

DOCKETED
USNRC

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

'83 DEC 23 A10:01

In the Matter of)

Philadelphia Electric Company)

(Limerick Generating Station)
Units 1 and 2))

Docket Nos. 50-352
50-353

APPLICANT'S ANSWERS TO
INTERVENOR AWPP'S THIRD SET OF
INTERROGATORIES ON QUALITY ASSURANCE/CONTROL

DISCOVERY 17
December 19, 1983

8312270115 831219
PDR ADOCK 05000352
G PDR

7503

Interrogatory No. 1

Provide names of Licensee, Contractor, and NRC inspectors and welders who are indicated in all safety related welding deficiency or infraction reports or notices, so that Applicant can provide depositions and/or affidavits.

Answer

The names of the Licensee and Contractor Inspectors and welders who are indicated on NRC Inspection reports by the NRC and who were involved with safety-related welding deficiencies or infractions are listed on the attached sheets adjacent to the associated NRC Inspection Report numbers. The names listed were compiled by reviewing the inspection reports and records associated with the work and eliminating those individuals who would not normally be involved with welding. The NRC Inspection Reports listed were compiled by reviewing the NRC Inspection Reports provided in Discovery 14, Item 1 and Discovery 15, Item 1 and eliminating those not identifying safety-related welding infractions involving weld defects, violations of welding procedure specifications by welders, or inadequate welding inspection.

Participants in Preparation of Answer

Vincent S. Boyer, Senior Vice President - Nuclear Power
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

D. T. Clohecy
Quality Assurance - Engineer
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

G. Lauderback
Quality Assurance - Engineer
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

DISCOVERY 17

ANSWER INTERROGATORY NO. 1.

<u>REPORT NO.</u>	<u>NAME</u>	<u>COMPANY</u>	<u>POSITION</u>
352/76-07	J. M. Corcoran	PECO	Site QA Engineer
	D. A. Marascio	PECO	QA Engineer
	E. R. Klossin	BPC	Lead Site QA Engineer
	A. D. Toth	NRC	Reactor Inspector
	J. P. Durr	NRC	Reactor Inspector
353/76-06	J. M. Corcoran	PECO	Site QA Engineer
	J. T. Robb	PECO	QA Engineer
	E. R. Klossin	BPC	Lead Site QA Engineer
	M. Brown	BPC	Proj. Field QC Engineer
	K. Bishop	BPC	QC Welding Engineer
	V. Ferretti	BPC	QC Engineer - Welding
	M. Greenidge	BPC	Area 1 - Engineer Construction Supervision
	J. Johanson	BPC	Area 1-Structural Engineer
	J. Windsor	BPC	Area 1-Structural Steel & Rigging Super.
	R. Seisle	BPC	Foreman-Ironwork
	G. P. Auclair	BPC	Welder IU-1
	A. D. Toth	NRC	Reactor Inspector
352/ 353/77-12	W. T. Baxter	PECO	QA Engineer
	D. A. Marascio	PECO	QA Engineer
352/ 353/77-12	T. Altum	BPC	Lead Welding Engineer
	R. J. Baldwin	BPC	QA Engineer
	N. Confuorto	BPC	QC Engineer
	W. A. Driver	BPC	Asst. Lead QC Eng.-Welding
	E. R. Klossin	BPC	Lead Site QA Engineer
	R. Lamley	BPC	Asst. Proj. Field QC Eng.
	M. Norm	BPC	QC Engineer-Welding
	R. E. Sevo	BPC	QA Engineer
	T. J. Waters	BPC	QC Engineer - Welding
	A. D. Toth	NRC	Reactor Inspector
	A. N. Fasano	NRC	Reactor Inspector

ANSWER INTERROGATORY NO. 1

<u>REPORT NO.</u>	<u>NAME</u>	<u>COMPANY</u>	<u>POSITION</u>
352/78-08	J. M. Corcoran	PECO	Field QA Branch Head
	D. T. Clohecy	PECO	QA Engineer
	D. DiPaolo	PECO	QA Engineer
	T. Altum	BPC	Lead Field Welding Engineer
	M. Baron	BPC	Field Welding Engineer
	T. Fallon	BPC	Asst. Proj. Field QC Eng.
	H. D. Foster	BPC	Proj. Field QC Engineer
	E. R. Klossin	BPC	Proj. QA Engineer
	J. P. Durr	NRC	Reactor Inspector
352/79-11 353/79-10	J. M. Corcoran	PECO	Field QA Branch Head
	F. Gloeckler	PECO	QA Engineer
	T. Altum	BPC	Lead Field Engineer
	T. Fallon	BPC	Asst. Proj. Field QC Eng.
	H. Gilbert	BPC	QC Engineer
	G. Kelly	BPC	QA Engineer
	E. R. Klossin	BPC	Proj. QA Engineer
	M. Norm	BPC	QC Engineer
	T. Waters	BPC	Lead QC Engineer
	T. Lewis	Schneider Sheet Metal Co.	Lead QC Engineer
	J. C. Mattia	NRC	Reactor Inspector
352/80-03	J. M. Corcoran	PECO	Field QA Branch Head
	R. Zong	PECO	Senior Metallurgical Eng.
	T. Altum	BPC	Lead Welding Engineer
	L. Campbell	BPC	Field Welding Engineer
	B. Dragon	BPC	QA Engineer
	J. Fallon	BPC	Asst. Proj. Field QC Eng.
	H. Foster	BPC	Project Field QC Eng.
	E. R. Klossin	BPC	Project QA Engineer

ANSWER INTERROGATORY NO. 1

<u>REPORT NO.</u>	<u>NAME</u>	<u>COMPANY</u>	<u>POSITION</u>
352/80-02	J. M. Corcoran	PECO	Field QA Branch Head
	D. Marascio	PECO	Construction Engineer
	T. Altum	BPC	Welding Supervisor
	L. Campbell	BPC	Welding Engineer
	B. Dragon	BPC	QA Engineer
	T. F. Fallon	BPC	Asst. Proj. Field QC Eng.
	H. D. Foster	BPC	Proj. Field QC Eng.
	D. Gallino	BPC	Pipe Hanger Engineer
	E. R. Klossin	BPC	Project QA Engineer
	V. Mehta	BPC	Piping Engineer
	M. Norm	BPC	Asst. Lead QC Welding Eng.
	T. Waters	BPC	Lead QC Welding Engineer
	J. C. Mattia	NRC	Reactor Inspector
352/80-05	J. M. Corcoran	PECO	Field QA Branch Head
353/80-05	D. T. Clohecy	PECO	QA Engineer
	T. Altum	BPC	Super. - Field Welding
	M. Baron	BPC	Welding Field Engineer
	B. Dragon	BPC	Qa Engineer
	T. Fallon	BPC	Asst. Proj. Field QC Eng.
	H. Foster	BPC	Proj. Field QC Engineer
	M. Greenidge	BPC	Area Super.
	M. Jan	BPC	Area 1 Engineer
	E. R. Klossin	BPC	Project QA Engineer
	J. C. Mattia	NRC	Reactor Inspector
352/80-08	J. M. Corcoran	PECO	Field QA Branch Head
353/80-07	D. T. Clohecy	PECO	QA Engineer
	C. Berezich	BPC	Lead Subcontracts Eng.
	T. Fallon	BPC	Asst. Field QC Eng.
	H. Foster	BPC	Proj. QC Engineer
	G. Kelly	BPC	QA Engineer
	E. R. Klossin	BPC	Project QA Engineer
	R. Yancey	BPC	Subcontracts Engineer
	R. Aspinwall	Reactor Controls Inc.	QC Supervisor
	R. Weitenstein	Reactor Controls Inc.	Engineering & Const. Mgr.
	J. C. Mattia	NRC	Reactor Inspector

ANSWER INTERROGATORY NO. 1.

<u>REPORT NO.</u>	<u>NAME</u>	<u>COMPANY</u>	<u>POSITION</u>
352/80-12	J. M. Corcoran	PECO	Field QA Branch Head
353/80-10	D. T. Clohecy	PECO	QA Engineer
	H. Walters	PECO	QA Manager
	T. Fallon	BPC	Asst. Proj. Field QC Eng.
	H. Foster	BPC	Project Field QC Engineer
	E. R. Klossin	BPC	Project QA Engineer
	J. C. Mattia	NRC	Reactor Inspector
	G. Walton	NRC	Reactor Inspector
	S. Reynolds	NRC	Reactor Inspector
	E. Jernigan	NRC	Reactor Inspector
	S. Chaudhary	NRC	Reactor Inspector
	J. M. Corcoran	PECO	Field QA Branch Head
352/80-20	D. A. Marascio	PECO	Q.A.E.
353/80-18	T. F. Fallon	BPC	Asst. Proj. Field QC Eng.
	H. D. Foster	BPC	Proj. Field QC Engineer
	E. R. Klossin	BPC	Project Q.A.E.
	D. C. Thompson	BPC	A.P.F.Q.C.E.
	J. Yohn	BPC	Civil Staff Engineer (Structural Steel/Embeds)
	J. P. Durr	NRC	Sr. Resident Inspector
352/81-01	J. M. Corcoran	PECO	Field QA Branch Head
353/81-01	P. L. Naugle	PECO	Construction Engineer
	T. Altum	BPC	Lead Welding Engineer
	H. D. Foster	BPC	Proj. Field QC Engineer
	E. R. Klossin	BPC	Proj. QA Engineer
	J. P. Durr	NRC	Sr. Resident Inspector
352/81-06	J. M. Corcoran	PECO	Field QA Branch Head
353/81-05	M. J. McGill	PECO	QAE
	G. J. Moffitt, Jr.	PECO	Engineer
	H. D. Foster	BPC	Proj. Field QC Engineer
	L. E. Griffiths	BPC	Subcontracts Engineer
	E. R. Klossin	BPC	Project QAE
	K. L. Quinter	BPC	Asst. Proj. Field QCE
	J. L. Martin	BPC	Lead Site QAE
	J. P. Durr	NRC	Sr. Reactor Inspector

DISCOVERY 17ANSWER INTERROGATORY NO. 1.

<u>REPORT NO.</u>	<u>NAME</u>	<u>COMPANY</u>	<u>POSITION</u>
353/C1-15	J. M. Corcoran	PECO	Field QA Branch Head
352/81-17	P. K. Pavlides	PECO	Manager QA
	T. Altum	BPC	Asst. Proj. Field Eng.
	M. J. Baron	BPC	Lead Field Welding Eng.
	H. D. Foster	BPC	Proj. Field QC Eng.
	E. R. Klossin	BPC	Project QAE
	K. L. Quinter	BPC	Asst. Proj. Field QCE
	J. P. Durr	NRC	Sr. Reactor Inspector
352/82-03	J. M. Corcoran	PECO	Field Qa Branch Head
353/82-02	D. T. Clohecy	PECO	QA Engineer
	F. J. Coyle	PECO	QAE
	H. D. Foster	BPC	Proj. Field QC Engineer
	E. R. Klossin	BPC	Project QAE
	K. L. Quinter	BPC	Asst. Proj. Field QCE
	D. C. Thompson	BPC	APFQCE
	J. P. Durr	NRC	Senior Resident Inspector
352/83-11	J. M. Corcoran	PECO	Field QA Branch Head
	F. J. Coyle	PECO	QA Engineer
	G. Kelly	BPC	Lead QA Engineer
	E. R. Klossin	BPC	Project QA Engineer
	K. G. Stout	BPC	Proj. Field QC Engineer
	M. Brooks	GE	QC Engineer
	S. K. Chaudhary	NRC	Sr. Resident Inspector
	S. D. Reynolds	NRC	Lead Reactor Engineer

Interrogatory No. 2

AWPP requests that Applicant provide date for a site visit for AWPP and representatives to see all actual repairs, and for Applicant to have AWPP and representatives witness Applicant's performance of re-inspection of deficient welds via non-destructive tests on same.

Answer

As previously discussed with Mr. Romano, Applicant is willing to allow AWPP's qualified technical representative to view specific welds or weld repairs, within reason, at the Limerick Generating Station if such welds are presently accessible and if they can be reached without difficulty, e.g. without construction of scaffolding or use of a cherry picker. AWPP's qualified technical representative must have recognized credentials, e.g. SNT-TC-1A Level III certification, for the particular inspection conducted or witnessed. If there is a specific and compelling need to do so, Applicant will permit AWPP's qualified technical representative to witness tests performed by Applicant's personnel, at the expense of AWPP, if such tests are meaningful and may be performed without damaging the weld or component, or causing undue delay. Applicant has already suggested a date which was not acceptable to Mr. Romano, and is awaiting further contact by Mr. Romano.

Participants in Preparation of Answer

Vincent S. Boyer, Senior Vice President - Nuclear Power
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

J. M. Corcoran
Quality Assurance
Field Branch Head
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

Interrogatory No. 3

Indicate name of welders who, more than one time, were involved in reported deficient welds, and who never the less were not discharged or separated from work at Limerick.

Answer

The review of the names of the welders involved in safety-related welding infractions reported in the NRC Inspection Reports listed in answer to Interrogatory No. 1 did not identify any welders who were involved more than once.

Safety-related welding for Limerick is generally performed to either ASME Boiler and Pressure Vessel Code or AWS D1.1 Code requirements. The AWS D1.1-72,73-74 code requires the inspector to verify the qualification of welders and permit welding only by qualified welders. The ASME B&PV Code requires traceability of welder's identify to the particular weld; the AWS D1.1 code does not require traceability of the welder's identify to the particular weld. Therefore, not all welders who performed deficient welds, identified by the NRC as welding infractions, have been identified.

The performance of welders is monitored and the cause of any weld deficiency is evaluated. When determined that the welder is experiencing difficulty in welding, he is retrained and/or regualified as appropriate, not necessarily discharged or separated.

Participants in Preparation of Answer

Vincent S. Boyer, Senior Vice President - Nuclear Power
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

J. M. Corcoran
Quality Assurance
Field Branch Head
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

D. T. Clohecy
Quality Assurance - Engineer
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

Interrogatory No. 4

Re Interrogatory 3 above, indicate those welders that were discharged or separated due to unacceptable welding performance or non-adherence to specified welding procedures.

Answer

One (1) welder, [REDACTED], who has been identified, was involved in an NRC reported weld deficiency infraction and was later terminated.

Participants in Preparation of Answer

Vincent S. Boyer, Senior Vice President - Nuclear Power
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

D. T. Clohecy
Quality Assurance - Engineer
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

COMMONWEALTH OF PENNSYLVANIA :
: SS.
COUNTY OF PHILADELPHIA :

V. S. Boyer, being first sworn, deposes and states:

That he is Senior Vice President of Philadelphia Electric Company, the Applicant herein; that he has read the foregoing Applicant's Answers to Intervenor AWPP's Third Set of Interrogatories on Quality Assurance/Control and knows the contents thereof; and that the statements and matters set forth therein are true and correct to the best of his knowledge, information and belief.

V. S. Boyer
Senior Vice President

Subscribed and sworn to
before me this 19th day
of December, 1983.

Patricia D. Scholl
Notary Public

PATRICIA D. SCHOLL
Notary Public, Philadelphia, Philadelphia Co.
My Commission Expires February 10, 1986

BEFORE THE
UNITED STATES NUCLEAR REGULATORY COMMISSION

In the Matter of	:	Docket Nos. 50-352
	:	
PHILADELPHIA ELECTRIC COMPANY	:	50-353
(Limerick Generating Station	:	
Units 1 & 2)	:	

CERTIFICATE OF SERVICE

I hereby certify that Applicant's Answers to AWPP's Second and Third Sets of Interrogatories were served on Frank Romano by deposit in the U.S. Mail, first class postage prepaid, on December 19, 1983 and that copies thereof were served on the following by deposit in the United States mail, first class postage prepaid on this 20th day of December, 1983.

Administrative Judge Lawrence Brenner (2 copies)
Atomic Safety & Licensing Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Administrative Judge Richard F. Cole
Atomic Safety & Licensing Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Administrative Judge Peter A. Morris
Atomic Safety & Licensing Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Ann P. Hodgdon, Esq.
Counsel for NRC Staff
Office of the Executive Legal Director
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Atomic Safety & Licensing Board Panel
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Joseph H. White, III
8 N. Warner Ave.
Bryn Mawr, Pa. 19010

Charles W. Elliott, Esq.
Brose and Poswistilo
1101 Bldg.
11th & Northampton Sts.
Easton, Pa. 18042

Zori G. Ferkin
Governor's Energy Council
PO Box 8010
1625 N. Front Street
Harrisburg, Pa. 17105

Mr. Thomas Gerusky, Director
Bur. of Radiation Protection
Dept. of Environ. Resources
Fulton Bank Bldg., 5th Floor
Third & Locust Streets
Harrisburg, Pa. 17120

Angus Love, Esq.
101 E. Main St.
Norristown, Pa. 19401

Spence W. Perry, Esq.
Associate General Counsel
FEMA, Room 840
500 CT Street, SW
Washington, D.C. 20472

Docket & Service Section (3 copies)
U.S. Nuclear Regulatory Com.
Washington, D.C. 20555

Atomic Safety & Licensing
Appeal Board Panel
U.S. Nuclear Regulatory Com.
Washington, D.C. 20555

Martha W. Bush, Esq.
Municipal Svcs. Bldg.
15th & JFK Blvd.
Phila., Pa. 19107

Steven Hershey, Esq.
Community Legal Svcs., Inc.
Law Center West
5219 Chestnut St.
Phila., Pa. 19139

Mr. Robert L. Anthony
103 Vernon Lane, Box 186
Moylan, Pa. 19064

Robert J. Sugarman, Esq.
Sugarman & Denworth
Suite 610
North American Bldg.
121 S. Broad St.
Phila., Pa. 19107

David Wersan, Esq.
Asst. Consumer Advocate
Office of Consumer Advocate
1425 Strawberry Square
Harrisburg, Pa. 17120

Director
Pennsylvania Emergency Management
Agency
Basement, Transportation & Safety Bldg.
Harrisburg, Pa. 17120

Troy B. Conner, Jr., Esq.
Conner & Wetterhahn
1747 Pennsylvania Ave., NW
Washington, D.C. 20006

Mr. Marvin I. Lewis
6504 Bradford Terr.
Phila., Pa. 19149

Jay M. Gutierrez, Esq.
U.S. Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, Pa. 19406

A handwritten signature in dark ink, appearing to read "Edward J. Callen, Jr.", is written over a horizontal line.

Edward J. Callen, Jr.
Attorney for
Philadelphia Electric Company

2301 Market Street
Philadelphia, PA 19101