

PHILADELPHIA ELECTRIC COMPANY

NUCLEAR GROUP HEADQUARTERS

955-65 CHESTERBROOK BLVD.

WAYNE, PA 19087-5691

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May 21, 1992

NUCLEAR ENGINEERING & SERVICES DEPARTMENT

Docket Nos. 50-277
50-278
50-352
50-353

License Nos. DPR-44
DPR-56
NPF-39
NPF-85

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

SUBJECT: Peach Bottom Atomic Power Station, Units 2 and 3
Limerick Generating Station, Units 1 and 2
Completion of Emergency Response Data System Survey
and Data Point Library Reference Files

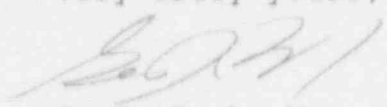
REFERENCE: Letter from G. J. Beck (PECo) to USNRC,
dated February 19, 1992

Dear Sir:

In the Reference 1 letter, Philadelphia Electric Company (PECo) provided a copy of a completed Emergency Response Data System (ERDS) survey and data point library reference files for Peach Bottom Atomic Station (PBAPS), Units 2 and 3, and Limerick Generating Station (LGS), Units 1 and 2. In subsequent telephone calls (Wednesday, March 18, 1992, Thursday, March 19, 1992 and Wednesday, May 5, 1992) between M. Olivera (PECo) and J. Jolicoeur (USNRC), several corrections and clarifications to the Reference 1 information were identified. As a result, Attachment A and Attachment B contain revised data point library reference files and revised survey information for LGS and PBAPS respectively.

If you have any questions, please contact us.

Very truly yours,


G. J. Beck, Manager
Licensing Section

100018

Attachments

cc: T. T. Martin, Administrator, Region I, USNRC
J. J. Lyash, USNRC Senior Resident Inspector, PBAPS
T. J. Kenny, USNRC Senior Resident Inspector, LGS

9205280160 920521
PDR ADOCK 05000277
F PDR

A026
11/11

Attachment A

3. Data Communication Details

- a. Can this data feeder provide asynchronous serial data communication (RS-232-C) with full-modem control?

YES

- b. Will this feeder transmit in ASCII or EBCDIC?

ASCII

- c. Can this feeder transmit at a serial baud rate of 2400 bps? If not, at what baud rate can it transmit?

YES

- d. Does the operating system support XON/XOFF flow control?

YES, however FECo's application uses Suspend/Resume protocol.

1. Are any problems foreseen with the NRC using XON/XOFF to control the transmission of data?

YES

- e. If it is not feasible to reconfigure a serial port for the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why.

N/A

- f. Can the serial port dedicated to the ERDS be configured so that the NRC need not emulate a specific brand of terminal (i.e., can it be configured to be a "vanilla" terminal)?

YES

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E1114
Plant Spec Point Desc(40 char):	A SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	IN/NOT IN
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E1138
Plant Spec Point Desc(40 char):	B SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	IN/NOT IN
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30' BELOW BOTTOM OF ACTIVE FUEL TO 18' ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parame. (12 char):	NI SOURC RNG
Point ID (12 char):	E1115
Plant Spec Point Desc(40 char):	C SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	IN/NOT IN
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E1139
Plant Spec Point Desc(40 char):	D SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	IN/NOT IN
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E1430
Plant Spec Point Desc(40 char):	UPSET RANGE REACTOR PRESSURE B
Generic/Cond Desc(32 char):	RX COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	1500
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	HIGH @ 1020, SCRAM HI @1037,SCRAM LOW @756
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	REACTOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	EFF GAS RAD
Point ID (12 char):	4TE076
Plant Spec Point Desc(40 char):	N STACK TOTAL EFFLUENT
Generic/Cond Desc(32 char):	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States(12 char):	MCI/S
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	
Maximum Instr Range(10 char):	
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	NORTH STACK SAMPLE GRID
Alarm/Trip Set Points(40 char):	ALERT @ 1.08E4 MCI/S,HIGH @1.08E5 MCI/S
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Log(WET or DRY):	N/A
Unique System Desc.(600 char):	

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E1353
Plant Spec Point Desc(40 char):	UPSET RANGE REACTOR PRESSURE A
Generic/Cond Desc(32 char):	RX COCLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	1500
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	HIGH @ 1020, SCRAM HI @1037,SCRAM LOW @756
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	REACTOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	WIND DIR
Point ID (12 char):	T1.DRI
Plant Spec Point Desc(40 char):	TOWER 1 DIRECTION
Generic/Cond Desc(32 char):	WIND DIR AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGREES
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	540
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 1 IS A 280' TOWER SITUATED APPROX 3000' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 250' MSL. USED AS PRIMARY INDICATION OF WIND DIRECTION. Wind direction is measured from direction of wind.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC R&G
Point ID (12 char):	E2114
Plant Spec Point Desc(40 char):	A SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	IN/NOT IN
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E2138
Plant Spec Point Desc(40 char):	B SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	IN/NOT IN
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	1 M2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E2115
Plant Spec Point Desc(40 char):	C SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	IN/NOT IN
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E2139
Plant Spec Point Desc(40 char):	D SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	IN /NOT IN
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E2234
Plant Spec Point Desc(40 char):	NARROW RANGE REACTOR PRESS
Generic/Cond Desc(32 char):	RX COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	850
Maximum Instr Range(10 char):	1050
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	HIGH @ 1020, SCRAM HI @ 1037, SCRAM LOW @ 756
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Log(WET or DRY):	N/A
Unique System Desc.(600 char):	REACTOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E2430
Plant Spec Point Desc(40 char):	UPSET RANGE REACTOR PRESSURE B
Generic/Cond Desc(32 char):	RX COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	1500
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	HIGH @ 1020, SCRAM HI @ 1037, SCRAM LOW @ 756
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correctior. curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	REA/TOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY / REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E2353
Plant Spec Point Desc(40 char):	UPSET RANGE REACTOR PRESSURE A
Generic/Cond Desc(32 char):	RX COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	1500
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	HIGH @ 1020, SCRAM HI @ 1037, SCRAM LOW @ 756
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for RT Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	REACTOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY REFERENCE FILE

File:	12/18/91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	EFF GAS RAD
Point ID (12 char):	4TE076
Plant Spec Point Desc(40 char):	N STACK TOTAL EFFLUENT
Generic/Cond Desc(32 char):	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States(12 char):	MCI/S
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	
Maximum Instr Range(10 char):	
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(5 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	NORTH STACK SAMPLE GRID
Alarm/Trip Set Points(40 char):	ALERT @ 1.08E4 MCI/S,HIGH @1.08E5 MCI/S
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	WIND DIR
Point ID (12 char):	T1.DR1
Plant Spec Point Desc(40 char):	TOWER 1 DIRECTION
Generic/Cond Desc(32 char):	WIND DIR AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGREES
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	540
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 1 IS A 280' TOWER SITUATED APPROX 3000' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 250' MSL. USED AS PRIMARY INDICATION OF WIND DIRECTION. Wind direction is measured from direction of wind.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 31
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	WIND DIR
Point ID (12 char):	T2.DR.U
Plant Spec Point Desc(40 char):	TOWER 2 DIRECTION
Generic/Cond Desc(32 char):	WIND DIR AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGREES
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	540
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 2 IS A 310' TOWER SITUATED APPROX 2100' WEST OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 121' MSL. USED AS SECONDARY INDICATION OF WIND DIRECTION. Wind direction is measured from direction of wind.

Attachment B

I. Contacts

Note: Please provide name, title, mailing address, and phone number.

A. Survey Coordinator (i.e., contact for later clarification of questionnaire answers):

Michael C. DeSesa	Title: Computer Engineer
Philadelphia Electric Company	Phone: (717) 456-7014 Ext. 3273
Peach Bottom Atomic Power Station	
RD #1, M.C. - A4-4N	
Delta, PA 17314	

B. Computer Hardware Specialist(s):

SAME

C. Systems Software Specialist(s):

SAME

D. Application-level Software Specialist(s):

SAME

E. Telephone Systems Specialist(s):

SAME

3. Data Communication Details

- a. Can this data feeder provide asynchronous serial data communication (RS-232-C) with full-modem control?

YES

- b. Will this feeder transmit in ASCII or EBCDIC?

ASCII

- c. Can this feeder transmit at a serial baud rate of 2400 bps? If not, at what baud rate can it transmit?

YES

- d. Does the operating system support XON/XOFF flow control?

YES, however, PECO's application uses Suspend/Resume protocol.

1. Are any problems foreseen with the NRC using XON/XOFF to control the transmission of data?

YES

- e. If it is not feasible to reconfigure a serial port for the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why.

N/A

- f. Can the serial port dedicated to the ERDS be configured so that the NRC need not emulate a specific brand of terminal (i.e., can it be configured to be a "vanilla" terminal)?

YES

DATA POINT LIBRARY REFERENCE FILE

Date: 1/15/92
 Reactor Unit: PE2
 Data Feeder: N/A
 NRC ERDS Parameter: EFF GAS RAD
 Point ID: SPDS1288
 Plant Spec Point Desc: /VG VENT STACK RAD - NR or WR
 Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES
 Analog/Digital: A
 Engr Units/Dig States: CPM
 Engr Units Conversion: -----
 Minimum Instr Range: 10
 Maximum Instr Range: 1×10^{14}
 Zero Point Reference: -----
 Reference Point Notes: -----
 PROC or SENS: F
 Number of Sensors: 3
 How Processed: RANGE SELECTED AVERAGE
 Sensor Locations: NEAR TOP OF VENT STACK
 Alarm/Trip Set Points: HIHI=100,000 CPM
 NI Detector Power Supply
 Cut-off Power Level: -----
 NI Detector Power Supply
 Turn-on Power Level: -----
 Instrument Failure Mode: LOW
 Temperature Compensation
 For DP Transmitters: -----
 Level Reference Leg: -----
 Unique System Desc.: AVERAGE ROOF VENT STACK NR OR WR.
 THIS RANGE SELECTED AVERAGE
 NORMALLY DISPLAYS THE AVERAGE OF
 TWO LOW RANGE (10 CPM - 10^8 CPM)
 RADIATION MONITORS. IF BOTH LOW

RANGE MONITORS FAIL OR IF VENT
STACK RAD LEVEL EXCEEDS 10^8 CPM,
THEN THE DISPLAYED VALUE IS FROM A
HIGH RANGE (10^7 CPM - 10^{13} CPM)
RADIATION MONITOR. A SAMPLE OF
VENT STACK DISCHARGE IS DRAWN FROM
ISOKINETIC NOZZLES LOCATED NEAR
THE TOP OF THE VENT STACK.

DATA POINT LIBRARY REFERENCE FILE

Date: 1/15/92

Reactor Unit: PE2

Data Feeder: N/A

NRC ERDS Parameter: WIND DIR

Point ID: R006

Plant Spec Point Desc: TOWER 2 WIND DIR 320'

Generic/Cond Desc.: WIND DIRECTION AT THE REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: DEG

Engr Units Conversion: IF GREATER THAN 360 SUBTRACT 360 FOR DIR

Minimum Instr Range: 0

Maximum Instr Range: 540

Zero Point Reference: -----

Reference Point Notes: -----

PROC or SENS: S

Number of Sensors: 1

How Processed: -----

Sensor Locations: TOWER 2 320 FT ELEV.

Alarm/Trip Set Points: -----

NI Detector Power Supply Cut-off Power Level: -----

NI Detector Power Supply Turn-on Power Level: -----

Instrument Failure Mode: LOW

Temperature Compensation For DP Transmitters: -----

Level Reference Leg: -----

Unique System Desc.: TOWER 2 WIND DIRECTION AT 320' ELEV. WIND DIRECTION IS MEASURED "FROM" THE DIRECTION OF THE WIND.

DATA POINT LIBRARY REFERENCE FILE

Date: 1/15/92
 Reactor Unit: FE3
 Data Feeder: N/A
 NRC ERDS Parameter: EFF GAS RAD
 Point ID: SPDS1588
 Plant Spec Point Desc: AVC VENT STACK RAD - NR or WR
 Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES
 Analog/Digital: A
 Engr Units/Dig States: CPM
 Engr Units Conversion: -----
 Minimum Instr Range: 10
 Maximum Instr Range: 1×10^{14}
 Zero Point Reference: -----
 Reference Point Notes: -----
 PROC or SENS: P
 Number of Sensors: 3
 How Processed: RANGE SELECTED AVERAGE
 Sensor Locations: NEAR TOP OF VENT STACK
 Alarm/Trip Set Points: HIHI=100,000 CPM
 NI Detector Power Supply
 Cut-off Power Level: -----
 NI Detector Power Supply
 Turn-on Power Level: -----
 Instrument Failure Mode: LOW
 Temperature Compensation
 For DP Transmitters: -----
 Level Reference Leg: -----
 Unique System Desc.: AVERAGE ROOF VENT STACK NR OR WR.
 THIS RANGE SELECTED AVERAGE
 NORMALLY DISPLAYS THE AVERAGE OF
 TWO LOW RANGE (10 CPM - 10^3 CPM)
 RADIATION MONITORS. IF BOTH LOW

RANGE MONITORS FAIL OR IF VENT
STACK RAD LEVEL EXCEEDS 10^8 CPM,
THEN THE DISPLAYED VALUE IS FROM A
HIGH RANGE (10^7 CPM - 10^{13} CPM)
RADIATION MONITOR. A SAMPLE OF
VENT STACK DISCHARGE IS DRAWN FROM
ISOKINETIC NOZZLES LOCATED NEAR
THE TOP OF THE VENT STACK.

DATA POINT LIBRARY REFERENCE FILE

Date: 1/15/92

Reactor Unit: PE3

Data Feeder: N/A

NRC ERDS Parameter: WIND DIR

Point ID: R006

Plant Spec Point Desc: TOWER 2 WIND DIR 320'

Generic/Cond Desc.: WIND DIRECTION AT THE REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: DEG

Engr Units Conversion: IF GREATER THAN 360 SUBTRACT 360 FOR DIR

Minimum Instr Range: 0

Maximum Instr Range: 540

Zero Point Reference: -----

Reference Point Notes: -----

PROC or SENS: S

Number of Sensors: 1

How Processed: -----

Sensor Locations: TOWER 2 320 FT ELEV.

Alarm/Trip Set Points: -----

NI Detector Power Supply Cut-off Power Level: -----

NI Detector Power Supply Turn-on Power Level: -----

Instrument Failure Mode: LOW

Temperature Compensation For DP Transmitters: -----

Level Reference Leg: -----

Unique System Desc.: TOWER 2 WIND DIRECTION AT 320' ELEV. WIND DIRECTION IS MEASURED "FROM" THE DIRECTION OF THE WIND.