



HPF-E2

REV. 1

DATE: 5-13-82

PROCEDURE FOR
INSTALLATION AND DOCUMENTATION
OF
FIRE ALARMS, CARDOX SYSTEM,
DELUGE SYSTEM,
AND
SMOKE DETECTORS

For Information Only.

APPROVED FOR CONSTRUCTION

PRODUCTION SUPERINTENDENT

REVIEWED

Howe

4-27-82
DATE

QUALITY MANAGER

APPROVED

Virg Tennyson

4-22-82
DATE

PROJECT MANAGER

APPROVED

[Signature]

4-27-82
DATE

THE HOWARD P. FOLEY COMPANY

THE
HOWARD P. FOLEY
COMPANY
P. O. BOX 327,
AVILA BEACH, CALIF.
93424

805-585-7377

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- TUCSON, ARIZONA
- WASHINGTON, D.C.
- ANCHORAGE, ALASKA

Canadian Subsidiary:
EDMONTON, ALBERTA

APPROVAL (AS NOTED)

- Approved as to Substance
- Subject to Notations Shown
- Not Approved
- Revised Drawings Required
- Furnish Resubmittals
- Approved for Constr.

Resident Engineer *[Signature]*

By _____ Date 5-13-82

PACIFIC GAS & ELECTRIC CO.
Diablo Canyon

DIABLO CANYON
NUCLEAR POWER PLANT

PG&E G.C.
QUALITY CONTROL

REVIEWED & APPROVED
[Signature]

DATE 5/12/82

8801130159 871229
PDR FOIA
GARDEB4-21 PDR

R-120

THE HOWARD P. FOLEY COMPANY
QUALITY PROCEDURE CHANGE NOTICE

Procedure Number HPF/E2 PCN Number 1
Revision Number Rev.1 Effective Date 4-8-83

PAGE	PARAGRAPH
1	1. Delete last two (2) sentences, i.e., "This exemption covers the conduit <u>only</u> . <u>All</u> supports regardless of installation date must be inspected and documented."

PAGE	PARAGRAPH
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REVIEW:

Howard P. Foley 3-29-83
PRODUCTION SUPERINTENDENT DATE

APPROVAL:

Robert A. Cat 3/29/83
QUALITY MANAGER DATE
[Signature] 3-30-83
PROJECT MANAGER DATE

THE HOWARD P. FOLEY CO. APPROVAL

CUSTOMER APPROVAL:

APPROVAL (AS NOTED)	
<input type="checkbox"/>	Approved as to Substance
<input type="checkbox"/>	Subject to Notations Shown
<input type="checkbox"/>	Not Approved
<input type="checkbox"/>	Revised Drawings Required
<input type="checkbox"/>	Furnish Reproduces
<input checked="" type="checkbox"/>	Approved for Copy
Resident Engineer <u>[Signature]</u>	
By <u>N/A</u>	Date <u>4/8/83</u>
PACIFIC GAS & ELECTRIC CO. Diablo Canyon	

Instruction

- 1) A file of this change notice shall be maintained in the QC Files.

QCP-0
HPF/ PCN
Effective Date 12-20-79

CHANGES MADE TO HPF-E2
INSTALLATION AND DOCUMENTATION
OF
FIRE ALARMS, CARDOX SYSTEM
AND
SMOKE DETECTORS

Revision 1

This procedure has been completely revised:

- 1) Revised Title
- 2) Revised Scope
- 3) Revised Responsibilities
- 4) Revised Method



THE
HOWARD P. FOLEY
COMPANY

1. SCOPE

PCN-1 This procedure outlines the responsibilities and methods for installing, inspecting and documenting Fire Alarms, Carodx System, Deluge System and Smoke Detectors. All conduit installed prior to May 31, 1978 shall be exempt from the inspection and documentation requirements of this procedure.

2. REFERENCES

Pacific Gas and Electric Company Specification 8802, "Installing Wire, Electrical Equipment and Instrumentation." Other Quality Control Procedures, Quality Instructions, Standards, Codes and Design Documents as applicable.

2.1 Where conflicts arise between the requirements of the procedure and the Design Documents, the requirements of the Design Documents shall prevail in all cases.

3. RESPONSIBILITIES

3.1 The Project Manager is responsible for employing all measures necessary to accomplish the work in accordance with the requirements of the contract documents and this procedure.

3.2 The Production Superintendent or designee assigned by the Project Manager shall be responsible for accomplishing all installations in a quality manner as required by the Design Documents and this procedure.

3.2.1 It shall be the responsibility of the Production Superintendent to insure Production forces under his supervision are kept informed and are working to the latest requirements specified in the Quality Procedure.

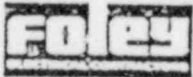
3.3 The Quality Manager is responsible for inspection and documentation in accordance with Quality Procedures, Guidelines and Methods as approved by Pacific Gas and Electric Company.

4. METHOD

4.1 EQUIPMENT

All equipment shall be treated as Class I.

HPF-E2
REV. 1



THE
HOWARD P. FOLEY
COMPANY

HPF-E2
REV. 1

Receiving shall be performed to the requirements of QCP-4. Installation shall conform to the requirements of QCPE-7 with the exception that installation of smoke detector bases need only be documented on Form HPF/SIWS as provided in QCPE-9. See Para. 2.1 of this procedure.

4.2 CONDUIT INSTALLATION

All conduit shall be installed as Class I. Installation shall conform to the requirements of QCPE-9 with the exception that the conduit shall not be color coded. See Para. 2.1 of this procedure.

4.3 WIRE INSTALLATION

4.3.1 Wire shall be black.

4.3.2 Installation shall conform to the requirements of QCPE-10.

4.3.3 See Para. 2.1 of this procedure.

4.4 TERMINATIONS

Terminations shall be treated as Class I and shall be performed in accordance with the requirements of QCP-11. See Para. 2.1 of this procedure.

4.5 RELEASES

Systems shall be released only upon completion of all work in accordance with this procedure and the Design Documents unless otherwise directed by Pacific Gas and Electric Company.

5. DOCUMENTATION

Work which is performed as Class I shall be documented on the appropriate forms as provided for in the applicable Quality Control procedures. Installation on conduit shall be reported on Vital Conduit Installation Reports. See Para. 1 for exemption from documentation requirements for all conduit installed prior to May 31, 1978.



THE
HOWARD P. FOLEY
COMPANY

10-764

QC File

COPY

VT
SS
ME
EB
JS
LS

P. O. Box 117
Avila Beach, California 93424

October 12, 1976

The Howard P. Foley Company
P. O. Box 327
Avila Beach, California 93424

Attention: Mr. L. Addleman, Project Manager
Mr. V. Tennyson, Quality Manager

Diablo Canyon Project
Spec. 8802
Quality Assurance
Documentation

Gentlemen:

We have reviewed your September 20, 1976 letter enumerating the Q. A. documentation being prepared for turn over to satisfy the requirements of Specification 8302 and your Q. A. Manual, and find it satisfactory. However, please include the TWSC's in this list as a required document for turn over.

When the documentation is, in your opinion, ready for release to P G and E, please notify us so that we may audit the records for content and organization prior to acceptance. As has been verbally discussed in the past, we would expect to receive the documentation on a unit by unit basis beginning with Unit I. Acceptable documents are to be shipped to Mr. Don Day, P G and E Company, Diablo Canyon Project. Documents should be approximately 8-1/2" x 11", or folded to this size, and packed in cardboard containers with removable tops of external dimensions as near to but not exceeding the following: 10-1/2" high, 13" wide and 16" deep.

Sincerely,

RECEIVED
QUALITY CONTROL

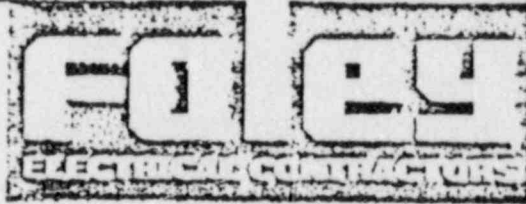
OCT 18 1976

HOWARD P. FOLEY CO.
Avila Beach, Calif.

R. R. FRIEDRICHS
Project Superintendent

.00

VT-391



September 20, 1976

Mr. R. P. Friedrichs
Project Superintendent
Pacific Gas and Electric Company
P.O. Box 117
Avila Beach, CA 93424

ATTN: Don Day

RE: Quality Documentation
to be Turned Over to
P. G. & E.

Gentlemen:

It is our understanding through conversations with your Quality Control Department that the following Quality documents are required:

1. [REDACTED] Work Sheets and Support Documents as Needed.
2. [REDACTED] Work Sheets and Support Documents as Needed.
3. [REDACTED] Reports.
4. Jumper Termination Reports.
5. [REDACTED] Reports.
6. [REDACTED] Data Spec. 1171.
7. [REDACTED] Records and Support Documents.
8. [REDACTED] Records
9. [REDACTED] Reports.
10. Equipment Documents and Support Documents as Needed.
11. Calibration Documents.
12. Discrepancy Reports and Log (8807).
13. Discrepancy Reports and Log (8802).
14. HPT Modification Reports and Log.
15. Welder Certifications.
16. Material Certifications.
17. Class I Purchase Orders.
18. 8807 Inspection Reports and Log.
19. 8802 Inspection Reports and Log.
20. Quality Manuals Old and New Revisions.
21. Procedures Old and New Revisions.
22. Quality Assurance Audits.

THE
OWARD P. FOLEY
COMPANY
P. O. BOX 327
AVILA BEACH, CALIF.
93424
805-595-2322

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Canadian Subsidiary:
EDMONTON, ALBERTA

We suggest the following sequence for turnover. Unit I documents listed as items (1-9) be turned over first. The remaining Unit I documents listed as items (10-22) to be turned over with Unit II documents listed as items (1-22).

Sincerely,
ORIGINAL SIGNED BY:
LAMOYNE E. ADDLEMAN
LAMOYNE E. Addleman
Project Manager



THE
HOWARD P. FOLEY
COMPANY

UNIT I and II

1. Raceway Inspection Work Sheets
2. Support Inspection Work Sheets
3. Termination Inspection Reports
4. Jumper Terminations
5. Equipment Documents
6. Wire Pull Inspection Reports
7. Heat Trace Inspection Data Spec. 1171
8. Circuit Installation Records
9. Circuit Termination Records
10. Box Inspection Reports
11. Calibration Documents (Last Calibration Only)
12. Discrepancy Reports & Log (8807)
13. Discrepancy Reports & Log (8802)
14. HPF Modification Reports & Log
15. Welder Certifications
16. Material Certifications
17. Class I Purchase Orders
18. All Welding Documentation
19. 8807 Inspection Reports & Log
20. 8802 Inspection Reports & Log
21. Quality Manuals old & new revisions
22. Procedures old and new revisions
23. Q.A. Audits



THE
HOWARD P. FOLEY
COMPANY



REVIEWED with
R. Wilson on 8-2-83 JF
Copy to GARY Boling 8-2-83 JF

July 29, 1983

TO: Gary Boling/Doc. Analyst

FROM: Jim Thompson/Q.A. Manager

RE: Your July 25, 1983 Memo
Qualification/Certification

The following is in response to your questions:

A.1 It is within the scope of your review to determine if inspectors were certified by discipline to perform inspections. During the time period from 9-12-79 through 4-25-80, QP-5422-6, Rev.0 was effective for Civil Inspections (Spec. 5422) only. There was a time period when inspector certification was not procedurally required prior to 9-12-79 and from 4-25-80 thru 3-2-81. From 3-2-81 through 12-7-82, QCP-6, Rev.4 was applicable for certification requirements by discipline for all inspection personnel. Finally, on 12-7-82 QCP-6A, Rev.0 was implemented for certification of inspection personnel by levels. Current practice is to certify inspection personnel by level and discipline. An outline defining and classifying inspection discipline has been developed for clarification (attached).

A.2 Prior to 12-7-82, there was no procedural requirement for inspectors to be leveled. For the time period from 12-7-82 through 3-17-83, NCR 8802-824 was written identifying and dispositioning certification problems for inspectors. Therefore, it would be proper to review inspection documentation for level and discipline after the initiation of NCR 8802-824 (3-17-83).

According to ^{current H-30} guidelines, ~~from P.G.6 B.~~ a Level I Inspector may sign certain inspections without a review or co-signature by a Level II Inspector (see attached). For the purposes of this document review, look for a Level II signature on all inspections.

B.1 It is not permissible for an individual with only a visual weld certification to sign for the final electrical support or raceway installation inspection.

THE
HOWARD P. FOLEY
COMPANY

P. O. BOX 327,
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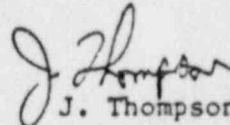
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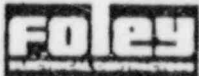
EDMONTON ALBERTA

(Continued)

- C.1 Some inspectors may have been doing multi-discipline inspections prior to 3-17-83. Since NCR 8802-824 covers the time period from 12-7-82 through 3-17-83 it is only necessary to be concerned with 3-2-81 through 12-7-82 when QCP-6, Rev.4 was effective.
- C.2 A comprehensive listing of these people is not currently available. An attempt is being made to provide a listing of these personnel and will be made available upon completion.


J. Thompson
Q.A. Manager

JT:cw



THE
HOWARD P. FOLEY
COMPANY

INSPECTION SERVICES

Electrical Inspections:

Inspections relating to cabling, supports, cable joints, cables, wirepulling, terminations, junction and connection boxes, electrical concrete enclosures, and equipment installation.

Mechanical Inspections:

Inspections relating to H.V.A.C., supports, concrete anchors, plant rotating equipment, and equipment and valve maintenance.

Instrumentation Inspections:

Inspections relating to tubing, small bore piping, pneumatic testing, test witnessing, brazing, and related instruments.

Civil Inspection (Structural):

Inspections relating to fabrication, installation, and bolting of structural steel, including concrete anchors.

Civil Inspection (Concrete):

Inspections relating to concrete, reinforcing steel, grouting, and plastering.

Receiving Inspection:

Inspections relating to receiving and storage of materials.

Visual Welding:

Inspections relating to visual examinations of welds and welder qualifications.

Visual Welding (Structural):

Inspections relating to structural steel and reinforcing steel.

Visual Welding (Electrical):

Inspections relating to electrical supports, and ground pads.

Visual Inspection (Piping):

Inspections relating to piping, supports, and related equipment.

Inspections

Level I Inspectors may perform inspections which include the necessary coordination in accordance with applicable procedures and instructions.

Level I Inspectors may perform inspections which include the necessary coordination in accordance with applicable procedures and instructions.

- Dimensional checks of fabricated items
- Dimensions of fit up and preparation for welding
- Temperature measurements
- Line and grade dimensions from predetermined offsets
- Torque measurements and verifications. (Including adjustments of the inspection wrench on the skidcore.)
- Dimensional checks of installation locations
- Wire pull tension measurements
- Calibrations of devices utilized by construction (ie. crimpers, strippers, etc.) in accordance with written instructions
- In-process anchor bolts
- Conduit installation including changes
- Wire pulls
- Work Request Reverification
- Verification of deleted supports
- Verify core drills

A Level I Inspector cannot perform inspections that require judgment and experience to evaluate the results of observations.

Example of the type of inspection requiring a Level II.

- Evaluate of weld contour
- Inspection of soldered connections
- Root pass and final weld pass inspection
- Concrete placement
- Soil compaction
- Evaluation of test results
- Electrical testing
- Electrical split

CONFIDENTIAL



DATE: July 25, 1983

INTER-OFFICE MEMO

TO: Jim Thompson/Q.A. Manager
FROM: Gary Boling/Document Turnover Section
SUBJECT: Qualification/Certification Questions

- A. QAI-1 Rev. 0 Para. 4.1.3 requires that "All hold points indicated within package have been signed off by Q.C. Inspectors." Is it within scope of Administrative Review to:
1. Review documentation to determine if inspector was classified in correct discipline to perform inspection?
2. Review documentation to determine if inspector was certified/qualified to appropriate level per signature list? If this is the case what criteria is to be utilized to determine which inspections can be performed and signed for by what levels of inspectors?
B. Exclusive Electrical Question) - Inspector classification defines:
1. "Electrical Inspection" - As "Inspections relating to raceways, and associated supports...."
7B. "Visual Welding (Electrical)" - As "Inspections relating to electrical supports..."

Is it permissible for an inspector classified as 7B to sign for a complete support installation or must they also be classified as 1?

- C. Is there a time period where Inspectors were doing multi-discipline inspections?
1. If so what time frame?
2. Can we obtain a listing of these multi-discipline people?

GARY BOLING
Document Turnover Section

THE HOWARD P. FOLEY COMPANY

P. O. BOX 327, AVILA BEACH, CALIF. 93424 805-595-7377

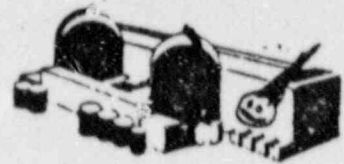
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Selected Subsidiary

EDMONTON, ALBERTA

Diablo Canyon Project



PACIFIC GAS AND ELECTRIC COMPANY
BECHTEL POWER CORPORATION

June 22, 1983

Mr. Paul J. Bourque
Project Director
The Howard P. Foley Company
P. O. Box 327
Avila Beach, CA. 93424

SUBJECT: Procurement of Materials

Dear Mr. Bourque:

The Howard P. Foley Company is hereby requested to submit all purchase orders for Class 1 material to the appropriate Project Team Resident Engineer for Approval. This does not include material that is purchased as Off-the-Shelf Commercial Grade items. We are aware that the Howard P. Foley Company is presently upgrading Quality Control Procedure QCP-2, which will give more definitive guidance concerning this subject, but until the procedure is approved this interim action is required.

Material that is Class 1 and not considered Off-the-Shelf Commercial Grade shall be purchased from qualified suppliers whose quality assurance program has been approved by the Pacific Gas and Electric Company. The Howard P. Foley Company shall submit to Pacific Gas and Electric Company the attached "Supplier Approval Request for Non-Commercial Grade Items" for each supplier of Class 1 item which must be manufactured per an approved quality assurance program. Upon Pacific Gas and Electric Company's verification that the supplier can be qualified, the form will be approved and returned.

The attached internal Pacific Gas and Electric Company letter will give interim guidance on what is considered Off-the-Shelf Commercial Grade.

PROJECT DIRECTOR'S

Original: *File*

Copies:

P. BOURQUE, PI
S. MOSES, Sr.
G. CROWN, Mgr
R. WILSON, Dir
F. LEE, Sched. A
C. NEEDHAM, Ef
J. JOHNSON, Asst
D. GOGGIN, Sr
E. ALDRIDGE

Action By: *Angelo*

Date Due:

Comments?

RECEIVED
QUALITY ASSURANCE

JUL 06 1983

DCC 4508

HOWARD P. FOLEY CO.
P. O. Box 327
Avila Beach, CA

117, Avila Beach, Ca.

Thank you in advance for your prompt attention to this matter.

R. D. Etzler Jr

D. A. Rockwell
Assistant Project Superintendent

DARockwell/WEC:kdg

Response required: No

cc: J. R. Manning
J. W. Shryock
R. D. Etzler
E. J. Macias
R. R. Lieber
G. T. Glascock
W. E. Coley
R. L. Meredith
J. Arnold
F. M. Russell
D. F. Lent
R. G. McInerney

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QUALITY ASSURANCE

JUL 06 1984

HOWARD P. FOLEY CO.
Avila Beach, CA

DCC 4508

THE HOWARD P. FOLEY COMPANY
SUPPLIER APPROVAL REQUEST
FOR
NON-COMMERCIAL GRADE ITEMS

3-11-84

TO:

DATE:

ATTENTION:

FROM:

SPECIFICATIONS:

SUPPLIER:

SUPPLIER'S PRODUCTS:

RECEIVED
QUALITY ASSURANCE

JUL 06 1984

HOWARD P. FOLEY CO.
Avila Beach, CA

CLASS 1

NON-CLASS 3 / Q.A. REQUIRED

Project Manager/Date

- LISTED EXCEPTIONS OR COMMENTS -

DCC 4598

FIG. 1 F.T.S. APPROVAL

5/7/84

FG&E

FOR INTRA-COMPANY USE

From Division or Department: **QUALITY ASSURANCE**

File No: **505.2**

RE LETTER OF SUBJECT: **Off-the-Shelf Commercial Grade Items and Certificates of Conformance**

To Division or Department: **GENERAL CONSTRUCTION - DC**

March 31, 1983

(PS) SJ
 APS ER
 (CPL) WR
 GS CR
 ADM (CC)
 ES DC
 SDH SC
 SEC
 OTHER _____

MR. R. D. ITZLER:

Attention Mr. J. R. Bratton

This letter supersedes my letters of October 2, 1980 and December 19, 1980 on off-the-shelf commercial grade items. Several procurement documents which have been forwarded to us by the Materials Department and recent conversations with Materials and Diablo Canyon site personnel on ordering off-the-shelf commercial grade items which may require Certificates of Conformance indicate that further clarification is needed on this subject. We, therefore, offer the following clarification regarding off-the-shelf commercial grade items and the use of Certificates of Conformance:

ANSI N45.2.13, Section 10.3.2 gives the following guidance for items that can be accepted solely by receiving inspection (a qualified supplier is not required):

"Acceptance solely by receiving inspection is satisfactory when the items or services are -

- a. relatively simple and standard in design, manufacture, and test; and
- b. adaptable to standard or automated inspections and/ tests of the end product to verify quality characteristics after delivery; and
- c. such that receiving inspection does not require operations which could adversely affect the integrity, function, or cleanliness of the item."

RECEIVED
QUALITY ASSURANCE

JUL 06 1983

HOWARD P. FOLEY CO.
Avila Beach, CA

Items which meet these requirements are items that FG&E considers "off-the-shelf commercial grade" items that may be purchased as nonsafety-related and then qualified as safety-related through the controlled receiving inspection process by a qualified inspector. It is the responsibility of the specifying engineer to determine whether or not an item meets these criteria and to specify the necessary receiving inspection requirements for the item.

DCC 4508
 DCC 2909

ANSI N45.2.13, Paragraph 10.3.3, allows a PORTION of the receiving inspection process for such "off-the-shelf commercial grade" items to be based solely on a Supplier's Certificate of Conformance that the specified requirements have been met. Because these items are to be purchased as nonsafety-related, the requirements for this type of Certificate of Conformance should be that the item delivered is the exact item ordered, or is equal to, or is better than the exact item ordered. A request for this type of Certificate of Conformance can be requested on the face of the material requisition or EMI and does not require the quality plan form or instructions to supplier form, or any other forms to be attached to the requisition or EMI.

If the specifying engineer finds that an item requires a Certificate of Conformance which states that a code, regulation, industry standard (such as ASTM, IEEE, ASME, etc.), or PGandE specification, or some specific quality program has been met, then the item must be purchased as safety-related and must be purchased from a qualified supplier. In that case, the requirements of Section 10.2 of ANSI N45.2.13 on Certificates of Conformance will apply. These requirements are:

"Where certificates of conformance are used, the following minimum criteria shall be met:

- a. The certificate should identify the purchased material or equipment, such as by the purchase order number.
- b. The certificate should identify the specific procurement requirements met by the purchased material or equipment, such as codes, standards, and other specifications. The procurement requirements identified should include any approved changes, waivers, or deviations applicable to the subject material or equipment.
- c. The certificate should identify any procurement requirements that have not been met.
- d. The certificate should be attested to by a person who is responsible for this quality assurance function and whose function and position are described in the Purchaser's or Supplier's quality assurance program.
- e. The certification system should be described in the Purchaser's or Supplier's quality assurance program.
- f. Means should be provided to verify the validity of Supplier certificates and the effectiveness of the certification system, such as during the performance of audits of the Supplier or independent inspection or test of the items. Such verifications should be conducted by the Purchaser at intervals commensurate with the Supplier's past quality performance.

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QUALITY ASSURANCE

JUL 10 1983

HOWARD P. FOLEY CO
Avila Beach, CA

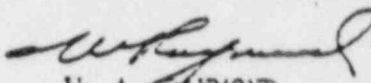
DCC 4598
DCC 2999

Mr. R. D. Etzler

-3-

March 31, 1983

In order to comply with paragraphs d, e, and f of the above, PGandE must review the supplier's quality manual and audit the implementation of the supplier's quality program.

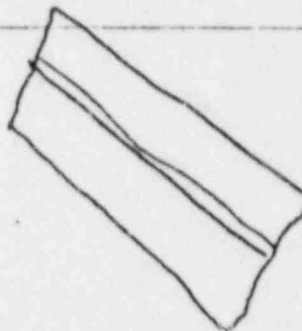

W. A. RAYMOND

TGU/DSAaron(3020):rr

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QUALITY ASSURANCE

JUL 06 1984

HOWARD P. FOLEY CO.
Avila Beach, CA



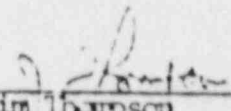
DCC 4598
DCC 2969

Date: 09-20-83

INTER-OFFICE MEMO

FROM: QA Manager/Jim Thompson
TO: Document Turnover Supervisor/Don Shealy
SUBJECT: Policy Letters from Rick Wilson

The attached memos, dated 09-20-83, were received from the Quality Director/Rick Wilson on September 20, 1983 to be used as policy decisions in your review of Purchase Orders.



Jim Thompson
QA Manager

2 Attachments:

- Inter-Office Memo, "Weld Rod Certifications", 09-20-83, from Rick Wilson
- Inter-Office Memo, "Purchase Order Review (Approved Vendors)", 09-20-83, from Rick Wilson

THE
EDWARD P. FOLEY
COMPANY
P. O. BOX 307,
VILA BEACH, CALIF.
93424
805-595-7377

Offices

ANTOWN PENNSYLVANIA
BALTIMORE, MARYLAND
CHICAGO, ILLINOIS
DALLAS, TEXAS
HISBURG, PENNSYLVANIA
HOUSTON, TEXAS
LOS ANGELES, CALIFORNIA
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MEMPHIS, TENNESSEE
MOBILE, ALABAMA
PHILADELPHIA, PENNSYLVANIA
PHOENIX, ARIZONA
PITTSBURGH, PENNSYLVANIA
RICHMOND, VIRGINIA
SALT LAKE CITY, UTAH
TAMPA, FLORIDA
TUCSON, ARIZONA
WASHINGTON, D.C.

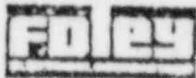
ESTABLISHED BY
TIMOTHY A. BIRIA

TO: Jim Thompson, Q.A. Manager
FROM: Rick Wilson, Quality Director
SUBJECT: Weld Rod Certifications
DATE: September 20, 1983

There have been several questions concerning the use of typical vs actual weld rod CMTR's.

Please be advised that our project specifications do not require actual certifications. The requirement for actual chemical and physical certifications is contained in the ASME Code Section II and III. Howard P. Foley does not perform any work to the ASME Code thus that requirement does not apply.

RW:tt



THE
HOWARD P. FOLEY
COMPANY

TO: Jim Thompson, Q.A. Manager

FROM: Rick Wilson, ^{cut} Quality Director

SUBJECT: Purchase Order Review (Approved Vendors)

DATE: September 20, 1983

There are several types of purchases which do not require that a vendor be surveyed and approved by Quality Assurance.

1. Items which are specified by brand name in the design documents may be purchased from any available source. The manufacturer is considered approved.
2. Commercial grade items (those which are commonly stocked as shelf items by commercial distribution and do not require certified test reports or other backup inspection data) do not require approval by Quality Assurance for purchase activity.

The procedures have not properly incorporated this information thus, many procurements are at this time questionable. In cases where item one and/or two apply the procurement is acceptable and meets the requirements of our contract. Place a copy of this memorandum in the P.O. folder.



THE
HOWARD P. FOLEY
COMPANY

THE HOWARD P. FOLEY COMPANY
DOCUMENT DEFICIENCY NOTICE

ITEM IDENTIFICATION: Purchase Orders

DATE: 12/14/85

LOCATION/UNIT: 0

REVIEWER: LSK

DEFICIENCY DESCRIPTION: D-D

This DDN serves as a blanket DDN in which the info. required back-up documentation to be a letter of Conformance/compliance.

McMaster-Carr Company is not on the approved vendor's list. The purchase orders in question are recently closed and are ready for Document Turnover review.

Reference QCP 2A RWO section 4.4 page 2 part C page 3. Does this section and part of QCP 2A RWO approve this vendor for class I material procurement?

Laurie Barger 12-14-85
(SIGNATURE) (DATE)

DEPARTMENT: QAE

INDIVIDUAL: Jon Rothstein

CORRECTIVE ACTION: AA

Yes, for off-the-shelf catalog type items.

TATIS CODE: C-151-C-05



October 17, 1983

INTER-OFFICE MEMO

TO: J. Thompson

FROM: L.R. Wilson

SUBJECT: Mechanical Signatures

Section 1-201(39) of the Uniform Commercial Code defines (signed) to include "any symbol executed or adopted by party with present intention to authenticate a writing."

It is H.P. Foley's contention that any document bearing a manufacturer, vendor or supplier's name or symbol (logo) will be considered signed.

Sincerely,

L.R. Wilson
Quality Director

*DOC. REVIEWER HAS NO HAS A
PROBLEM BUT LEAVE MAIN Q:
SUGGEST MORE REVIEW TO
SPECIFY WHAT IS FOR THE SIGN !!*

THE
HOWARD P. FOLEY
COMPANY

P. O. BOX 327,
AVILA BEACH, CALIF.
93424
805-595-7377

Offices

- ALLENTOWN, PENNSYLVANIA
- BALTIMORE, MARYLAND
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- SALT LAKE CITY, UTAH
- TAMPA, FLORIDA
- TUCSON, ARIZONA
- WASHINGTON, D.C.

Canadian Subsidiary

EDMONTON, ALBERTA

Bethlehem Steel Corporation

PACIFIC COAST DIVISION

DISTRICT SALES OFFICE: 8055 EAST WASHINGTON BOULEVARD
MAIL: BOX 2339

LOS ANGELES, CA 90051

JOHN D. DUE
MANAGER OF SALES
E. P. VALLEY
ASSISTANT MANAGER OF SALES
C. T. DOOLEY
CONFIDENTIAL MANAGER

PHONE: 755-0111
AREA CODE 213



December 1 1979

Tell Steel Inc.
2345 W. 17th St.
Long Beach, CA 90813

Attn: Mr. Richard Campbell

Subject: Signed Test Reports

Gentlemen:

We quote the following from our legal department:

"Section 1-201(39) of the Uniform Commercial Code defines 'signed' to include 'any symbol executed or adopted by party with present intention to authenticate a writing' (emphasis added.) The Official Comments by the drafters of the Code provide further enlightenment as to when a commercial document is 'signed,' to wit:

'The inclusion of authentication in the definition of 'signed' is to make it clear that as the term is used in this Act a complete signature is not necessary. Authentication may be printed, stamped or written. No catalog of possible authentications can be complete and the court must use common sense and commercial experience in passing upon (the question of what constitutes a 'signed document'). The question always is whether the symbol was executed or adopted by the party with present intention to authenticate the writing.'
(Emphasis added.)

"Our commercial practice is to use extensively stamped and typed signatures in the preparation of commercial documents, e.g., our Acknowledgment bears the mechanically affixed signature of 'J. B. Dougherty, General Manager of Sales.'

"It is our opinion that Section 1-201(39) of the Code supports our position that our mill test reports are legally 'signed' and are enforceable documents, notwithstanding the use of a typed signature. The name of our

Bethlehem Steel Corporation

Tell Steel Inc.
Mr. Richard Campbell

-2-

December 13, 1979

Chief Metallurgist has been typed on each report with the present intention to authenticate the report. Each report is submitted on 'Bethlehem Steel Corporation' letterheads. The fact that we use 'typed signatures' merely as a labor and time saving practice does not permit disavowal by Bethlehem as to the accuracy, validity, and legal enforceability of mill test reports so 'signed'."

If you have any questions, please do not hesitate to contact us.

Very truly yours,

BETHLEHEM STEEL CORPORATION
PACIFIC COAST DIVISION
J. D. Gee, Manager of Sales

By: *John C Childress*

JCChildress/dv

RECEIVED
QC

DEC 20 1979

HOWARD P. FOLEY CO.
Avila Beach, Calif.

THE HOWARD P. FOLEY COMPANY
RECEIVING DOCUMENTATION
REVIEW

Procurement

File Number	Date Reviewed		
	Yes	No	N/A
I. PRELIMINARY REVIEW			
A. Is a copy of the Purchase Order attached and complete?	---	---	---
B. Is a copy of the Material Requisition attached and complete (where applicable)?	---	---	---
C. Is a copy of the Receiving Inspection Report attached and complete?	---	---	---
D. Is a copy of the Letter of Compliance/Conformance attached and complete?	---	---	---
E. Is a copy of the Certificate of Compliance attached and complete (where applicable)?	---	---	---
F. Is a copy of the Certified Material Test Report attached and complete?	---	---	---
G. Is a copy of the Packing Slip attached?	---	---	---
II. INTERIM REVIEW			
A. Does the Letter of Compliance/Conformance reference the correct P.O., items, and/or Packing Slip?	---	---	---
B. Does the Certificate of Conformance reference the correct P.O., items, manufacturer/code/test requirements, and/or Packing Slip?	---	---	---
C. Does the Certified Material Test Report reference the correct material (size), type, heat number, and/or code requirements?	---	---	---
III. FINAL REVIEW			
A. Have discrepancies noted on the Receiving Inspection Report been resolved?	---	---	---
B. Have discrepancies noted on this worksheet been resolved?	---	---	---
C. Remarks:	---	---	---

INFO ONLY

Reviewed By

1/17/84

ELECTRICAL CHANGE ORDERS:

#	COMMENT	
Open: E-14 (Circuit # K10-366)	Deleted from Panel	OK
E-16 (Circuit # K6072)	RIS # 4577	OK
286 (Circuit # K8763)	C.O. NOT IN RAINMAN FILE UNDER 2-1	
	RIS IS IN PRG	
626 (Circuit # K7378, K7675)	RIS IS IN PRG	OK
698 (Circuit # K8685, K8686)	" " " "	OK
564 (Circuit # K7929)	INDEXED + RIS	OK
Closure: 902 (K7246, K7247)	200KCO + RIS #511, 512	OK
922 (K1993, K1994)	" " " "	
	SIS (MAY BE UNDER 2-1)	
	(MAY BE UNDER 2-1)	
958 (K8786)	INDEXED + RIS	OK
987 (K1817)	N. RAINMAN FILE, FOUND BY	OK
	ARMANDO	
1737 (K2490)	200KCO + INDEXED	OK

ELECTRICAL CHANGE ORDERS STILL

OPEN (BY CHANGE FROM LOG)

STILL OPEN IN VAULT

<u>CHANGE ORDER #</u>	<u>DATE OPENED</u>
✓ E- 14	6/20/75
✓ " 15	
✓ " 16	
✓ " 34	7/2/75
✓ " 53	8/21/75
✓ " 54 - 58	8/21/75
✓ " 59	
✓ 14	12/18/74
✓ 33, 34	1/13/75
✓ 40	1/13/75
✓ 72	1/31/75
✓ 73	1/31/75
✓ 75	2/10/75
✓ 78	2/7/75
✓ 82	2/12/75
✓ 88, 89	2/27/75
✓ 92, 93	2/27/75
✓ 95, 98	3/5/75
✓ 108	3/12/75
✓ 129	3/24/75
✓ 131, 132	3/22/75
✓ 133	3/21/75
✓ 136	4/2/75

CHANGES DEGREE LOG

<u>#</u>	<u>DATE</u>
✓ 153, 155	4/16/75
✓ 161, 162, 163	4/21/75
✓ 164	4/22/75
✓ 166 - 170	4/22/75
✓ 182 - 185	4/24/75
✓ 187 - 190	4/24/75
✓ 192, 193	4/24/75
✓ 199 - 202	4/20/75
✓ 254 - 259	5/19/75
✓ 262 - 265	5/23/75
300 - 313	6/26/75
418	10/2/75
420	10/3/75
422	10/2/75
423	10/7/75
431, 472	10/16/75
496	11/17/75
497	11/18/75
501	12/3/75
559	1/15/76
580	1/19/76
583	1/20/76
564	1/19/76
565	1/22/76

THE HOWARD P. FOLEY COMPANY
CIVIL DOCUMENTATION
REVIEW

C-6181

Work Initiating Document

Package I.D.

YES NO N/A

I. PRELIMINARY REVIEW

- A. Are documents listed on the index in the package? ____
- B. Has the index been signed for Phase I review? ____
- C. Is the Work Initiating Document referenced or attached and complete? ____
- D. Is the latest Work Process Traveler attached and complete? ____
- E. Are supplements attached to the Traveler and complete (where applicable)? ____

II. INTERIM REVIEW

- A. Is the as-built or drawing included and Phase I reviewed? ____
- B. Were the required inspections completed and documented? ____

III. FINAL

- A. Have discrepancies noted on Inspection Reports been resolved? ____
- B. Have discrepancies noted on this worksheet been resolved? ____

C. Remarks:

Reviewed By

Date

THE HOWARD P. FOLEY COMPANY
PROCUREMENT QUALITY NOTES

- Note No. 1: Items _____ of this Purchase Order contain material requiring Quality verification by the Purchaser at receipt.
- Note No. 2: A letter of Conformance is required from Supplier for acceptance of Items _____.
- Note No. 3A Certificate of Compliance.
- Note No. 3B Certified Test Report (Tests must be specified on purchase requisitions; e.g., bend tests, charpy "V" notch, galvanizing, etc.)
- Note No. 3C Certified Material Test Reports (physicals and chemicals in accordance with an ASTM Standard), is/are required for acceptance of Items _____.
- Note No. 4A "Typical" Certificate of Compliance.
- Note No. 4B "Typical" Certified Material Test Report is/are required for acceptance of Items _____.
- Note No. 5: The Howard P. Foley Company and/or the Pacific Gas and Electric Company shall have the right to conduct Quality Assurance and/or control audits and inspections at any time during production and testing as may be deemed necessary.
- Note No. 6: DO NOT SHIP MATERIAL without compliance to these notes!
- Note No. 7: All material must be domestic unless otherwise specified.
- Note No. 8: BECAUSE THIS PURCHASE ORDER CONSISTS OF MATERIAL REQUIRING QUALITY ASSURANCE TO BE USED ON A NUCLEAR POWER PLANT, IT MUST CONFORM TO TITLE 10 OF THE CODE OF FEDERAL REGULATIONS PART 21 (TITLE 42 OF U.S.C.A. SEC. 5846) AS OUTLINED IN THE ENCLOSED ATTACHMENT A.

THE HOWARD P. FOLEY COMPANY
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