PDM

ENGINEERS / FABRICATORS / CONSTRUCTORS

CABLE: PITTDEMOIN
TELEX: 866-434
TWX: 710-864-3058

PITTSBURGH-DES MOINES STEEL COMPANY

NEVILLE ISLAND ■ PITTSBURGH, PENNSYLVANIA 15225 ■ PHONE: (412) 331-3000

October 26, 1979

United States Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington TX 76012

Attention: Mr. Uldis Potapous,
Chief Vendor Inspection Branch

Reference: Docket 99900109/79-01

Dear Sir,

In response to your letter of August 15, 1979, the additional information needed in regards to Item C is attached.

In summary, PDM has obtained the approval from the A/E's for the electrical wiring used in the airlocks.

If you have any questions concerning our response, we will be pleased to discuss them with you.

Sincerely,

PITTSBURGH-DES MOINES STEEL COMPANY

A. J. Mueller

A. J. Mueller,
Eastern Division QA Manager

AJM/nf

cc: G. Harper

1431 291

FORM 7010

PITTSBURGH-DES MOINES STEEL COMPANY

COMPANY CORRESPONDENCE

SUBJECT NRC Audit - 5/79

PITTSBURGH, PA

ATTENTION OF B. J. Hughes

October 2, 1979
JFS-79-105

REFER TO J. F. Strunk

COPIES TO G. L. Fisher
R. N. Watson
H. J. Paraska
K. D. Eichner

15 JFS

In response to the NRC's 8-16-79 letter from Uldis Potapovs, the following action has been completed:

1. Contract 15675/15676

   PDM notified Bechtel by letter on 8-21-79 (CLB-152-1788) of the NRC concern with the procurement of the airlock wiring. On October 2, 1979, Bechtel approved ECAR 15675-125 (see attached) which addressed the NRC concern on the flame resistance of the airlock wiring. Bechtel, therefore, concurs that the wiring purchased meets the requirements of its Design Specification.

2. Contract 14693/14694

   PDM notified United Engineers & Constructors, Inc. by letter on 8-28-79 (PMUE-79-5060) of the NRC concern with the procurement of airlock wiring. UE&C reviewed our letter and verified (see attached) that PDM's wiring meets the radiation dosage requirement of the contract specifications.

JFS/cjp

Attachment

ADVANCE COPY

AUG 31 1979

SUPPLIER DOCUMENT REVIEW

1. [X] Work may proceed per PO/contract provisions.
2. [ ] Work may proceed and final drawing be submitted per PO/contract provisions.
3. [ ] Revise and Resubmit. Work may proceed per PO/contract provisions, subject to incorporation of changes indicated.
4. [ ] Revise and Resubmit. Work may not proceed.
5. [ ] Review not required. Work may proceed per PO/contract provisions.

Permission to proceed does not constitute acceptance or approval of design details, calculations, analyses, test methods or materials developed or selected by the supplier and does not relieve supplier from full compliance with contractual obligations.

Reviewed	A	B	C	M	P	Q	JOB NO. 10855

By [signature] Date 9-28-79

BECHTEL POWER CORPORATION

DISTRIBUTION		
	REV.	DATE
SUPPLIER		
CLIENT		
FIELD		
ENGR		
CONST		
ELECTRICAL		
CONTROL		
MECHANICAL		
PROJ DES		
RECORD		

FOR BECHTEL POWER CORPORATION

1.52 (Q) 1915-1 30.0

15675-ECAR-125

THIS CODE 1 REVIEW APPLIES TO THIS ECAR (125) WHICH INCLUDES THE FOLLOWING ATTACHED LETTERS ANACONDA LETTER DATED 3-30-77 AND MOSEBACH LETTER DATED 8-24-77

BECHTEL COMMENT

POOR ORIGINAL

1431 293

COR060-OUT

bcc J. F Strunk
J G. Furjanic

August 21, 1979

CL3-152-178"

Bechtel Power Corporation
P O Box 3965
San Francisco, CA 94119

Attention Mr. H. E. Morris

Subject Airlock Wiring

References 1) FCAR - 15675-125 (6-18-79)
2) Anaconda letter dated 3-30-77
3) Rosebach letter dated 5-29-77

Gentlemen

As a result of an NRC audit of our Pittsburgh facilit , DPM QA initiated Reference 1 for engineering disposition. Please review the approved corrective action and advise if Bechtel finds the wiring and the associated documentation (References 2 and 3) in conformance with Design Specification 10755-C-152(Q).

Please repl with telex or telecop, on or before August 2[illegible], 1979 so that DPM can repl to the NRC within the allotted time.

Very truly yours,

PITTSBURGH-DES MOINES STEEL COMPANY

Robert M. Watson

Robert M. Watson
Project Engineer

RMW/cjp

Attachment

cc L. E. Rosetta
C. J. Fatch/C. F. Clark

PDM

PITTSBURGH-DES MOINES STEEL COMPANY

ENGINEERING CORRECTIVE ACTION REQUEST

CONTRACT No.	GROUP No.	PIECE MARK	ASSEMBLY
15675	WB1	—	303L

DATE ISSUED: 6-18-79

ISSUED BY: MARTIN J. SCHULLER JR

DESCRIPTION of PROBLEM:

C.A.R. No. 31655

THE LETTER OF CONFORMANCE FROM ANACONDA (CONTINENTAL WIRE AND CABLE) DATED MARCH 30, 1977 DOES NOT SATISFY THE REQUIREMENT IN THE BECHTEL SPEC 10855-C-152-Q PARAGRAPH 8.5.3.J.

RECOMMENDED CORRECTIVE ACTION:

POOR ORIGINAL

Q.A. MANAGER Martin J. Schuller Jr DATE 6-18-79

APPROVED CORRECTIVE ACTION:

See attached Sheet 2 of 2 for Approved Corrective Action.

1431 295

APPROVED BY PROJECT ENGINEER Robert N. Watson DATE 7-20-79

APPROVED BY Q.A. MANAGER Martin J. Schuller Jr DATE 7-24-79

COPIES TO:
DIVISION Q.A. MANAGER B. J. Hughes
PROJECT ENGINEER Bob WATSON
PROJECT MANAGER J. FURJANIC
Q.A. FILES PHIL SWEDA
PRODUCTION SUPERINTENDENT
AUTHORIZED [illegible] FOR ANT

TJM
MJS

SEQ 8

FCL PAGE No. 1232-3

FCAR No. 125

APPROVED CORRECTIVE ACTION FOR ECAR #125
CONTRACT 15675, HOPE CREEK, N.J., UNIT #1

The requirement of Bechtel Specification 10855-C-152(Q) Paragraph 8.5.3.J that is in question states the following:

"All Power and Control Wiring . . . . . Wiring shall be stranded copper conductor with 600 V flame resistant insulation that will pass the vertical flame resistant test in accordance with IEEE-383-74."

The wire in question is acceptable as is based on the following rationalization:

1) This section of the Bechtel Spec. applies to "Power and Control Wiring". The wiring used in PDM's standard airlock does not perform a function that would fall in this category. Therefore. this material should not have to meet this Spec requirement.

2) Furthermore, even if the wire did have to meet the requirement shown above the only section of IEEE-383-74 that the Spec. requires the wire to meet is vertical flame resistance test. A review of the Letter of Conformance shows that the wire does in fact meet the requirements of the Vertical Flame Test Section of IEEE-383-74.

ANACONDA

March 30, 1977

Pittsburgh - Des Moines Steel Co.
Neville Island
Pittsburgh, Pa. 15225

Attn; Don Eichner

Ref; Flame Retardancy Test for IEEE-383-74

Dear Mr. Eichner;

With reference to your request for a letter starting Continental's SF-2 is in compliance with the flame retardancy test for IEEE-383-74.

Our Engineering Department advises the IEEE-383 listing procedure is primarily designed for multi-conductor cables.

We are enclosing a booklet put together by Anaconda-Continental showing our test results with the IEEE-383 procedures. Section 2.5.6 of IEEE-383 is a vertical flame test for single conductors taken out of the cable, tested in the vertical tray portion of the test. SF-2 conductors do pass this part of the IEEE Standard 383.

This is the only compliance we are able to make. We realize this is not exactly what you require but it is unfortunately all we have to offer in the way of compliance.

We trust we have helped in some small way.

Sincerely,

CONTINENTAL WIRE & CABLE CORP.

B. J. Shanabrook

B. J. Shanabrook

BJS/tlh

cc; R. Frisby
H. E. Ransford Co.

Enclosure

1431 297

MOSEBACH ELECTRIC & SUPPLY
1115 Arlington Avenue - Pittsburgh, Pa. 15203 - (412) 481-2700

TO
FROM
RECD. AUG 3 0 1977
ENGINEERING DEPT.

August 26, 1977

Pittsburgh Des Moines Steel
Neville Island
Pittsburgh, PA 15225

Attn: Mr. Don Eichner

Dear Sir:

To confirm our telephone conversation please be advised SRML (Silicone rubber motor lead) cable is also referred to as type SF2 or as SRGX600 depending on the manufacturer of said cable. The above cables are equal in all respects.

Sincerely,

MOSEBACH ELECTRIC & SUPPLY CO.

Thomas A. Bandi
Inside Sales Supervisor

TAB/dc

1431 298

SUBJECT: Contract 213
WPPSS Nuclear Project Nos. 1 & 4
Airlock Wiring

REF: PMUE-79-5060

U&E reviewed your submitted Air Lock Wiring. We verified that your air lock wiring meets Specification 9779-213, Section 13C, Paragraph 2.5.9 requirements.

C. Valentenyi
Assistant Project Engineering Manager
United Engineers & Constructors Inc.

1431 299

Washington Public Power Supply System
A JOINT OPERATING AGENCY

P. O. Box 968 3000 Geo. Washington Way Richland, Washington 99352 Phone (509) 375-5000

October 8, 1979
UEPM-79-5110
File: 12.213

Mr. Eric Pennala
Project Manager
Pittsburgh-Des Moines Steel Co.
P O Box 928
Richland, Washington 99352

Dear Mr. Pennala:

WPPSS Nuclear Project Nos. 1 & 4
Contract No. 9779-213
Fabricate and Erect Containment Liner
Personnel Airlock Wiring

Reference: PMUE-79-5060, August 28, 1979

The Supply System has determined the airlock wiring referenced in the above letter is sufficient to meet the specifications of Section 13.3-2.5.9 of the 213 Contract.

Very truly yours,

R. S. Millne
Deputy Project Manager

RSM:RMM:mam

cc: BD Redd, United Engineers & Constructors
CR Bryant, Bonneville Power Administration