

PHILADELPHIA ELECTRIC COMPANY

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JOSEPH W. GALLAGHER  
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NUCLEAR SERVICES

June 10, 1988

Docket Nos. 50-277  
50-278

Tac Nos. 52946, 53783  
52947, 53784

Steven A. Varga, Director  
Division of Reactor Projects I/II  
Office of NRR  
U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

SUBJECT: Peach Bottom Atomic Power Station Vendor Manual  
Update Pursuant to Generic Letter 83-28

REFERENCES: 1) Letter dated January 4, 1988 from  
R. E. Martin (NRC) to E. G. Bauer (PECO)  
2) Letter dated November 5, 1987 from  
J. S. Kemper (PECO) to S. A. Varga (NRC)

Dear Mr. Varga:

This letter responds to the Reference 1 letter which requested information pertaining to Philadelphia Electric Company's commitment to perform a one-time vendor manual update program pursuant to Generic Letter 83-28. The Reference 2 letter indicated that 20 additional manuals required updating (not including the emergency diesel generators manual). The NRC's request is restated below followed by our response.

NRC Request

Please provide (1) A list of the 20 outstanding vendor manuals identifying associated equipment and/or systems, (2) The scheduled target date for receipt of each of the updated/revised vendor manuals, and (3) The dates when you will complete your check of test and maintenance procedures and the Technical Specifications assuring that the updated vendor manual guidance is incorporated, as appropriate.

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Response

Vendor response has been received for these 20 manuals and, where necessary, manuals were revised, approved for use and issued to controlled copy holders. This work was completed by April 5, 1988. This completes the one-time safety-related vendor manual update program committed to in our February 1, 1985 letter to the NRC, with the exception of the Diesel Generators manual (which is being handled separately). The program encompassed approximately 650 safety-related manuals.

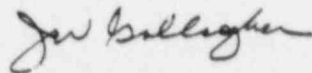
A review to identify plant operating, maintenance and testing procedures, and Technical Specifications that should be revised to incorporate current vendor information from the update program will be completed by August 15, 1988. This review will exclude the Diesel Generators manual. Attached is a list of the vendor manuals (that were revised during the update program) for which reviews of procedures/Technical Specifications must be performed. This list does not represent all of the manuals that were revised during the update program; only those for which procedure/Technical Specification reviews have not been completed.

The draft of the new Diesel Generator manual was received from the vendor in December 1987. Currently, Philadelphia Electric Company comments are being incorporated and we expect the approved manual to be issued for use in August 1988. At that time, a schedule will be developed for reviewing plant operating, maintenance and testing procedures, and the Technical Specifications to identify where new information from the Diesel Generator manufacturer should be incorporated.

Philadelphia Electric Company will submit to the NRC by August 31, 1988 the schedule for incorporating the appropriate vendor guidance into the affected procedures and Technical Specifications. Because the scope of procedures and Technical Specifications affected by new vendor information cannot be determined until the reviews have been completed, an accurate schedule cannot be developed at this time.

If you have any questions or require additional information, please feel free to contact us.

Very truly yours,



Attachment

- cc: Addressee  
W. T. Russell, Administrator, USNRC, Region I  
T. P. Johnson, USNPC Senior Resident Inspector  
R. E. Martin, USNRC Project Manager  
T. E. Magette, State of Maryland

<u>MANUAL #</u>	<u>TITLE</u>	<u>VENDOR</u>
E-10-103-2	Control and Instrument Switches	General Electric
E-10-148-2	Type CP Reverse Phase Relay	Westinghouse Electric
E-10-150-2	Type CVQ Relay	Westinghouse Electric
E-112-5-4	High Range Gamma Rad Monitoring System	G.A. Technologies Inc.
E-113-1-2	TM506/RTH506 Power Module	NDT International Inc.
E-113-2-2	Fluid Flow Det. Sys. for Pos. Mon of Relief Vlvs.	NDT International Inc.
E-116-5-4	1151 DP Transmitters	Rosemount Inc.
E-116-5-5	Differential Pressure Transmitters	Rosemount Inc.
E-121-1-2	Thermocouples & Resist. Thermometers-Drywell	PYCO, Inc.
E-13-102-2	Exide Batteries, Types CA and CC	Exide Power Systems Division
E-13-109-2	Stationary Batteries	ESB, Inc.
E-13-55-2	Earthquake Protection Equip - (Battery Racks)	Exide Power Division
E-16-6-2	VB Class Power and Distribution Panel Boards	ITE Electrical Products
E-17-547-2	Sola CVDC Power Supplies	Sola Electric
E-17-616-3	Speedomax 100 Series Recorders H2 and 02 Concentration Instrumentation	Leeds and Northrup
E-3-18-2&3	Type SL Core Form Substation Transformer	Westinghouse Electric
E-508-19-2	Synchronous Motor Controls	General Electric
E-508-25-2	Synchronous Motors	General Electric
E-512-2-2	Solenoid Operated Pilot Valves	ASCO

<u>MANUAL #</u>	<u>TITLE</u>	<u>VENDOR</u>
E-539-40-2	Elect. Alrm Thermocouple SQRT Extractor ET-1218	Rochester Instruments
E-7-219-2	4.16 KV Switchgear (Unit 2)	General Electric
E-7-220-2	13.8 KV Switchgear (Unit 2)	General Electric
E-7-234-2	Voltage Relays	General Electric
E-7-426-2	4.16 KV Switchgear	General Electric
E-7-509-2	4.16 KV Switchgear Unit 3	General Electric
M-1-B-114-3	Assembly - Control Rod Guide Tube (Parts List)	General Electric
M-1-D-156-2	67F & 67FR Series Regulators	Clifford B. Ives
M-1-D-157-2	Type 667 Diaphragm Actuator Sizes 30-70 & 87	Clifford B. Ives
M-1-E-408-2	Metal Tube Rotometers	Schutte & Keorting
M-1-JJ-101-9	Introduction, Nuclear Steam Supply System	General Electric
M-1-JJ-105-7	Control System (Part 3)	General Electric
M-1-JJ-107-4	Radiation Monitoring System	General Electric
M-1-JJ-109-5	Service and Handling Equipment	General Electric
M-1-JJ-112-5	Process Instrumentation and Control (Part 2)	General Electric
M-1-JJ-113-4	Instrumentation on Component Manuals (Part 1)	General Electric
M-1-JJ-114-2	Instrumentation on Component Manuals (Part 2)	General Electric
M-1-JJ-115-7	Instrumentation on Component Manuals (Part 3)	General Electric

<u>MANUAL #</u>	<u>TITLE</u>	<u>VENDOR</u>
M-1-JJ-116-4	Instrumentation on Component Manuals (Part 4)	General Electric
M-1-JJ-12-2	Series 67F and 67FR Regulators	Clifford B. Ives
M-1-JJ-120-2	Low Voltage Power Circuit Breakers	General Electric
M-1-JJ-121-2	Wide Range Monitor - Mean Square Voltage Test Fixture 117C2956G1	General Electric
M-1-JJ-122-4	RCIC Turbine	Terry Steam Turbine
M-1-JJ-126-5	Drive Control Unit	General Electric
M-1-JJ-128-2	Valve Control Monitor 112C3706G7	General Electric
M-1-129-2	Valve Control Monitor 112C3706G8	General Electric
M--JJ-13-2	667 Diaphragm Actuator RS Sizes 30,34,40,45,50,60,70,87	Clifford B. Ives
M-1-JJ-130-2	Position Indicator Probe Test Fixture 117C2911G1, G2	General Electric
M-1-JJ-132-2	Probe Buffer Card Test Fixture	General Electric
M-1-JJ-133-2	Special Testing Equipment for Power Range Neutron Monitoring System	General Electric
M-1-JJ-135-2	Calibration Unit 985C105G1	General Electric
M-1-JJ-14-2	"Easy-E Bodies" Control Valve Bodies Design ES&ED	Clifford B. Ives
M-1-JJ-141-2	Connector Assembly Instruction	General Electric
M-1-JJ-142-3	Power Range Neutron Monitoring System Components	General Electric



<u>MANUAL #</u>	<u>TITLE</u>	<u>VENDOR</u>
M-1-JJ-16-3	Safety/Relief Valve Model 67F for RPV	Target Rock
M-1-JJ-17-3	Consolidated Safety Valves Type 3700 for RPV	Dresser Industrial Division
M-1-JJ-25-3	RCIC Pumps	Bingham-Williamette
M-1-JJ-30-5	HPCI Turbine (Serial #36213, 36531)	Terry Steam Turbine
M-1-JJ-33-2	657 Diaphragm Actuators Series 30,34,40,45,50,60,70,87	Clifford B. Ives
M-1-JJ-44-2	Standby Liquid Control Accumulator	Greer Hydraulics
M-1-JJ-5-2	667 Diaphragm Actuators Sizes 30,34,40,45,50,60,70,87	Clifford B. Ives
M-1-JJ-55-4	Variable Frequency M-G Set & Control Equipment	General Electric
M-1-JJ-60-5	Hydraulic Control Unit	General Electric
M-1-JJ-66-2	Pulse Preamplifier 112C2276G1 Operation and Maintenance	General Electric
M-1-JJ-67-6	Detector Insert and Retract Mechanism	General Electric
M-1-JJ-68-2	Flux Probing Monitor 237X630G1-G5,G9	General Electric
M-1-JJ-69-3	Gamma Sensitive Ion Chamber 237X731G1	General Electric
M-1-JJ-70-2	Low Voltage Power Supply 194X606G3	General Electric
M-1-JJ-71-3	Source Range Monitor 194X400G17,G18	General Electric
M-1-JJ-73-2	Mean Square Voltage - Wide Range Mon. 194X672G8-G9	General Electric

<u>MANUAL #</u>	<u>TITLE</u>	<u>VENDOR</u>
M-1-JJ-77-5	Process Radiation Monitor 194X900G9-G10	General Electric
M-1-JJ-81-2	Scintillation Detector 117B1681G1	General Electric
M-1-JJ-82-3	Voltage Preamplifier 112C2218G1	General Electric
M-1-JJ-88-5	Area Radiation Monitor Indicator & Trip Unit	General Electric
M-1-JJ-89-5	Drive Mechanism	General Electric
M-1-JJ-90-2	Motor-Generator Package Set	General Electric
M-1-JJ-94-2	Wide Range Monitor 194X402G10-G11	General Electric
M-1-JJ-96-2	Control Rod Drive Model 7RDB144B	General Electric
M-1-JJ-98-2	Centrifugal Process Pumps PH200 & PH230	Dean Pumps Div./ Metpro
M-1-M-765-2	Refueling Platform	GCA
M-1-P-49-4	RX HI Press. Trip Unit PS-2-3 55A thru 55D	Rochester Instrument Systems
M-1-P-55-1	Diff. and HI Diff. Pressure Transmitters	Rosemount
M-1-P-56-2	Pressure Transmitters, Absolute and Gauge	Rosemount
M-10A-3	Turbine and Fuel Pool S-Line General Service Pumps	Ingersol-Rand
M-114-B-14-2	Vogt Forged Steel Gate, Globe, Angle and Check Valves	Vogt Machine
M-126-A-4-3	Float and Thermostatic Steam Trap	Armstrong Machine Works
M-126-B-4-2	Steam Traps	Spirax Sarco

<u>MANUAL #</u>	<u>TITLE</u>	<u>VENDOR</u>
M-19-34-2	Feather Valve Compressors	Worthington
M-2-214C-2	Max Excitation Limit	General Electric
M-2-218C-2	Alterex Excitation System Control	General Electric
M-2-362-12	Steam Turbine Generator Vol. II	General Electric
M-2-371-2	Steam Turbine Generator Vol. I	General Electric
M-2-372	Steam Turbine Generator Vol. III	General Electric
M-200-B-12-3	B-50 Series Piston Actuator	Conoflow
M-204-60-2	Install. & Adj. Crosby Nozzle Type Relief Valves	Crosby Valve and Gauge
M-216-28-3	Type S-1 Switch	Magnetrol
M-216-40-2	Tandem Style, Displacement Type Liq. Level Controls	Magnetrol
M-216-93-2	Model A-103 and A-153 Series Liquid Level Controls	Magnetrol
M-224-7-3	Ashcroft Snap Action Switch	Dresser Industrial Division
M-230-2	Differential Pressure Regulator	Fischer & Porter
M-230-71-2	86E6 288A & 290A Differential Pressure Switch	ITT Barton
M-230-72-2	86E7 289A & 291A Differential Pressure Indicating Switch	ITT Barton
M-242-20-3	Containment Hydrogen and Oxygen Analysis System	Delphi Industries
M-243-A-71-3	Self Drag Velocity Control Element	Control Components



<u>MANUAL #</u>	<u>TITLE</u>	<u>VENDOR</u>
M-244-2-2	Parts List, O&M Instrs For Oil-Less Vac. Pumps	Gast Manufacturing
M-413-3-3	#141 Mechanical Shock Arrestors	Pacific Scientific
M-70-32-2	Induction Motors	General Electric
M-9-12-2	Vertical Turbine Pumps 27" and larger	Johnston Pump
M-96-133-5	System Pressure Test Procedure	Process Engineering
M-96-189-2	Liquid Nitrogen System	Process Engineering
M-96-84-2	General Requirements for Pressure Gauges	Process Engineering