 DUE 12/1/83 7616 DUE 7/13/83	

☐ 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

Cory Allen
 QC INSPECTOR
 CORY ALLEN

10/19/83

DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	ORIGINAL				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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	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: 10/19/83 TIME: 9:00PM W.B. N/A	✓			
	D.B. 85°F S.T. 85°F D.P. 70°F R.H. 63%	✓			
	(CONTINUED ON SHEET 2 of 2)				

REMARKS (DWGS, SPECS, ETC.)

SEE SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED QCR NO.
N/A

I.R. CLOSED N/A

DATE
N/ASIGNATURE
QC INSPECTOR

QI-QP-11.4-5, R. 24

Sheet 2 of 2

NO. 107577

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

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

Attachment 6

SHEET 1 OF 2

NO. PC107582

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. 2 SEE REMARKS		SYSTEM/STRUCTURE DESIGNATION RCB UNIT NO. 1, AREA 40	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 24	MEASURE OR TEST EQUIP. IDENT. NO. 2754 DUE 12/1/83 71616 DUE 7/13/84		
<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
CAA 10/27/83☐ INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY☒ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Cory Allen

10/19/83

QC INSPECTOR

DATE

CORY ALLEN

10

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	ORIGINAL				
	FINISH COAT				
	REPAIR				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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	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: 10/19/83 TIME: 11:00PM W.B. N/A	✓			
	D.B. 85°F S.T. 85°F D.P. 70°F R.H. 63%	✓			
	(CONTINUED ON SHEET 2 OF 2)				

REMARKS (DWGS, SPECS, ETC.) SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED NCR, VC N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

QI-QP-11.4-5, R. 24

(SUPPLEMENTAL)

Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1

NO. PC107582

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	Q.C. SIGNATURE
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: L. LOPEZ	✓			
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 CCP-30 OR CCP-30A AND PARA. 3.3.5.4	✓			
13.	COATING MATERIAL PRODUCT IDENTIFICATION: PHEOLINE 305 RECORD BATCH NUMBERS: COLOR : 0800 PART A: 3H2333M PART B: 3G2121M THINNER: 3H2119M TIME MIXED: 6:08PM DATE: 10/19/83	✓	✓		
14.	VERIFY POT LIFE AS STATED IN CCP-30 AND CCP-30A IS NOT EX- CEEDED PER PARA. 3.3.5.3	✓	✓		
		CAA			
		10/21/83			

FOR INFORMATION ONLY

REMARKS: (DWGS, SPECS, ETC.) CABLE TRAY HANGER NO. 12077

LOCATED @ : AZ 184°-30, ELEV. 902'

BRUSH TOUCHUP OF SMALL DISCONTINUITIES (MINOR DEFECTS)
PER PARA. 3.7.5.B DURING FINISH COAT ACCEPTANCE
INSPECTION, REFERENCE IR PC107582.
NO D.F.T. SPOT MEASUREMENTS REQUIRED. (ITEM 4).

**CAN NOT VERIFY MIX TIME DUE TO UNCONTROLLED HANDLING
OF COATING MATERIALS BY PAINT DEPT.

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

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC107746

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. 2 SEE REMARKS		SYSTEM / STRUCTURE DESIGNATION 3 RCB UNIT NO.1 AREA 39	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. 6 QI-QP-11.4-5 Rev. 25		MEASURE OR TEST EQUIP. IDENT. NO. 2754 DUE 12/1/83 3589 DUE 3/9/84 71616 DUE 7/1/84	

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

INSPECTION RESULTS

☒ INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

Cory Allen

10/21/83

☒ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

QC INSPECTOR
CORY ALLEN

DATE

10

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	FINISH COAT				
	ORIGINAL				
	REPAIR				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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	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: 10/21/83 TIME: 9:00 PM W.B. N/A D.B. 83°F S.T. 83°F D.P. 54°F R.H. 38%	✓			
	(CONTINUED ON SHEET 2 of 2)				

REMARKS (DWGS, SPECS, ETC.) SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED NCR NO. N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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(SUPPLEMENTAL)

FOR FULL HEADINGS, SEE SHEET 1

NO. PC107746

FOR INFORMATION ONLY

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

Attachment 8

SHEET 1 OF 2

NO. PC109743

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. SEE REMARKS		SYSTEM / STRUCTURE DESIGNATION RCB UNIT NO. 1 AREA 40	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 25		MEASURE OR TEST EQUIP. IDENT. NO. 7254 DUE 12/1/83 3054 DUE 3/8/84	

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

INSPECTION RESULTS
CAA 11-183☒ INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

Cory Allen

10/21/83

☒ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

QC INSPECTOR

DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	ORIGINAL				
	FINISH COAT				
	REPAIR				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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	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 PHENOLIC 305	✓			
6.	VERIFY SURFACE PREPARATION ACCEPTABLE PER CCP30 OR CCP30A	✓			
7.	AMBIENT CONDITIONS CHECKED PER PARA. 3.3.2 PRIOR TO COATING APPLICATION RECORD:	✓			
	DATE: 10/21/83 TIME: 8:00PM W.B. N/A	✓			
	D.B. 83°F S.T. 83°F D.P. 54°F R.H. 38%	✓			
(CONTINUED ON SHEET 2 OF 2)					

REMARKS (DWGS, SPECS, ETC.) SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED NCR NO. N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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(SUPPLEMENTAL)

Sheet 2 of 2

NO. PC107743

FOR INFORMATION ONLY

RELATED NCR NO N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A QC INSPECTOR
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INSPECTION REPORT

SHEET 1 OF 2

NO. PC107649

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. 2 SEE REMARKS		SYSTEM/STRUCTURE DESIGNATION RCB UNIT NO. 1, AREA 40	
EC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 25		MEASURE OR TEST EQUIP. IDENT. NO. 2754 DUE 12/1/83 1616 DUE 7/13/84	

<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
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INSPECTION RESULTS CAA 11.11.83		QC INSPECTOR Cory Allen		DATE 10/20/83	
<input checked="" type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY					
<input checked="" type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW					

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	ORIGINAL				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & ID NO.'s: (FOR MULTIPLE ITEMS INDICATE IN "REMARKS WITH CORRESPONDING DFT READINGS FROM ITEM #3 ABOVE.) PER PARA. 3.1.1.a NO ID NUMBER, ONLY LOCATION RECORDED	N/A			
2.	VERIFY PRIMER CURE PER PARA. 3.1.1.c CARBOLINE 191				
3.	PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d CARBOLINE 191				
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: 10/20/83 TIME: 8:00PM W.B. N/A D.B. 85°F S.T. 85°F D.P. 63°F R.H. 50%				
(CONTINUED ON SHEET 2 OF 2)					

REMARKS (DWGS, SPECS, ETC.) SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

TED NCR NO. N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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QI-QP-11.4-5, R. 25

Sheet 2 of 2

NO. PC107649

FOR INFORMATION ONLY

REMARKS: (DWGS, SPECS, ETC.) CONDUIT SUPPORT, NO IDENTIFICATION NUMBER
LOCATED @: AZ 270°; ELEV. 903' SECOND CONDUIT
SUPPORT FROM JUNCTION BOX JBIC4-12 (TERMINATION POINT)
BRUSH APPLICATION OF PHENOLINE 305 OVER ENTIRE HANGER
INCLUDING SEVERAL SPOTS OF EXPOSED CARBOLINE 191
PRIMER, WHICH OVERLAPPED ONTO 305 TOPCOAT, AS
ALLOWED BY CCP-30, PARA. 4.4.3.0. NO DFT
SPOT MEASUREMENTS REQUIRED DUE TO AREAS
LOCATED ON CURVED SURFACES AND ON EDGES.

REL. TO VCR NO. N/A I.R. CLOSED N/A DATE N/A SIGNATURE N/A
DO INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC107648

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. 2. SEE REMARKS		SYSTEM/STRUCTURE DESIGNATION RCB UNIT NO. 1 AREA 40	
SEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 25		MEASURE OR TEST EQUIP. IDENT. NO. 2761 DUE 12/12/83 1616 DUE 7/13/84 2307 DUE 1/13/84 2754 DUE 12/11/83	

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

INSR. RESULTS

☒ INSPECTION COMPLETED, ALL APPL. CABLE ITEMS SATISFACTORY
 CAA 11/1/83

☒ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

Cory Allen 10/20/83
 QC INSPECTOR DATE
 CORY ALLEN

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	ORIGINAL				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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 CCP-30-M9	✓			
3.	PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d CARBONE 191	✓			
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") CARBONE 191	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: 10/20/83 TIME: 8:00PM W.B. N/A D.B. 85°F S.T. 85°F D.P. 63°F R.H. 50%	✓			
	(CONTINUED ON SHEET 2 OF 2)				

REMARKS (DWGS, SPECS, ETC.) SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED MCR NO. N/A	I.R. CLOSED	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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Q1-QP-11.4-5, R.25

Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1

NO. PC107648

[illegible]

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC107650

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. 2. SEE REMARKS		SYSTEM/STRUCTURE DESIGNATION 3. RCB UNIT NO. 1, AREA 40	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 25		MEASURE OR TEST EQUIP. IDENT. NO. 27540UE 12/1/83	
				6/6 DUE 7/13/84	

<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
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INSPECTION RESULTS

CAA 11/18/83

☒ INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

Cory Allen

10/20/83

☒ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

QC INSPECTOR

DATE

CORY ALLEN

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	FINISH COAT				
	ORIGINAL				
	REPAIR				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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	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: 10/20/83 TIME: 8:00PM W.B. N/A	✓			
	D.B. 85°F S.T. 85°F D.P. 63°F R.H. 50%	✓			
	(CONTINUED ON SHEET 2 OF 2)				

REMARKS (DWGS, SPECS, ETC.) SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED NCR NO. N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

QI-QP-11.4-5, R. 24
Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1

NO. PC107650

ITEM NO.	INSPECTION ATTRIBUTES	SAF	UNSAF	DATE	Q.C. SIGNATURE
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: D. WILLIAMS				
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 CCP-30 OR CCP-30A AND PARA. 3.3.5.4	✓			
13.	COATING MATERIAL PRODUCT IDENTIFICATION: PHENOLINE 305 RECORD BATCH NUMBERS: COLOR 4312 PART A: 3D1197M PART B: 3D1195M THINNER: 3H2119M TIME MIXED: 6:14 PM DATE: 10/20/83 **	✓	✓		
14.	VERIFY POT LIFE AS STATED IN CCP-30 AND CCP-30A IS NOT EX- CEEDED PER PARA. 3.3.5.3 **	✓	✓		
<p>FOR INFORMATIONAL ONLY</p>					
<p>** CAN NOT VERIFY MIX TIME DUE TO UNCONTROLLED HANDLING OF COATING MATERIALS BY PAINT DEPT.</p>					

REMARKS: (DWGS, SPECS, ETC.) CONDUIT SUPPORT, ITEM NO. C13019930-7

LOCATED @: AZ 263°, ELEV. 886' ON THE
WALL OF THE ELEVATOR SHAFT

BRUSH APPLICATION OF PHENOLINE 305 TOPCOAT
OVER MINOR DEFECTS. NO EXPOSED PRIMER,
D.F.T. SPOT READINGS N/A.

RELATED NCR NO.

I.R. CLOSED ☐

DATE

SIGNATURE

QC INSPECTOR

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2
NO. PC107755

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. SEE REMARKS		SYSTEM / STRUCTURE DESIGNATION RCB UNIT NO. 1 AREA 39	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 25		MEASURE OR TEST EQUIP. IDENT. NO. 2754 DUE 12/1/83 1616 DUE 7/13/84	

☐ 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 BELOWQC INSPECTOR
CORY ALLEN

10/21/83

DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	ORIGINAL				
	FINISH COAT				
	REPAIR				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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 NICKEL TEST	✓			
3.	PERFORM VISUAL INSPECTION OF PRIMED SURFACE PER PARA. 3.1.1.d CARBO ZINC II	✓			
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") CARBO-ZINC II	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: 10/21/83 TIME: 9:00PM W.B. N/A D.B. 85°F S.T. 85°F D.P. 54°F R.H. 36%	✓			
	(CONTINUED ON SHEET 2 of 2)				

REMARKS (DWGS, SPECS, ETC.) SEE REMARKS ON SHEET 2 OF 2

FOR INFORMATION ONLY

RELATED NCR NO.
N/A

I.R. CLOSED

N/A

DATE
N/A

SIGNATURE

N/A

QC INSPECTOR

QI-QP-11.4-5, R. 25

Sheet 2 of 2

NO. PC107755

$$\frac{2AA}{r|15}$$

FOR INFORMATION ONLY

BECAUSE PRIMER AREAS LOCATED ON CURVED SURFACES OF
SNUBBER.

RELATED NCR NO N/A	I.R. CLOSED <input checked="" type="checkbox"/> A	DATE N/A	SIGNATURE N/A QC INSPECTOR
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Attachment 13

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

SHEET 1 OF 2

NO. PC104512

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. & SEE 2 Pipe Hangers Remarks		SYSTEM/STRUCTURE DESIGNATION RCB-1 Area Code 43	
SPEC. NO. AS-31	REV. 5	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 24		MEASURE OR TEST EQUIP. IDENT. NO. 1971 2788 1433	

☐ 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

L. Adams 10/19/83
QC INSPECTOR DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	FINISH COAT	✓			
	ORIGINAL				
	REPAIR	✓			
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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	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:	✓			
FOR INFORMATION ONLY					
DATE: 10/19/83 TIME: 1:00 AM W.B. 75°					
D.B. 85' S.T. 87' D.P. 71' R.H. 63%					

ARMS INDEXED

PERM. PLT. RECORD
FILE LOG 17.1.993
SURFILE LOG

300/PC

(CONTINUED ON SHEET 2 of 2)

REMARKS (DWGS, SPECS, ETC.) Finish coat repair as per para 3.7.5 to pipe hangers (Ref PC104511)
1) CT-1-090-007-C92R 2) CT-1-090-006-C92R 3) CT-1-090-005-C92R
CT-1-045-008-C92R CT-1-094-008-C92R CT-1-094-007-C92R
AZ 193° El. 1063' AZ 217° El. 1063' AZ 239° El. 1063'

CONT'D

RELATED NCR NO. N/A	I.R. CLOSED N/A	DATE 11/1	SIGNATURE N/A	QC INSPECTOR
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QI-QP-11.4-5, R. 24

Sheet 2 of 2

NO. PC 107512

FOR FULL HEADINGS, SEE SHEET 1.		NO. PC 107512	
ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: R. Pouges J. Dlouhky S.T. Moreno.	✓	
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 CCP-30 OR CCP-30A AND PARA. 3.3.5.	✓	
13.	COATING MATERIAL PRODUCT IDENTIFICATION: Phen 305 RECORD BATCH NUMBERS: 0800 PART A: 3H2333m PART B: 3H2121m THINNER: 3H2119m TIME MIXED: 12:45 Am DATE: 10/19/83	✓	
14.	VERIFY POT LIFE AS STATED IN CCP-30 AND CCP-30A IS NOT EXCEEDED PER PARA. 3.3.5.3	✓	

REMARKS: (DWGS, SPECS, ETC.) * Cont'd

Δ) CT-1-091-013-C92R
CT-1-095-021-C92R
Az 234° E 1057'

5) CT-1-091-014-C92R
CT-1-095-022-C92R
A2 227' E. 1057'

④ m&T calibration due dates:

ME 1433-11/11/83

ME TE 2788-4/17/84

NOTE 1971 - 1/10/89

FOR INFORMATION ONLY

RELATED NCR NO. N/A	IS	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	INSPECTOR
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COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC107496

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. * CONDUIT HANGERS		SYSTEM/STRUCTURE DESIGNATION RCB-1 AREA CODE 39	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 24	MEASURE OR TEST EQUIP. IDENT. NO. ** SEE REMARKS		

<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
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INSR. RESULTS

<input checked="" type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY
<input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

QC INSPECTOR

DATE

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	FINISH COAT ✓				
	ORIGINAL				
	REPAIR ✓				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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 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: 10-19-83 TIME: 12:00 AM W.B. 77°				
	D.B. 87° S.T. 86° D.P. 73° R.H. 64%				
(CONTINUED ON SHEET 2 of 2)					

ARMS
INDEXED

DATE

PERM. PLT. RECORD

DATE	TIME	LOC.	300/PC #
10-19-83	17:18		300/PC

REMARKS (DWGS, SPECS, ETC.) N/A

FOR INFORMATION ONLY

RELATED NCR NO. N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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0

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

QI-QP-11.4-5, R. 24
Sheet 2 of 2

(SUPPLEMENTAL)

FOR FULL HEADINGS, SEE SHEET 1

NO. PC107496

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: <i>R. Nixon</i>	✓			
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 CCP-30 OR CCP-30A AND PARA. 3.3.5.	✓			
13.	COATING MATERIAL PRODUCT IDENTIFICATION: <i>PHENOLINE 30.5</i> RECORD BATCH NUMBERS: <i>COLOR # 4312</i> PART A: <i>3D1197M</i> PART B: <i>3D1195M</i> THINNER: <i>3H2119M</i> TIME MIXED: <i>12:25 AM</i> DATE: <i>10-19-83</i>	✓			
14.	VERIFY POT LIFE AS STATED IN CCP-30 AND CCP-30A IS NOT EX- CEEDED PER PARA. 3.3.5.3	✓			
**	MTS DUE				
	✓ 1422 2-20-84				
	✓ 2642 11-24-83				
	✓ 2761 12-12-83				
	✓ 2307 1-13-84				
	✓ 1433 11-11-83				

REMARKS: (DWGS, SPECS, ETC.) * FINISH COAT REPAIR TO 5 CONDUIT HANGERS:

			MIN.	MAX.	AVG.
C12G14350-6	EL. 903'	AZ. 303°	2.5	4.0	3.5
C12G14350-7	EL. 903'	AZ. 301°	2.5	3.5	3.2
C12G14350-8	EL. 903'	AZ. 300°	3.5	4.0	3.8
C14G14351-4	EL. 903'	AZ. 301°	4.0	5.0	4.5
C14G14351-5	EL. 903'	AZ. 300°	2.5	5.0	3.8

FOR INFORMATION ONLY

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

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC107586

ITEM DESCRIPTION PROTECTIVE COATINGS		IDENTIFICATION NO. * CONDUIT HANGERS		SYSTEM / STRUCTURE DESIGNATION RCB-1 AREA CODE 39	
SPEC. NO. AS-31	REV. 1	REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 25		MEASURE OR TEST EQUIP. IDENT. NO. ** SEE REMARKS	

☐ 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

DATE

10-20-83

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	QC SIGNATURE
	SEAL COAT				
	FINISH COAT ✓				
	ORIGINAL				
	REPAIR ✓				
1.	RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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	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 CCP30.09 CCP30A	✓			
7.	AMBIENT CONDITIONS CHECKED PER PARA. 3.3.2 PRIOR TO COATING APPLICATION RECORD: DATE: 10-20-83 TIME: 1:35 AM W.B. 74° D.B. 82° S.T. 8.3° D.P. 71° R.H. 69%	✓			
(CONTINUED ON SHEET 2 of 2)					

REMARKS (DWGS, SPECS, ETC.) N/A

FOR INFORMATION ONLY

RELATED NCR NO. N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

QI-QP-11.4-5, R. 25
Sheet 2 of 2

FOR FULL HEADINGS, SEE SHEET 1

NO. PC107586

ITEM NO.	INSPECTION ATTRIBUTES	SAT.	UNSAT.	DATE	Q.C. SIGNATURE
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: R. Nixon	✓			
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: PHENOLINE 305 ✓ RECORD BATCH NUMBERS: COLOR * 4312 PART A: 3D1197M PART B: 3H2668M THINNER: 3H2119M TIME MIXED: 9:10 PM DATE: 10-19-83				
14.	VERIFY POT LIFE AS STATED IN CCP-30 AND CCP-30A IS NOT EX- CEEDED PER PARA. 3.3.5.3	✓			
**	MTE DUE				
	✓ 2497 2-27-84				
	✓ 2643 11-24-83				
	✓ 1433 11-11-83				

REMARKS: (DWGS, SPECS, ETC.) * TOUCHUP OF MINOR DISCONTINUITIES ON
5 CONDUIT SUPPORTS:

C12G14350-6	EL. 903'	AZ. 303°
C12G14350-7	EL. 903'	AZ. 301°
C12G14350-8	EL. 903'	AZ. 300°
C14G14351-4	EL. 903'	AZ. 301°
C14G14351-5	EL. 903'	AZ. 300°

FOR INFORMATION ONLY

RELATED NCR NO. N/A	I.R. CLOSED N/A	DATE N/A	SIGNATURE N/A	QC INSPECTOR
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COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET 1 OF 2

NO. PC107725

ITEM DESCRIPTION
PROTECTIVE COATINGSIDENTIFICATION NUMBER *Remedy* SYSTEM/STRUCTURE DESIGNATION

SPEC. NO. AS-31 REV. 1 REF. Q.C. DOC. & REV. & CHANGE NO. QI-QP-11.4-5 Rev. 25

MEASURE OR TEST EQUIP. IDENT. NO. 2786' 2640' 3059' 1616' *See Remarks*☐ 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 BELOWQC INSPECTOR *Spencer Adams*

DATE 10/21/83

ITEM NO.

INSPECTION ATTRIBUTES

FOR INFORMATION ONLY

DATE

QC SIGNATURE

SEAL COAT

FINISH COAT

ORIGINAL

REPAIR

1. RECORD ALL PROTECTIVE COATINGS UNIQUE QP & 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 AVER-
AGE DFT FOR EACH ITEM IN "REMARKS") *1/16" thru 2" sg*

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: 10/21/83 TIME: 2:05 PM W.B. 68°

D.B. 89° S.T. 90° D.P. 56° R.H. 34%

(CONTINUED ON SHEET 2 OF 2)

REMARKS (DWGS, SPECS, ETC.) * Finish coat repair (recoat) to Pipe Hanger
CT-1-135-410-CT2R, Attached to North face of Beam B 11,
At 236'5" @ 902'±* Finish coat repair, as per Para 3.7.5, to Embed # 1649, At 233'±
El. 901'±, located on bottom of Beam B 10, measuring 16'± starting
at column # 12 Ref. PC 107723

RELATED QCR NO.

N/A

I.R. CLOSED

N/A

DATE

N/A

SIGNATURE

QC INSPECTOR

18

ARMS
INDEXED

PERM. PLT. RECORD

FILE LOC.

171593

SUBFILE LOC.

300 PC #

COMANCHE PEAK STEAM ELECTRIC STATION
INSPECTION REPORT

(SUPPLEMENTAL)

Sheet 2 of 2
QI-QP-11.4-5, R25-

FOR FULL HEADINGS, SEE SHEET 1

NO. PC 107725

ITEM NO.	INSPECTION ATTRIBUTES	SAT	UNSAT	DATE	Q.C. SIGNATURE
8.	VERIFY QUALIFICATION OF APPLICATOR(S) PER PARA. 3.3.1. LIST: M. Garza C. Clapper	✓			
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 CCP-30 OR CCP-30A AND PARA. 3.3.5.	✓			
13.	COATING MATERIAL PRODUCT IDENTIFICATION: Phen 305 RECORD BATCH NUMBERS: 2800 PART A: 3H2333M PART B: 362121M THINNER: 3H2119M TIME MIXED: 6:09 PM DATE: 10/21/83	✓			
14.	VERIFY POT LIFE AS STATED IN CCP-30 AND CCP-30A IS NOT EXCEEDED PER PARA. 3.3.5.3	✓			

REMARKS: (DWGS, SPECS, ETC.)

FOR INFORMATION ONLY

① M&TE calibration due dates.

M&TE 2640 - 11/24/83

M&TE 2786 - 4/17/84

M&TE 1616 - 7/13/84

M&TE 3059 - 3/8/84

RELATED NCR NO.

N/A

I.R. CLOSED

DATE

N/A

N/A

SIGNATURE

RE/INSPECTOR

UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
1	Reactor Building Electrical Support	Phenoline 305 #4312	*See Below	Found at Paint Warehouse Mixing Area	N/A

NONCONFORMING CONDITION

* Base: 1J2789M; Curing Agent: 1F1054M; Thinner: 1E1861M.

Pigment was noticed to be separating from a mix of Phenoline 305 #4312, regardless of extent of agitation. One kit was discarded when dark green pigment continued to rise to the top after repeated hand and power agitation.

Hold has been placed on the paint batch numbers involved, because the mixing procedure states the components shall be thoroughly mixed. Hold is also on the nine electrical supports listed below, because this problem was identified in coating applied to them.

C14K13126-5, C13G13433-2, C14K04773-1, C13007236-6, JB-10-6520
C13007514-1, C14K14840-2, JBIC797G, C12K11146-6

Hold tags applied.

REFERENCE DOCUMENT: QI-QP-11.4-5 (Ref: CCP-30, R.9, para. 4.3.2) REV 6 PARA 3.3.5.2

REPORTED BY: John Moon DATE: 12/6/81

QE REVIEW/APPROVAL: *Henry D. Williams* DATE: 12/8/81
ACTION ADDRESSEE: J. T. Merritt/Kissinger DEPARTMENT: Engineering

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

See Attached Sheet.

**INFORMATION
COPY
ARCHIVED
INDEXED**

DATE: _____

QA RECORD 1

RTN.	QA REVIEW
L	OK 2282
FILE NO.	15.1
SUBFILE NO.	C-81-1673

ENG. REVIEW/APPROVAL: *M.W. CR Houston* DATE: 12/11/81QE REVIEW/APPROVAL: *[Signature]* DATE: 12/11/81DISPOSITION VERIFICATION CLOSURE: *Kac B.C. Lutt* DATE: 1/27/82

COMMENTS:

NCR C-81-01673

DISPOSITION:

A visual inspection of the nine electrical supports listed under the above nonconforming condition was conducted on 12/8/81 by Protective Coatings QC department. The supports were checked for color, color uniformity and any abnormalities which might affect the integrity of the coating, and found acceptable.

When thinning Phenoline 305, especially at higher levels, pigment float sometimes occurs. This pigment float will not affect the cure or the integrity of the completed coating system.

To assure distribution of pigments if float is noted, an agitated pot shall be used during application of the given mix.

Based on the above, Phenoline mixes utilizing base with batch #1J2789M shall be used as is. The curing agent and thinner that is also listed under the nonconforming items above, have no bearing on paint pigmentation and should not be addressed as nonconforming items under this NCR.

INFORMATION
COPY
PPRV



Brown & Root, Inc.

P.O. BOX 1001 GLEN ROSE, TEXAS 76043

MESSAGE

To

HARRY WILLIAMS
DICK CUMMINGS

DATE

12-10-81

CONCERN: PROTECTIVE COATING
PHENOLINE 4312

BASE 1J2789M CURING AGENT 1F1054M
THINNER 1F1861M

A POST VISUAL INSPECTION OF
FINISH COAT CONDUCTED ON
12-B-81 ON NINE ELECTRICAL
SUPPORTS AS REFERENCED PER

BY BOO HAMILTON P.C.O.C.

INSTRUCTIONS TO SENDER:

1. SEND TO ADD. FILE

2. SEND WHITE AND PINK COPIES WITH CARBON INTACT.

REPLY

DATE

ATTACHED NCR C-BI-01673
REVEALED THE COATING HAD
UNIFORM COLOR WITH NO
OTHER ABNORMALITIES
WHICH SHOULD AFFECT THE
OVERALL QUALITY OF THE
COATING SYSTEM.

CC: MARK WELLS
CIVIL ENGINEERING

SIGNED

INSTRUCTIONS TO RECEIVER:

1. WRITE REPLY.

2. DETACH STUB, KEEP PINK COPY, RETURN WHITE COPY TO SENDER.

INFORMATION
COPY
PPRV



SHEET _____ OF _____

SYSTEM / STRUCTURE DESIGNATION

Reactor Building / Electrical / Sit

MEASURE OR TEST EQUIP IDENT NO

 $\frac{N}{A}$ ☐ PRE TEST INSPECTION

Joe Probat 1-18-82
QC INSPECTOR DATE

INFORMATION
COPY
PPRV

Joe Krolak
QC INSPECTOR

REPORTING PERSONNEL

UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
1 & 2	Containments	N/A	N/A	Warehouse	N/A

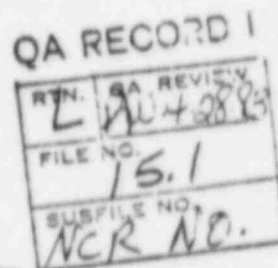
NONCONFORMING CONDITION

Ten surveillance checklist for storage and control of paint material were filled out by a person that was not certified to perform this function.

See attached checklists.

No hold tags applied.

ARMS
INDEXED



DATE:

REFERENCE DOCUMENT: QI-QP-11.4-17 REV 2 PARA 2.1

REPORTED BY: Neill Britton

DATE:
5, 20, 82

QE REVIEW/APPROVAL: *Cheryl Williams*

DATE:

5/25/82

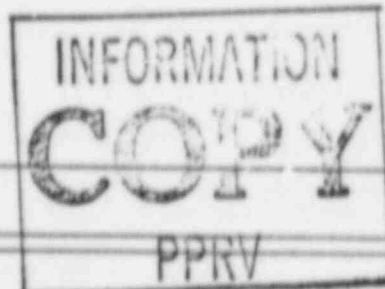
ACTION ADDRESSEE
Tom Brandt/G. Tolson

DEPARTMENT
QA/QC

DISPOSITION:

REWORK _____ REPAIR _____ USE AS IS XXX SCRAP _____

All inspections in Part B of checklist are verified by the inspector who witnesses the mixing operation and, if had been unsatisfactory, would have been reported when used. Inspections in Part A are a management tool and do not affect quality of material. For Part C inspection, the storage facility was the same building as it is now. Temperature charts are attached which indicates temperature is within specified tolerances. Inspection attributes C3 and C4 do not affect quality of coating materials. Any dirt on the container would be removed prior to mixing and verified by the inspector which witnessed the mixing operation.



ENG. REVIEW/APPROVAL: *[Signature]*

DATE:

4/27/83

QE REVIEW APPROVAL: *[Signature]*

DATE:

4/27/83

DISPOSITION VERIFICATION & CLOSURE: *[Signature]*

DATE:

4/27/83

COMMENTS:

ACTION ADDRESSEE

QUALITY ASSURANCE DEPARTMENT
SURVEILLANCE CHECKLIST FOR STORAGE
AND CONTROL OF COATINGS

A. RECORDS

1. Storage records reflect "first in-first out" issue procedure being followed.
2. Storage record coating identification and batch numbers agree with container identification and batch numbers.

Yes No

✓

✓

B. CONTAINERS

1. Closure tight -
- no leakage evident

✓

✓

2. Any containers damaged?

Disposition of damaged containers _____

✓

3. Labels applied to all containers/cartons

✓

4. Label information legible

✓

5. Label information includes

- a. Produce identification
- b. Manufacturer's name
- c. Date of manufacture
- d. Batch No.

✓

✓

✓

✓

6. Shelf life expired

✓

C. STORAGE FACILITY

1. Type "B" storage provided for safety-related coating materials.
2. Ambient temperature record indicates storage temperature is 45° RM to 100°F
3. 2323-AS-31 coating materials are segregated from all other coatings/paints.
4. Containers/cartons are stored in an orderly manner. The storage area is reasonably clean.

✓

✓

✓

✓

✓

QC ENGINEER/INSPECTOR Cordella Lindwell
(Any deficient check must be explained)

DATE 11-4-80 thru 12-4-80

FOR INFORMATION ONLY
COPY
PPRV

PERM. PLT. RECORD

FILE NO.	FILE LOG.
L	17.1.99.3
SURFILE LOG.	314

QUALITY ASSURANCE DEPARTMENT
SURVEILLANCE CHECKLIST FOR STORAGE
AND CONTROL OF COATINGS

A. RECORDS

1. Storage records reflect "first in-first out" issue procedure being followed.
2. Storage record coating identification and batch numbers agree with container identification and batch numbers.

B. CONTAINERS

1. Closure tight -
- no leakage evident

2. Any containers damaged?

Disposition of damaged containers _____

3. Labels applied to all containers/cartons

4. Label information legible

5. Label information includes

- a. Produce identification
- b. Manufacturer's name
- c. Date of manufacture
- d. Batch No.

6. Shelf life expired

C. STORAGE FACILITY

1. Type "B" storage provided for safety-related coating materials.
2. Ambient temperature record indicates storage temperature is 45° RM to 100°F
3. 2323-AS-31 coating materials are segregated from all other coatings/paints.
4. Containers/cartons are stored in an orderly manner. The storage area is reasonably clean.

QC ENGINEER/INSPECTOR

Cordeiro

DATE 12-4-80 then 1-5-81

(Any deficient check must be explained)

FOR INFORMATION ONLY

INFORMATION
COPY
PPRV

PERM. PLT. RECORD

RTN	L	FILE LOG.	17199.3
SUBFILE LOG.		314	

QUALITY ASSURANCE DEPARTMENT
SURVEILLANCE CHECKLIST FOR STORAGE
AND CONTROL OF COATINGS

A. RECORDS

Yes No

1. Storage records reflect "first in-first out" issue procedure being followed. ✓
2. Storage record coating identification and batch numbers agree with container identification and batch numbers. ✓

B. CONTAINERS

1. Closure tight - ✓
- no leakage evident ✓

2. Any containers damaged?

Disposition of damaged containers _____

3. Labels applied to all containers/cartons ✓

4. Label information legible ✓

5. Label information includes

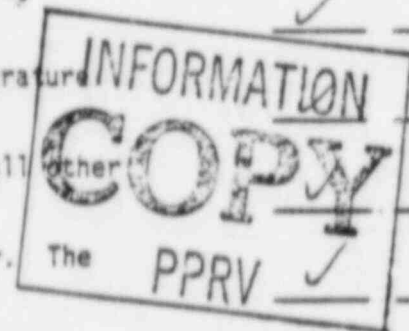
- a. Produce identification ✓
- b. Manufacturer's name ✓
- c. Date of manufacture ✓
- d. Batch No. ✓

FOR INFORMATION ONLY

6. Shelf life expired ✓

C. STORAGE FACILITY

1. Type "B" storage provided for safety-related coating materials. ✓
2. Ambient temperature record indicates storage temperature is 45° RM to 100°F
3. 2323-AS-31 coating materials are segregated from all other coatings/paints.
4. Containers/cartons are stored in an orderly manner. storage area is reasonably clean.



QC ENGINEER/INSPECTOR Carol Ellen Bidevell
(Any deficient check must be explained)

DATE 1-5-81 thru 2-5-81

PERM. PLT. RECORD

RTN	L	FILE LOC.	17.1.99.3
10' FILE LOC.			314

A. RECORDS

Yes No

- | | |
|---|--|
| ✓ | |
| ✓ | |

1. Closure tight -
- no leakage evident

✓

- Disposition of damaged containers

[illegible]

- ✓

- ✓

- _____

-

- _____ /

FOR INFORMATION ONLY

- ture
other
The
- INFORMATION
COPY
PPRV

Cordella Budwell

DATE 2/5/81 thru 3/5/81

RTN	L	FILE LOG	17.1.99.3
SUBFILE LOG.		314	

QUALITY ASSURANCE DEPARTMENT
SURVEILLANCE CHECKLIST FOR STORAGE
AND CONTROL OF COATINGS

		Yes	No
A. RECORDS			
1.	Storage records reflect "first in-first out" issue procedure being followed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.	Storage record coating identification and batch numbers agree with container identification and batch numbers.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B. CONTAINERS			
1.	Closure tight - - no leakage evident	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Any containers damaged? Disposition of damaged containers _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Labels applied to all containers/cartons	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	Label information legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.	Label information includes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	a. Produce identification	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	b. Manufacturer's name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	c. Date of manufacture	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	d. Batch No.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.	Shelf life expired	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C. STORAGE FACILITY			
1.	Type "B" storage provided for safety-related coating materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.	Ambient temperature record indicates storage temperature is 45° RM to 100°F	<input type="checkbox"/>	<input type="checkbox"/>
3.	2323-AS-31 coating materials are segregated from all other coatings/paints.	<input type="checkbox"/>	<input type="checkbox"/>
4.	Containers/cartons are stored in an orderly manner. The storage area is reasonably clean.	<input type="checkbox"/>	<input type="checkbox"/>

FOR INFORMATION ONLY

INFORMATION
COPY
PPRV

QC ENGINEER/INSPECTOR Cordella Ludwell DATE 3/5/81 thru 3/26/81
(Any deficient check must be explained)

PERM. PLT. RECORD

RTN	L	FILE LOC.	17.1.99.3
SUBFILE LOC.		314	

QUALITY ASSURANCE DEPARTMENT
SURVEILLANCE CHECKLIST FOR STORAGE
AND CONTROL OF COATINGS

A. RECORDS

- | | Yes | No |
|---|-------------------------------------|--------------------------|
| 1. Storage records reflect "first in-first out" issue procedure being followed. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Storage record coating identification and batch numbers agree with container identification and batch numbers. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

B. CONTAINERS

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Closure tight -
- no leakage evident | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|-------------------------------------|--------------------------|

2. Any containers damaged?

Disposition of damaged containers _____

- | | | |
|---|-------------------------------------|--------------------------|
| 3. Labels applied to all containers/cartons | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|-------------------------------------|--------------------------|

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 4. Label information legible | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|------------------------------|-------------------------------------|--------------------------|

- | | | |
|-------------------------------|-------------------------------------|--------------------------|
| 5. Label information includes | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|-------------------------------|-------------------------------------|--------------------------|

- a. Produce identification
- b. Manufacturer's name
- c. Date of manufacture
- d. Batch No.

- | | | |
|-----------------------|--------------------------|-------------------------------------|
| 6. Shelf life expired | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|-----------------------|--------------------------|-------------------------------------|

C. STORAGE FACILITY

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Type "B" storage provided for safety-related coating materials. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|-------------------------------------|--------------------------|

- | | | |
|--|-------------------------------------|--------------------------|
| 2. Ambient temperature record indicates storage temperature is 45° RM to 100°F | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|-------------------------------------|--------------------------|

- | | | |
|--|-------------------------------------|--------------------------|
| 3. 2323-AS-31 coating materials are segregated from all other coatings/paints. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|-------------------------------------|--------------------------|

- | | | |
|--|-------------------------------------|--------------------------|
| 4. Containers/cartons are stored in an orderly manner. The storage area is reasonably clean. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|-------------------------------------|--------------------------|

QC ENGINEER/INSPECTOR

(Any deficient check must be explained)

Connelly L. Linnell

DATE 3/26/81 thru 4/30/81

FOR INFORMATION ONLY

INFORMATION
COPY
PERV

PERM. PLT. RECORD

RTN <input checked="" type="checkbox"/>	FILE LOG <u>17.1.99.3</u>
SUBFILE LOG	<u>314</u>

QUALITY ASSURANCE DEPARTMENT
SURVEILLANCE CHECKLIST FOR STORAGE
AND CONTROL OF COATINGS

A. RECORDS

- | | Yes | No |
|---|-----|----|
| 1. Storage records reflect "first in-first out" issue procedure being followed. | ✓ | |
| 2. Storage record coating identification and batch numbers agree with container identification and batch numbers. | ✓ | |

B. CONTAINERS

- | | | |
|--|---|--|
| 1. Closure tight -
- no leakage evident | ✓ | |
|--|---|--|

2. Any containers damaged?

Disposition of damaged containers _____

- | | | |
|---|---|--|
| 3. Labels applied to all containers/cartons | ✓ | |
|---|---|--|

- | | | |
|------------------------------|---|--|
| 4. Label information legible | ✓ | |
|------------------------------|---|--|

- | | | |
|-------------------------------|--|--|
| 5. Label information includes | | |
|-------------------------------|--|--|

- | | | |
|---------------------------|---|--|
| a. Produce identification | ✓ | |
| b. Manufacturer's name | ✓ | |
| c. Date of manufacture | ✓ | |
| d. Batch No. | ✓ | |

- | | | |
|-----------------------|---|--|
| 6. Shelf life expired | ✓ | |
|-----------------------|---|--|

C. STORAGE FACILITY

- | | | |
|--|---|--|
| 1. Type "B" storage provided for safety-related coating materials. | ✓ | |
| 2. Ambient temperature record indicates storage temperature is 45° RM to 100°F | ✓ | |
| 3. 2323-AS-31 coating materials are segregated from all other coatings/paints. | | |
| 4. Containers/cartons are stored in an orderly manner. The storage area is reasonably clean. | | |

FOR INFORMATION ONLY

QC ENGINEER/INSPECTOR

(Any deficient check must be explained)

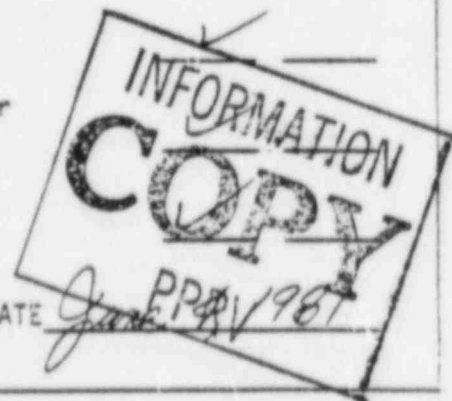
Cordeiro Budnell

DATE

June 17, 1993

PERM. PLT. RECORD

RIN	FILE NO.
6	17199-3
EQUIPMENT NO.	314



QUALITY ASSURANCE DEPARTMENT
SURVEILLANCE CHECKLIST FOR STORAGE
AND CONTROL OF COATINGS

A. RECORDS

1. Storage records reflect "first in-first out" issue procedure being followed.

Yes

No

✓

2. Storage record coating identification and batch numbers agree with container identification and batch numbers.

✓

B. CONTAINERS

1. Closure tight -
- no leakage evident

✓

✓

2. Any containers damaged?

Disposition of damaged containers _____

✓

✓

3. Labels applied to all containers/cartons

✓

✓

4. Label information legible

✓

✓

5. Label information includes

- a. Produce identification
- b. Manufacturer's name
- c. Date of manufacture
- d. Batch No.

✓

✓

✓

✓

6. Shelf life expired

✓

✓

C. STORAGE FACILITY

1. Type "B" storage provided for safety-related coating materials.

✓

✓

2. Ambient temperature record indicates storage temperature is 45° RM to 100°F

✓

✓

3. 2323-AS-31 coating materials are segregated from all other coatings/paints.

✓

✓

4. Containers/cartons are stored in an orderly manner. The storage area is reasonably clean.

✓

✓

QC ENGINEER/INSPECTOR

(Any deficient check must be explained)

Carol Ann Bidwell

DATE

July 24, 1981

FOR INFORMATION ONLY

INFORMATION

CO

PERM. PLT. RECORD

17.1.99.3

314

QUALITY ASSURANCE DEPARTMENT
SURVEILLANCE CHECKLIST FOR STORAGE
AND CONTROL OF COATINGS

A. RECORDS

1. Storage records reflect "first in-first out" issue procedure being followed.
2. Storage record coating identification and batch numbers agree with container identification and batch numbers.

Yes No

✓

✓

B. CONTAINERS

1. Closure tight -
- no leakage evident

✓

✓

2. Any containers damaged?

Disposition of damaged containers _____

✓

3. Labels applied to all containers/cartons

✓

4. Label information legible

✓

5. Label information includes

- a. Produce identification
- b. Manufacturer's name
- c. Date of manufacture
- d. Batch No.

✓

✓

✓

✓

6. Shelf life expired

✓

C. STORAGE FACILITY

1. Type "B" storage provided for safety-related coating materials.
2. Ambient temperature record indicates storage temperature is 45° RM to 100°F
3. 2323-AS-31 coating materials are segregated from all other coatings/paints.
4. Containers/cartons are stored in an orderly manner. The storage area is reasonably clean.

✓

✓

QC ENGINEER/INSPECTOR

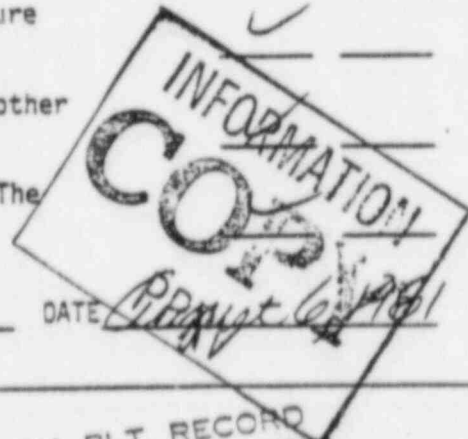
(Any deficient check must be explained)

Cordelia Lindvall

DATE

10/17/99

FOR INFORMATION ONLY



PERM. PLT. RECORD	
R. 14	FILE NO. 17.7.99.3
SUBFILE NO.	3/4

QUALITY ASSURANCE DEPARTMENT
SURVEILLANCE CHECKLIST FOR STORAGE
AND CONTROL OF COATINGS

A. RECORDS		Yes	No
1. Storage records reflect "first in-first out" issue procedure being followed.		✓	
2. Storage record coating identification and batch numbers agree with container identification and batch numbers.		✓	
B. CONTAINERS		✓	
1. Closure tight - - no leakage evident			✓
2. Any containers damaged? Disposition of damaged containers _____			✓
3. Labels applied to all containers/cartons		✓	
4. Label information legible		✓	
5. Label information includes			
a. Produce identification		✓	
b. Manufacturer's name		✓	
c. Date of manufacture		✓	
d. Batch No.		✓	
6. Shelf life expired		✓	
C. STORAGE FACILITY			
1. Type "B" storage provided for safety-related coating materials.		✓	
2. Ambient temperature record indicates storage temperature is 45° RM to 100°F		✓	
3. 2323-AS-31 coating materials are segregated from all other coatings/paints.		✓	
4. Containers/cartons are stored in an orderly manner. The storage area is reasonably clean.		✓	

FOR INFORMATION ONLY

QC ENGINEER/INSPECTOR
(Any deficient check must be explained)

Cordella Guidwell

INFORMATION
COPY

DATE *September 8, 1981*

PERM. PLT. RECORD

RTN	FILE LOC.
L.	17.1.99.3
SUBFILE LOC.	314

NOTES

CURRENT PROCEDURE REVIEW NOTES
19 Sept 84 WCL/ky

PAGE 1 of 2

TUGCO
XCP-QP-8.0 Rev 4 9 Aug 84, 1 SAYS FOR RECEIVING

NON ASME ITEMS FOLLOW XCP-QP-8.1 "QC RECEIVING INSPECTION"

TUGCO
XCP-QP-8.1, Rev 1, 20 Jan 80, "SUPPLIER EVALUATION"

FOR NON ASME ITEMS SAYS FOLLOW DQR QAM OR
TUGCO CORP QAP'S AS APPLICABLE

TUGCO
XCP-QP-5.0 Rev 1 20 APR 81 "QUALITY ASSURANCE REVIEW
OF SITE GENERATED PROCUREMENT DOCUMENTS" REFERENCES
XCP-EP-5.0 "PROCEDURE FOR FIELD PROCUREMENT",
XCP-CPM-5.1 "FIELD PROCUREMENT ACTIVITIES",
✓ XCP-QP-8.0 "RECEIVING INSPECTION", AND
✓ XCP-QP-8.1 "SUPPLIER EVALUATION" FOR
NON ASME ITEMS METHODS

~~SP~~ TUGCO
XCP-QP-11.4 Rev 7 8 Nov 83 "INSPECTION OF
PROTECTIVE COATINGS" IS GENERIC + GENERAL
AND JUST REFERENCES "APPLICABLE QUALITY INSTRUCTIONS"

XQI-QP-11.4-17, Rev 6, 1 Jun 83, "SURVEILLANCE OF
STORAGE AND HANDLING OF PROTECTIVE COATINGS"
(GIVES STORAGE LIMITS + HANDLING LIMITS IRW/ CEMENTS ATTACHED)

XQI-QP-11.4-22, Rev 3, 7 Aug 84, "QC VERIFICATION OF
PROTECTIVE COATINGS UNIQUE IDENTIFICATION NUMBER TRANSFER"
NOT TO DO WITH TRANSFERRING #S WITHIN CUTTING
STOCK

TUGCO

X GI-QP-11.4-1 Rev 20 5 MAR 84

"INSPECTION OF STEEL SUBSTRATE SURFACE PREPARATION AND PRIMER APPLICATION" REQUIRES

- INSPECTION OF CONTAINERS FOR ID + CORRECT PRODUCT PRIOR TO MIXING
- INSPECT FOR BATCH # + SHELF LIFE AT TIME OF MIXING
WITNESS GRAB MIXING + THINNING OPERATION
- PAINT MIXING SLIP (NEED NOT BE RETAINED)
TO TRANSFER INFO FROM ONE INSPECTION TO ANOTHER WHEN PAINT NOT MIXED IN WORK LOCATION

TUGCO

X GI-QP-11.4-5 Rev 20, 4 MAR 84 "INSPECTION OF STEEL SUBSTRATE PRIMER RETAIN AND SEAL AND FINISH COAT APPLICATION + REPAIR"

SAME FOR PRIMER REPAIR MATERIALS + SEAL + FINISH MATERIALS AS 11.4-1

TUGCO

X GI-QP-11.4-10 Rev 19 13 JUN 84 "INSPECTION OF CONCRETE SUBSTRATE SURFACE PREPARATION AND COATINGS APPLICATION AND REPAIR" - SAME

REQUIREMENTS AS ABOVE EXCEPT NO PAINT MIXING SLIP USED BECAUSE MATERIALS MIXED IN WORK AREA

CCP 30, 30A + 40

GIVE RECORDS FOR (INCLUDING TEMP. RANGES)

ACTUAL STORAGE + HANDLING WORK BY

CONSTRUCTION + REFERENCE CP-PM-8.1 FOR

CURRENT WORK + ACP-3 FOR OLD WORK.

Memo to File
From: V. Lettieri

Date: Aug 30, 1989

Subject: Listing (by computer printout) of all
QC Inspectors that have written A.C. IR's.

Numerous individuals have been contacted
on this item. Today I talked with Tony

Canapa of C.A. (Ext 802), who said he
could produce such a listing but it was
a moderate to large job. [He did not define
what these terms mean.]

A group discussion resulted wherein it
was decided that now was not the time to
pursue this printout. Tony was informed that
we may request this information at a latter time.

1 Attachment

cc: Phil Matthews, Bill Wells.

8/28/87

● Attempt to obtain QC Inspector who
that have written @ least 1 I.R.

Called

- ① Paper flow group @ 514, told to call
- ② " " " @ 415, " " "
- ③ Ext 280 " " "
- ④ Doug Snow @ 558, talked @ Doug Sanders
- He suggested Cecil Manning + Cindy Kisher, I
said already been there. He then suggested
calling Jack Kelpatuck (506)
- ⑤ Explain what needed to Kelpatuck he will call
back - He said to talk @ Lynette Adams ⇒ (Ext 219)
- ⑥ Talked @ Lynette she suggested talking to
Fran Whitendun @ Ext 419
- ⑦ Fran said to talk @ Tony Canapa Ext 802
- ⑧ Called Tony Canapa @ 2:15 PM / 8/29/87 left message

PC 3800 3899 / PC 3500-3599

PC 3600-3699

Can do with the computer. Computer was
down 9/30/84.
VINCE-

DO ANY INSPECTION REPORTS
ON 10/2/79 SHOW THE
USE OF BATCH# GH5381M OF
CZ-11? ALSO, HOW ABOUT
TIME FRAME FROM 10/1/79 THROUGH
10/17/79? IF YOU FIND
ANY, PLEASE GET COPIES.

THANKS

- BILL (W C WELLS
30 AUG 84)

Request Sept, Oct, Nov 79

sep PC 3800 came after IR's were written

31 AUG 84

RE: INSPECTION REPORTS

WCW TO CLAUDE JOHNSON

I HAD VINCE PULL THESE RANDOM
IRS SO I COULD GET SOME
BATCH NUMBERS OF PAINT TO CHECK.

IN LOOKING AT THE FIRST FEW,
I NOTICED SOME THINGS THAT YOU
MAY WANT TO LOOK AT AS PART OF
YOUR IR INVESTIGATION:

PCI-0011201, 2ND PAGE IS
NUMBERED PCI-0011205 - DO THESE GO TOGETHER?
DOES THE SIGNATURE ON PAGE 1 APPLY TO THE
DATA ON PAGE 2?

- FOR ALL REPORTS:

- WHY AREN'T THERE SIGNATURES IN THE
"QC SIGNATURE" COLUMN FOLLOWING
THE "SAT" CHECKMARKS?
- WHY ARE THE "IR CLOSED" AND
"SIGNATURE" BLOCKS AT THE BOTTOM
OF EACH PAGE MARKED "N/A"?
- THERE IS NO EVIDENCE OF REVIEW
BY ANYBODY - IS THIS REQUIRED?
- INSPECTORS CERTIFICATION LEVEL IS NOT SHOWN
DO THEY HAVE HIGH ENOUGH LEVEL TO
SEND REPORTS TO VAULT WITHOUT REVIEW?

PCI-0011202 - PAGE 2 HAS
NO PCI NUMBER

REGARDLESS OF WHAT THEIR PROCEDURE
SAYS, EVERY PAGE SHOULD BE
SIGNED, DATED, AND NUMBERED.

INTERVIEW W/ NEIL BRITTON AT
1230 HRS 31 AUG 84 ALL WAS
EXPLAINED - PROCEDURE COVERS IT:

- 1) PROCEDURE EXPLAINS SIGNATURE IN "SAT"
COLUMN IS ONLY FOR UNSAT CLOSURES
- 2) SIGNATURE AT BOTTOM IS ONLY FOR
CLOSURE OUT OF UNSAT OR NCR -
REMOVED IRs - N/A MEANS
"IR WAS ISSUED CLOSED"
- 3) SHEETS 1+2 ARE TWO SIDES OF ONE
PIECE OF PAPER - SIGNATURE ON PAGE
1 COUNTS FOR BOTH - DIFFERENT IR
NUMBERS IS SIMPLE ERROR
- 4) NO QA/QC REVIEW IS REQUIRED
BY THEIR SYSTEM.

MEMO TO File

From: V. Keltner

Date: Sept 11, 1984

Subject: IRs using Batch # 9H5381M

- A computer search was made that shows
- No IRs were written using this batch #. As a check three other batch #'s were given and a computer search was conducted. Each of the other batch #'s had at least 1 IR written, two had many IRs written against them. The batch #'s used as a check were taken ~~by~~ from IRs copied from vault.

- As a note computer searches can be done by at least IR #, QC Inspector name, date, and batch #. They can't be done by type of coating such as CZ 11, 305 or 201, unless the batch #'s are known.

cc Bill Wells.

* 1976 - No PC IRs written, 1977 - large # written

INVESTIGATION

NOTE TO FILE:

30 AUG 84

RE: VISIT TO CPSES COATINGS STORAGE
AREA BY Y. LOTTORI + W.C. NEWS

OBSERVATIONS:

- 1 LARGE + 1 SMALL "Q" STORAGE AREA
- 1 "NON-Q" AREA
- ALL IN SAME GENERAL LOCATION
- NONE HAD LOCKED DOORS
- ONLY PERSONNEL PRESENT WAS 1 CRAFTSMAN
(JAMES) WHO HAS BEEN PERFORMING
WAREHOUSING ACTIVITIES FOR SEVERAL YEARS
- AREAS NOT CONTROLLED BY Q.C.
- KEELUR + LONG COATING MATERIALS WERE
OBSERVED IN "Q" AREA
- MANY CONTAINERS WERE STACKED TOGETHER -
POSSIBLE DAMAGE MAY BE RESULT OF
STACKS TOO HIGH (BUT NO GROSS
EVIDENCE OF DAMAGE WAS OBSERVED)
- CALIBRATION RECORDING ~~OF~~ THERMOMETERS
WERE OBSERVED IN BOTH Q AREAS

W.C. News 30 AUG 84

BATCH NUMBERS EXTRACTED FROM IIRs
AND TRACED BACK TO RIRs

INSPECTION REPORT #	DATE	MATERIAL	BATCH #s	RIR #	CERTS	NOTES
PCI-0011202	3 JAN 84	CZ-11	3E1456M 3FS182Z	21979 22551	OK OK	
PCI-00758	6 MAY 83	N-11S	3922-D042 3892-A242 3919-C162	21958 21958 21958	OK OK OK	
PC100715	5 MAY 83	N-120	3873-A102 3875-A102	20977 20977	OK OK	
PC100697	3 MAY 83	N-11	3717-I142 3709-I072 3712-I072	20340 20340 20340	OK OK OK	{ WHSE A "B" 10/6/82 NO CONF CERT
PC00204	2 APR 83	CZ-11	3A0074M 3A5036M	21000 21000	OK OK	{ WHSE A "B" 2/17/83
PC45122	1 JUN 82	N-11S	3443-C092 3445-C102	18704 18704	OK OK	{ PAINT SHOP B 4/12/82
PC40310	31 OCT 81	CZ-11	1C5612M 1B2277Z	16517 16517	OK OK	
PC03518	5 FEB 80	CZ-11	9L5418M 9H1760Z	13303 13303	OK OK	
PC03511	24 AUG 79	P-305	9E0481M 9D0002M	10688 10688	OK OK	NOTE ①
PC03551	28 JUL 78	CZ-11	8D5178M 8E1307Z	06348 06348	OK OK	
PC03650	1 DEC 77	CZ-11	7F5068M 7J0938Z	04700 04700	OK OK	NOTE ②

NOTE: ① BATCH #s TAKEN FROM PC03511 "PROTECTIVE COATINGS

MATERIAL IDENTIFICATION AND MIXING CHECKLIST" - THIS IS AN

AND INADEQUATE RECORD WHICH IS MISSING CERTAIN SIGNATURES

AND OTHER CRITICAL DATA, BUT IT DOES INCLUDE BATCH

NUMBERS AND PLANT LOCATION.

② BATCH #s TAKEN FROM POT MIXING RECORD DATED 22 NOV 77
ATTACHED TO PC03650 DATED 1 DEC 77 - THESE CLEARLY DO NOT
GO TOGETHER. LOCATION GIVEN ONLY AS REACTOR BLDG 1.

BATCH #S EXTRACTED FROM NCRS
FOR TRACING BACK TO RIRS

<u>NCR*</u>	<u>MAT'L</u>	<u>BATCH</u>	<u>PROBLEM</u>	<u>RIR</u>	<u>CERTS</u>	<u>NOTES</u>
C-81-01673	P-305(BASE)	1J2789M	"PIGMENT FLOAT"	17512	OK	1.
C-1729	CZ-11(BASE)	9H5381M	"GREASE PARTICLES"	11967	OK	2.
C-81-01724	P-305	OM2708M OL2531M 1J2791M	"PARTICLES"	16209 17512	OK OK	3.

NOTES:

1. RIR DOES NOT NOTE ANY DEFECT IN MATERIAL (THAT'S OK - DEFECT NOT NECESSARILY DETECTABLE UPON RECEIPT INSPECTION)
2. RIR STATES THAT BATCH 9H5381M IS A GOOD BATCH SENT TO REPLACE BAD BATCH# 9F5366M (RIR 11699) PER NCR C-1709 (SEE NOTE 1). REVIEWED RIR 11699 AND FOUND ALL TO BE IN ORDER, BUT NO MENTION OF RETURN OR NCR.
CERTS REFERENCE 101.2, NS12 AND CARBOLINE'S QA PROGRAM (WHICH IS GOOD) - RIR 11967 9/28/79 SAYS WHSE A "C" FOR STORAGE (WHICH IS WRONG - "C" = NO TEMP. CONTROL)
3. CAN'T FIND RIR FOR BATCH OM2708M - RIR 16209 LISTS BATCHES OM2707M AND OM2709M, BUT NO BATCH OM2708M.

FIRST CARBOLINE SHIPMENT

RIR 1877 (MATERIAL/EQUIPMENT CONTROL HISTORY REPORT)

REC'D 9-18-76 + ISSUED TO W.E. McFARLAND
BY A.W. McCune?

ATTACHED → MATERIAL RECEIVED RECORD 34195 (9-18-76)

→ CARBOLINE COURTS FOR:

ZINC DUST	6H65302	(9-16-76)
THINNER #2	6J6292M	..
305 PART A	6H2654M	..
THINNER 33	6H2935M	..
305 B	6H2905M	..
CZ-11 BASE	6H5940M	..
PHENOLIC THINNER	6F6045M	..

ALL SIGNED
BY JOHN PITSTICK +
DENVER BRENNAN

~~Supplies~~
ORIGINAL +
1 COPY OF
FACT

(NOTE - ALL ON OLD FORMS - GIVE LAB TEST RESULTS
BUT DON'T MENTION ANSI, QA PROGRAM, OR DBAs)

→ ~~QUALITY~~ GATING RECEIVING INSPECTION CHECKLIST

9/18/76 BY DOUGLAS H. CURRIE

ALL ITEMS CHECKED OK INCLUDING

"EVIDENCE OF B+R SOURCE INSPECTION" AND
"PRODUCT RECEIVED FROM APPROVED SOURCE"

→ CARBOLINE INVOICE

→ BROWN + ROOT QA Dept CONFORMANCE CURT.

FILLED OUT BY CARBOLINE -

REFS: P.G.# 35-1195-6826 CH62
+ ANSI 101.4

STATES COURTS + APPLICATION INSTRUCTIONS
SENT WITH SHIPMENT

SIGNED STATEMENT BY William J. Linn

QA Man 9/16/76 (Caroline?) THAT

SHIPMENT COMPLIES WITH ALL B+R ROOTS

AND SIGNATURE + STAMP OF FRANKLIN G. Linn

B+R SURVEILLANCE SPECIALIST 9/16/76

+ CHECKED "FINAL SURVEILLANCE PERFORMED"

FIRST IMPERIAL SHIPMENT

RIR ~~04700~~

1-05-78

5225

Imperial 1st

P.O. # 35-1195-15779

REQUIREMENTS CCP-30 Rev. 1 FOR HANDLING,
STORAGE, MAINTENANCE REQ'S.

SIMILAR TO CARBO PACKAGE OTHERWISE
EXCEPT SOURCE INSPECTION WAIVED

PER DONALD SUTTON

TELETYPE CP 270 + CP 308

12/8/77

+ NO ITEMS SENT BY SHIPMENT

FOR CONFORMANCE CERT + MRR -

BUT CORRS SENT 12/78

(+ 3 GAL 11 SURFACER RETURNED FOR
WRONG CONTAINER SIZE)

B + R SOURCE INSPECTION WAIVERS ATTACHED

THIS INCLUDES 11S CURLO 3228J07

DL-54 THINNER 3596L08

11S SURFACER 3227J07

11S FILLER 3229J07

ALL CORRS SHOW ^{LAB} TEST RESULTS + MRR
^

SIGNED BY IMPERIAL Q.C. SUPERVISOR,
CHIEF CHEMIST (+ NOTARIZED!)

FIRST AMERON SHIPMENT

5-2-78
RIR 6(89) - 1st Ameron

P.O. 35-1195-18552

- SURVEILLANCE WAIVED
Prepare CORPS w/ REF TO ANSI + Ameron's ^{NUCLEAR} QA Program

D-6 1-804104
1-804103

66 WHIRL 1-804124
1-804125

65 THINNER 1-804061

101 THINNER 1-804121

7 THINNER 1-804122

SENT w/ SHIPMENT: - CORPS
PACKAGING RECORDS
APPLICATION INSTRUCTIONS
SAFETY PRECAUTIONS

Some RIRs SAY STORAGE LOGS.

WHICH A TYPE "C"

WHICH A TYPE "B"

or PARTIAL TYPE "B"

50477 24 JAN 78
From Rev 4 to Rev 5 of CCP-30,
The Design Warehousing Record to
be completed upon issuance of Part

Also Deleted
From Rev 0, 29 Nov 77, to
Rev 1, 25 Jan 78 of CCP-48

TRACEABILITY

- TRACK SELECTED BATCH (ES) FROM PLANT
BACK TO DBA TESTS

INSPECTION REPORT → RIR → CERT →
WAREHOUSING → VENDOR APPROVAL → PO?
DBA TESTS

Amerson

Audit A 350 BREA 1-14-76

BYB+R

INDICATES REVIEW OF QA R4 8 SEP 75
AUDIT AT BREA + QA DEPT SURVEY CHECKLIST

9 FINDINGS (BASICALLY ~~SAFETY~~ PROBLEMS WITH
LESS THAN TOTAL PROGRAM IMPLEMENTATION)

Audit A 350-1 BREA 5-23-77

SAT BUT REVIEW + UPDATES NEEDED

A 350-5 Houston 7-5-79

SAT BUT 3 FINDINGS

A350-6 BREA 4-28-80

APPROVED (4 FINDINGS)

A 350 BREA 4-20-76 (FOLLOW UP)

CAN'T YET ISSUE P.D. BUT PUT IN
APPROVED BREA'S LIST BASED ON
THE RQA MANUAL

CPS-A-350-1 3-11-81

BREA

WITH QA PROGRAM REVIEW FORM

MANUAL APPROVED (QA R4 REV 11, 9/13/79)

+ AL (8 CRITICAL) FOR APPB +

ANSI N45.2

NO DEFICIENCIES

A350-1 May 23-27, 77 BREA

A350-2 3-4 May 78 BREA

A350-3 19 Jul 78 Houston

A350-4 15-16 May 79 BREA

A350-5 5 Jul 79 Houston

A350-6 28-29 April 80 BREA

IMPERIAL

AUDIT No.

S 267-2

10, 12 Dec 79

NEW ORLEANS

SK - ONE FINDING

Revised PO

35-1195-6826 FOR CARBONS

DATED 3-4-76

INCLUDES IMPOSITION

OF APPB & N45.2 (1971)

N45.29 (1-17-73)

N45.2.10 (1973)

N45.2.11 (2-5-73)

N45.2.12 (5/2/73)

N45.2.13 (5-31-73)

QA PRG SUBMITTAL REQ'D

PLANT ACCESS & NOTIFICATION

INVEST N101.4

Changes 1-3 mark color + quantities on U

4 (11-30-76) RQ's B & B

CONFORMANCE CONT

10 (8-1-77) RQ'S 101.4 + ADDS 101.2

13 3/10/78

CHANGES ALL QA/QC RQ'S
(NOW RQ'S ARE GOOD IN BOTTOM
+ INCLUDES PART 21)

VENDOR P RQ'S EVALUATION FORM FILL OUT

BY CARBONE 7/16/75 + APPROVED

BY B & R QA 8-2-75 (WITH CAUTION)

THAT VENDOR SURVEY IS REQ'D PRIOR TO P.O. ISSUANCE

QA Prot Rev. DATED 1/5/76 - APPROVED

FACILITY SURVEY 6, 7, JAN 76
CONDITIONAL APPROVAL (FOLLOWED BY FULL APPROVAL)

~~C105-1 16 SEPT 76~~

C105-4 XENIA & S.L. 14-16 MAY 79

C105-3 4-6 APR 78

C105-2 31 JAN 77 ^{7th FEB 2} ST.L.

C105-1 20-21 JAN 77 ~~BY~~ XENIA

11 OCT 78 LETTER OF
APPROVAL OF CARBOLIMS Q4m Rev 2 (10/78)

5 OCT 76 LETTER RTR TO CARBO
REQUESTS DIALS FOR CZ-1/P-305

IN GENERAL CORRESPONDENCE FILE IS

A LETTER CARBONING TO R+R 26 OCT 76

REFERENCES 15 OCT 76 MEETINGS AT G+H NY

+ PROVIDES RECOMMENDATIONS FOR ~~THE~~ AWSI

CRITERIA FOR CZ-11 (3 miles) & P-305 (4 miles)

WITH ALLOWANCE FOR ASTM D. 1043 CLASS 10

AS FOLLOWS

	SPEC	MIN	AN MAX	SPOT MAX
CZ11	2.5	2	5	6
	3	2.4	6	7

+ THIS LETTER TRANSMITS COPIES

OF CARBONING LATEST REPORTS (IN HOUSE DBAs)

SR 57 + 4997

9/21/84

• Emerson, Re award - 4/14/82

TAM-1 6/21+22/83 Audit

• Imperial Re ~~audit~~ ^{award} - 12/1+2/80

TECI-1 7/12+13/83 Audit

Caroline Re-award 5/5-8/80

• 8/11+12/80 follow-up

Re-award review 7/6/82

TCR-2 9/21+22/82 audit


TCR-3 9/20+21/83 audit

• Dallas (info located)

640
Ext

• Read over phone from Chuck Welch

V. Lelken



CPSES NRE TRT

SSEB - COATINGS 4

WORK PACK

VOL I of XIII

FOIA-85-59

A/73

