

Indian Point 3
Nuclear Power Plant
P.O. Box 215
Buchanan, New York 10511
914-736-8000



**New York Power
Authority**

February 1, 1993
IP3-NRC-93-010

License No. DPR-64
Docket No. 50-286

Mr. John R. Jolicoeur
ERDS Project Manager
U.S. Nuclear Regulatory Commission
Mail Stop MNBB 3206
Washington, D.C. 20555

Subject: IP3 ERDS

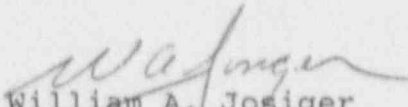
Reference: 1. NYPA letter from W.A. Josiger to J.R.
Jolicoeur dated December 4, 1992, "IP3
ERDS"

Dear Mr. Jolicoeur:

Reference 1 served in part to submit the Indian Point 3 Data Point Library for the Emergency Response Data System (ERDS). This letter serves to transmit changes which have been made to certain Data Point Library sheets since the submittal of Reference 1. Some of these changes were made at your request in order to provide clarification on the selected sheets. Also, certain Data Point Library point ID numbers have been changed to become computer addresses instead of instrument tag numbers. New graphs and figures have been included as required. The affected sheets, graphs, and figures are provided in Attachment 1 with changes to the Data Point Library sheets indicated by revision bars.

If you should have any further questions, please contact Roger Harris at (914) 736-8712.

Very truly yours,


William A. Josiger
Resident Manager
Indian Point 3 Nuclear Power Plant

waj/fp/rj
attachment

050029

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cc: U.S. Nuclear Regulatory Commission (original)
Attn: Document Control Desk
Mail Station P1-157
Washington, DC 20555

IP3 Resident Inspector
Indian Point 3
U.S. Nuclear Regulatory Commission
P.O. Box 337
Buchanan, NY 10511

ATTACHMENT I
INDIAN POINT 3
DATA POINT LIBRARY FOR
THE EMERGENCY RESPONSE
DATA SYSTEM (ERDS)

ERDS Signals

<u>Sequence</u>	<u>Point ID</u>	<u>Description</u>
1	U1169	POWER RANGE NIS POWER
2	N0031A	SOURCE RANGE DETECTOR 31
3	N0032A	SOURCE RANGE DETECTOR 32
4	N0035A	INTERMEDIATE RANGE DETECTOR 35
5	N0036A	INTERMEDIATE RANGE DETECTOR 36
6	KRVLIS	LOWEST REACTOR VESSEL WATER LEVEL
7	KHCET	HIGHEST CET
8	TMARCETA	CET TEMP SAT MARGIN
9	KAL1F	MEDIAN LOW RCL 31 FLOW
10	KAL2F	MEDIAN LOW RCL 32 FLOW
11	KAL3F	MEDIAN LOW RCL 33 FLOW
12	KAL4F	MEDIAN LOW RCL 34 FLOW
13	L0403A	STEAM GENERATOR #31 W.R. LEVEL
14	L0423A	STEAM GENERATOR #32 W.R. LEVEL
15	L0443A	STEAM GENERATOR #33 W.R. LEVEL
16	L0463A	STEAM GENERATOR #34 W.R. LEVEL
17	KSG31P	MEDIAN HIGH STEAM GENERATOR 31 PRESSURE
18	KSG32P	MEDIAN HIGH STEAM GENERATOR 32 PRESSURE
19	KSG33P	MEDIAN HIGH STEAM GENERATOR 33 PRESSURE
20	KSG34P	MEDIAN HIGH STEAM GENERATOR 34 PRESSURE
21	KSG31MF	MEDIAN LOW MAIN FEED FLOW TO SG31
22	KSG32MF	MEDIAN LOW MAIN FEED FLOW TO SG32
23	KSG33MF	MEDIAN LOW MAIN FEED FLOW TO SG33
24	KSG34MF	MEDIAN LOW MAIN FEED FLOW TO SG34
25	F1200A	AUX FEED FLOW TO SG31
26	F1201A	AUX FEED FLOW TO SG32
27	F1202A	AUX FEED FLOW TO SG33
28	F1203A	AUX FEED FLOW TO SG34
29	T0406A	RCL LOOP #1 COLD LEG TEMP
30	T0426A	RCL LOOP #2 COLD LEG TEMP
31	T0446A	RCL LOOP #3 COLD LEG TEMP
32	T0466A	RCL LOOP #4 COLD LEG TEMP

ERDS Signals (cont'd)

<u>Sequence</u>	<u>Point ID</u>	<u>Description</u>
33	T0419A	RCL LOOP #1 HOT LEG TEMP
34	T0439A	RCL LOOP #2 HOT LEG TEMP
35	T0459A	RCL LOOP #3 HC. LEG TEMP
36	T0479A	RCL LOOP #4 HOT LEG TEMP
37	P0499A	RCS PRESSURE LOOP 4
38	Y9007A	RCS PRESSURE LOOP 1
39	KAVGPZRL	MEDIAN HIGH PRESSURIZER LEVEL
40	KAVGPZL2	MEDIAN LOW PRESSURIZER LEVEL
41	F0128A	CHARGING PUMP DISCHARGE FLOW
42	KSIF	TOTAL NON-BIT SAFETY INJECTION FLOW
43	KBSIF	TOTAL BIT SAFETY INJECTION FLOW
44	KRHRF	TOTAL PWR FLOW
45	L1253A	CONTAINMENT LEVEL
46	L1254A	CONTAINMENT LEVEL
47	L1255A	CONTAINMENT SUMP LEVEL
48	L1256A	CONTAINMENT SUMP LEVEL
49	R0027A	PLANT VENT RADIATION
50	R0018A	LIQUID WASTE DISPOSAL RADIATION
51	R0015A	STEAM AIR EJECTOR RADIATION
52	R0025A	CONTAINMENT HIGH RAD MONITOR 1
53	R0026A	CONTAINMENT HIGH RAD MONITOR 2
54	R0004A	CHARGING PUMP ROOM RAD
55	R062AA	STEAM LINE 31 RADIATION
56	R062BA	STEAM LINE 32 RADIATION
57	R062CA	STEAM LINE 33 RADIATION
58	R062DA	STEAM LINE 34 RADIATION
59	R062EA	STEAM GENERATOR BLOWDOWN RADIATION
60	P1421A	CONTAINMENT HIGH PRESSURE
61	P1422A	CONTAINMENT HIGH PRESSURE
62	T0160A	CONTAINMENT AVERAGE TEMPERATURE
63	HCMCA	CONTAINMENT H ₂ CONCENTRATION
64	HCMCB	CONTAINMENT H ₂ CONCENTRATION
65	L0933A	RWST LEVEL

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Da	01/29/93	1
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	NI POWER RNG	
Point ID:	U1159	
Plant Spec Point Desc.:	POWER RANGE NIS POWER	
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS POWER RANGE	
Analog/Digital:	A	
Engr Units/Dig States:	PL	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	120.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	P	
Number of Sensors:	4	
How Processed:	AVERAGE	
Sensor Location:	OUTSIDE OF CORE ON CRANE WALL	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	AVERAGE OF FOR POWER RANGE CHANNELS EVERY FOUR SECONDS INDIVIDUAL NI TRIP AT 107%	1

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	NI SOURC RNG	
Point ID:	N0031A	
Plant Spec Point Desc.:	SOURCE RANGE DETECTOR 31	
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS SOURCE RNG	
Analog/Digital:	A	
Engr Units/Dig States:	CPS	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000	
Maximum Instr Range:	1000.0E + 03	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	OUTSIDE OF CORE ON CRANE WALL	
Alarm/Trip Set Points:	HI AT 90.000	
NI Detector Power Supply Cut-off Power Level:	7E-11 IR	
NI Detector Power Supply Turn-on Power Level:	4E-11 IR	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS SIGNAL IS PROPORTIONAL TO THE LOGARITHM OF THE NUMBER OF PULSES PER UNIT TIME RECEIVED FROM A NEUTRON FLUX PROPORTIONAL COUNTER. TRANSMITTER ID IS N31.	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	NI SOURC RNG	
Point ID:	N0032A	
Plant Spec Point Desc.:	SOURCE RANGE DETECTOR 32	
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS SOURCE RNG	
Analog/Digital:	A	
Engr Units/Dig States:	CPS	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000	
Maximum Instr Range:	1000.0E + 03	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	OUTSIDE OF CORE ON CRANE WALL	
Alarm/Trip Set Points:	HI AT 90.000	
NI Detector Power Supply Cut-off Power Level:	7E-11 IR	
NI Detector Power Supply Turn-on Power Level:	4E-11 IR	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS SIGNAL IS PROPORTIONAL TO THE LOGARITHM OF THE NUMBER OF PULSES PER UNIT TIME RECEIVED FROM A NEUTRON FLUX PROPORTIONAL COUNTER. TRANSMITTER ID IS N32.	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	NI INTER RNG	
Point ID:	N0035A	
Plant Spec Point Desc.:	INTERMEDIATE RANGE DETECTOR 35	
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS INT RANGE	
Analog/Digital:	A	
Engr Units/Dig States:	AMPS	
Engr Units Conversion:	N/A	
Minimum Instr Range:	10.0E-12	
Maximum Instr Range:	1000.0E-06	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	OUTSIDE OF CORE ON CRANE WALL	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS SIGNAL IS PROPORTIONAL TO THE LOGARITHM OF THE CURRENT RECEIVED FROM A COMPENSATED ION CHAMBER. TRANSMITTER ID IS N35.	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	NI INTER RNG	
Point ID:	N0036A	
Plant Spec Point Desc.:	INTERMEDIATE RANGE DETECTOR 36	
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS INT RANGE	
Analog/Digital:	A	
Engr Units/Dig States:	AMPS	
Engr Units Conversion:	N/A	
Minimum Instr Range:	10.0E-12	
Maximum Instr Range:	1000.0E-06	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	OUTSIDE OF CORE ON CRANE WALL	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS SIGNAL IS PROPORTIONAL TO THE LOGARITHM OF THE CURRENT RECEIVED FROM A COMPENSATED ION CHAMBER. TRANSMITTER ID IS N36	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	REAC VES LEV	
Point ID:	KRVLIS	
Plant Spec Point Desc.:	LOWEST REACTOR VESSEL WATER LEVEL	
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	PCT	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	120.0	
Zero Point Reference:	TNKBOT	
Reference Point Notes:	N/A	
PROC or SENS:	P	
Number of Sensors:	4	
How Processed:	LOWEST	
Sensor Locations:	TOP & BOTTOM OF VESSEL	
Alarm/Trip Set Points:	LO AT 65.0	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:	Y	
Level Reference Leg:	WET	
Unique System Desc:	IF AT LEAST ONE RCP FLOW IS GREATER THAN OR EQUAL TO 91% THIS POINT IS THE LOWEST OF 2 DYNAMIC RANGE SIGNALS. OTHERWISE IT IS THE LOWEST OF 2 FULL RANGE SIGNALS. THE POINT IS FLAGGED UNRELIABLE IF NEITHER SIGNAL OF THE APPLICABLE PAIR IS GOOD. TOP OF FUEL IS 62%.	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

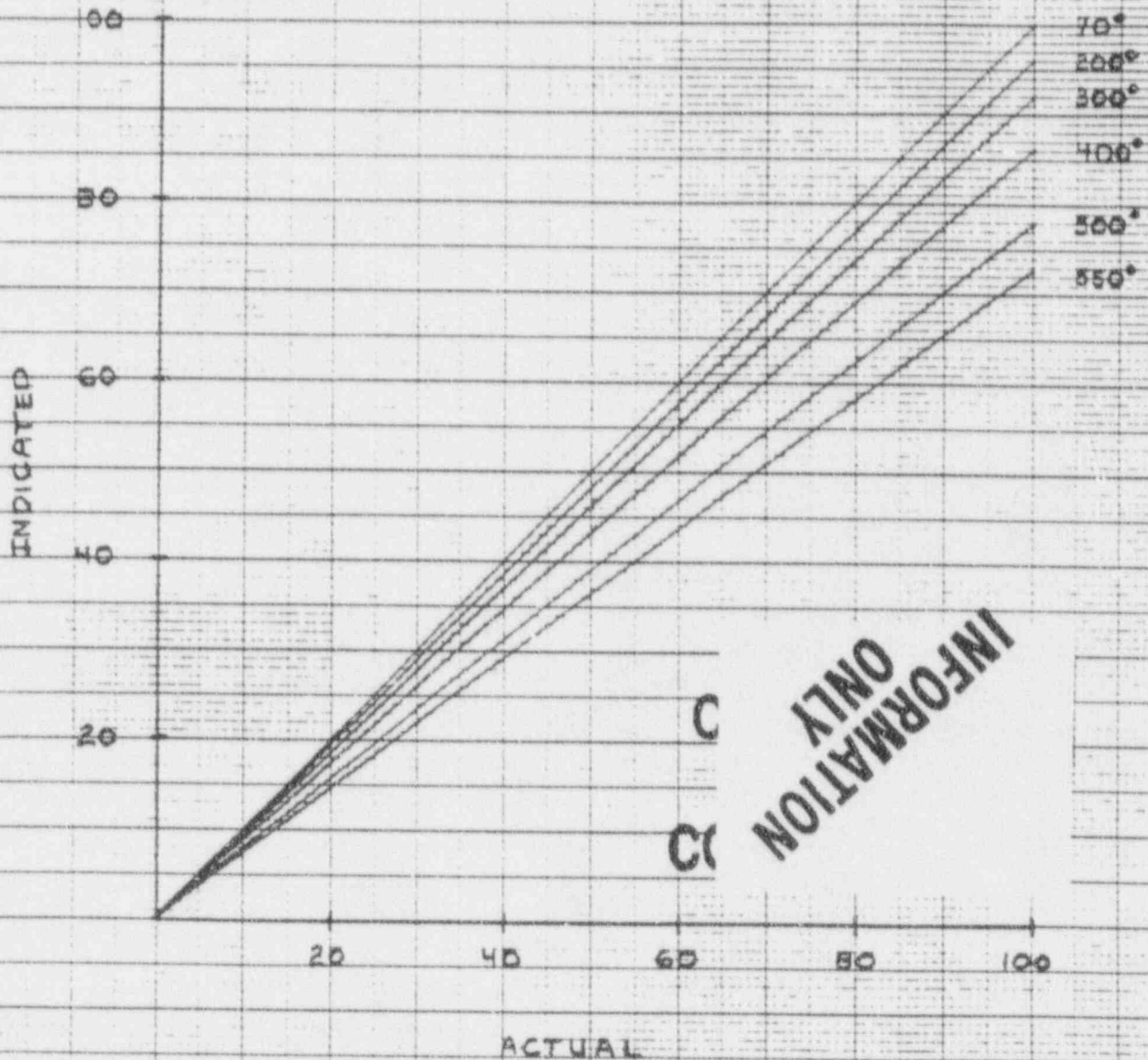
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Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	SG LEVEL 1/A	
Point ID:	L0403A	
Plant Spec Point Desc.:	STEAM GEN 31 W.R. LEVEL	
Generic/Cond Desc.:	STEAM GENERATOR 1 WATER LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	PCT	
Engr Units Conversion:	0-516" H ₂ O	
Minimum Instr Range:	0.0	
Maximum Instr Range:	100.0	
Zero Point Reference:	TUBSHT	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	EL 95 CNTMNT	
Alarm/Trip Set Points:	LO AT 43.0 HI AT 55.0	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:	N	
Level Reference Leg:	WET	
Unique System Desc:	INSTRUMENT IS CALIBRATED COLD. SEE ATTACHED GRAPH FOR ACTUAL LEVEL. AT 550° F HIGH LEVEL TRIP IS 68% LOW LEVEL TRIP IS 53% TOP OF TUBES IS 51% TRANSMITTER ID IS LT417D	

STEAM GENERATOR WIDE RANGE LEVEL

COLD CALIBRATION AT 70°F

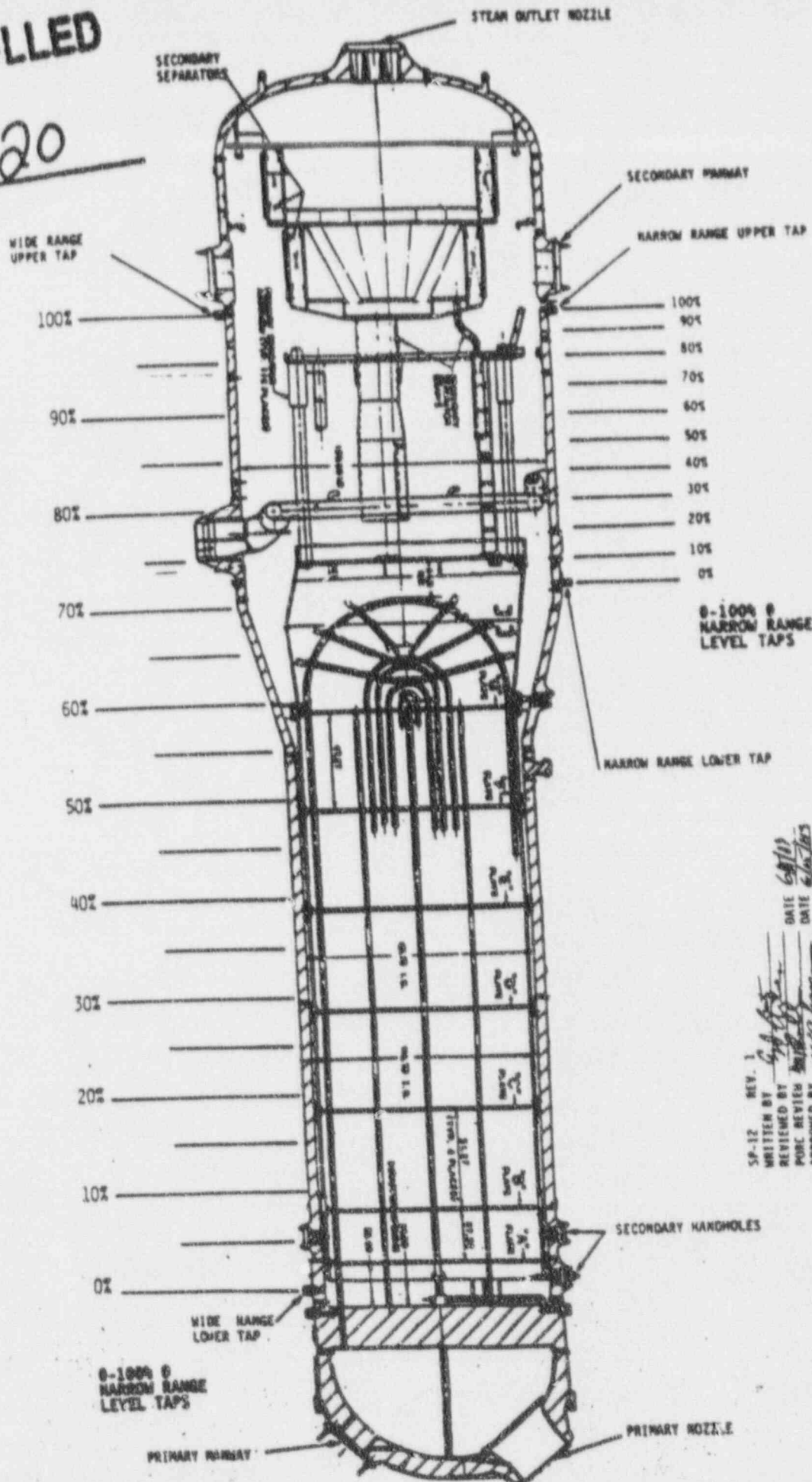
Written by: [Signature]
Reviewed by: [Signature]
Approved by: [Signature]
PORC Review: 4/20/10 12/29/10
Effective Date: 2/2/10

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LT-427 D
LT-437 D
LT-447 D



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WRITTEN BY
REVIEWED BY
POUC REVIEW
APPROVED BY
EFFECTIVE DATE

DATE 6/11/87
DATE 6/11/87

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	SG LEVEL 2/B	
Point ID:	L0423A	
Plant Spec Point Desc.:	STEAM GEN 32 W.R. LEVEL	
Generic/Cond Desc.:	STEAM GENERATOR 2 WATER LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	PCT	
Engr Units Conversion:	0-516" H ₂ O	
Minimum Instr Range:	0.0	
Maximum Instr Range:	100.0	
Zero Point Reference:	TUBSHT	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	EL 95 CNTMNT	
Alarm/Trip Set Points:	LO AT 43.0 HI AT 55.0	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:	N	
Level Reference Leg:	WET	
Unique System Desc:	INSTRUMENT IS CALIBRATED COLD. SEE ATTACHED GRAPH FOR ACTUAL LEVEL. AT 550° F HIGH LEVEL TRIP IS 68% LOW LEVEL TRIP IS 53% TOP OF TUBES IS 51% TRANSMITTER ID IS LT427D	

STEAM GENERATOR
WIDE RANGE LEVEL

COLD CALIBRATION AT 70°F

Written by:

Reviewed by:

Approved by:

PORC Review

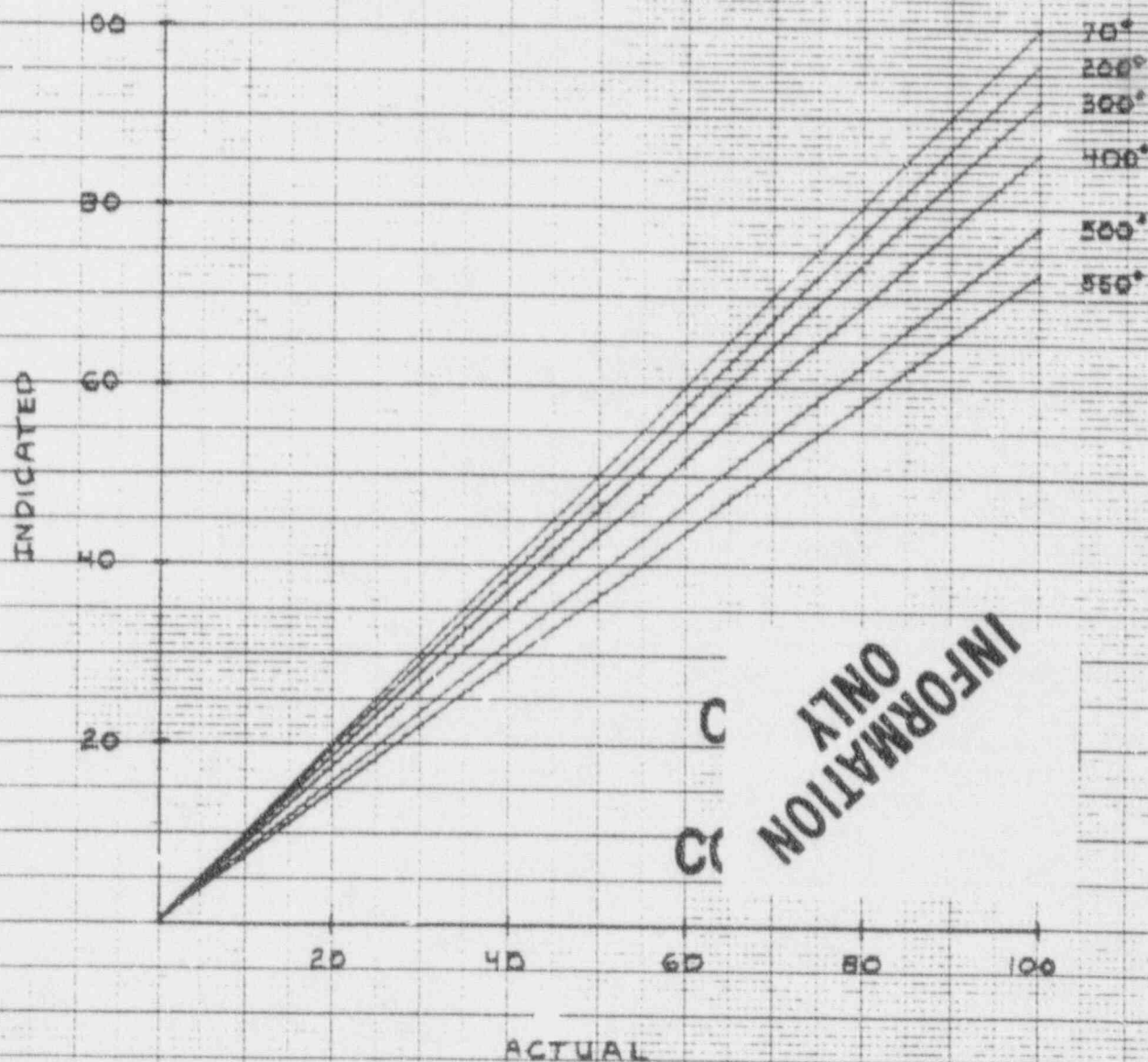
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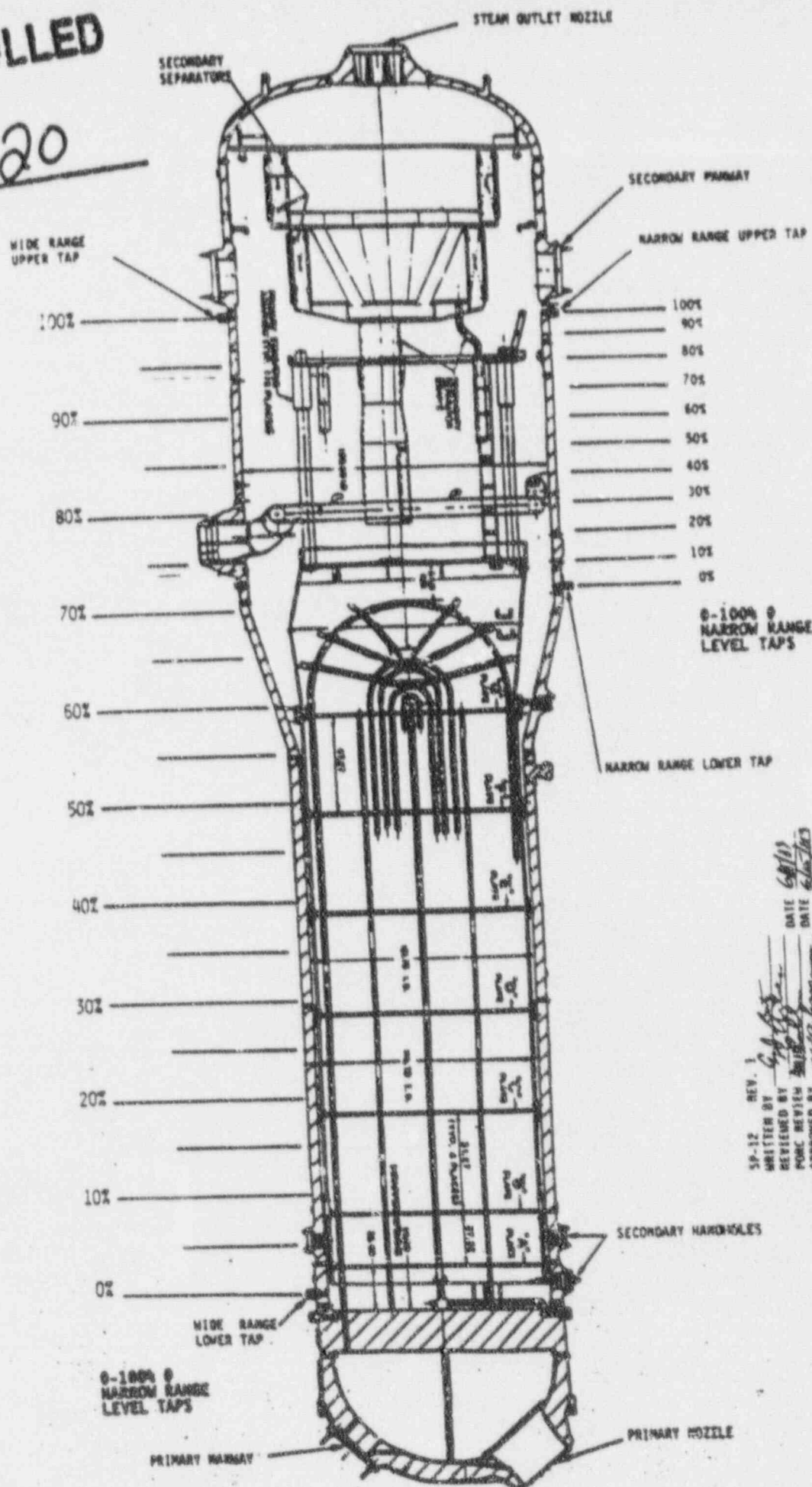
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REV. 1
WRITTEN BY
REVIEWED BY
PUBLIC REVIEW
APPROVED BY
EFFECTIVE DATE

DATE 6/1/83
DATE 6/1/83

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	SG LEVEL 3/C	
Point ID:	L0443A	
Plant Spec Point Desc.:	STEAM GEN 33 W.R. LEVEL	
Generic/Cond Desc.:	STEAM GENERATOR 3 WATER LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	PCT	
Engr Units Conversion:	0-516" H ₂ O	
Minimum Instr Range:	0.0	
Maximum Instr Range:	100.0	
Zero Point Reference:	TUBSHT	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	EL 95 CNTMNT	
Alarm/Trip Set Points:	LO AT 43.0 HI AT 55.0	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:	N	
Level Reference Leg:	WET	
Unique System Desc:	INSTRUMENT IS CALIBRATED COLD. SEE ATTACHED GRAPH FOR ACTUAL LEVEL. AT 550° F HIGH LEVEL TRIP IS 68% LO LEVEL TRIP IS 53% TOP OF TUBES IS 51% TRANSMITTER ID IS LT437D	

STEAM GENERATOR

WIDE RANGE LEVEL

COLD CALIBRATION AT 70°F

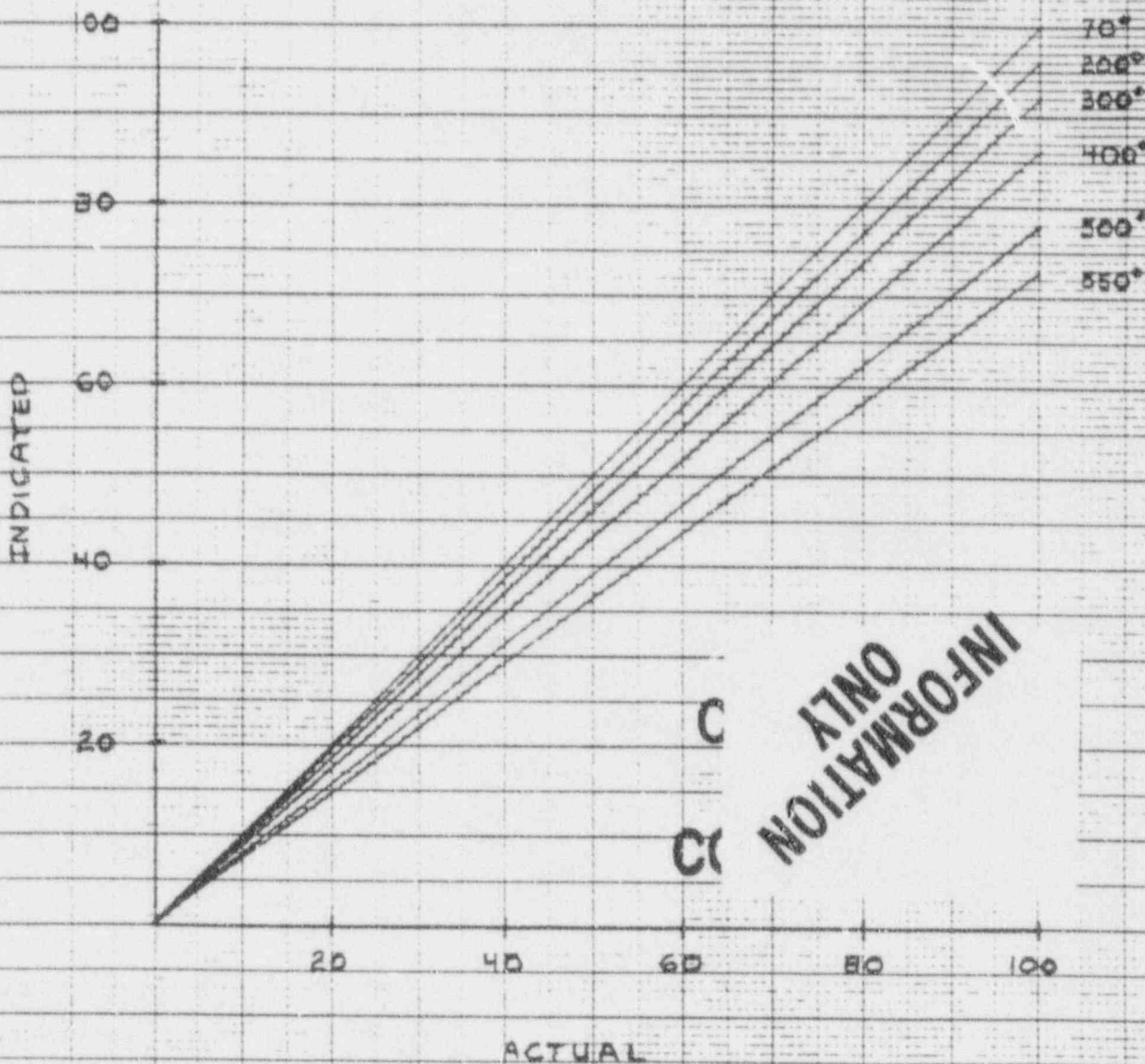
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 Reviewed by: [Signature]
 Approved by: [Signature]
 PORC Review 4/26/70
 Effective Date 5/6/70

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LT-4270

LT-4370

LT-4470



INFORMATION ONLY

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INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

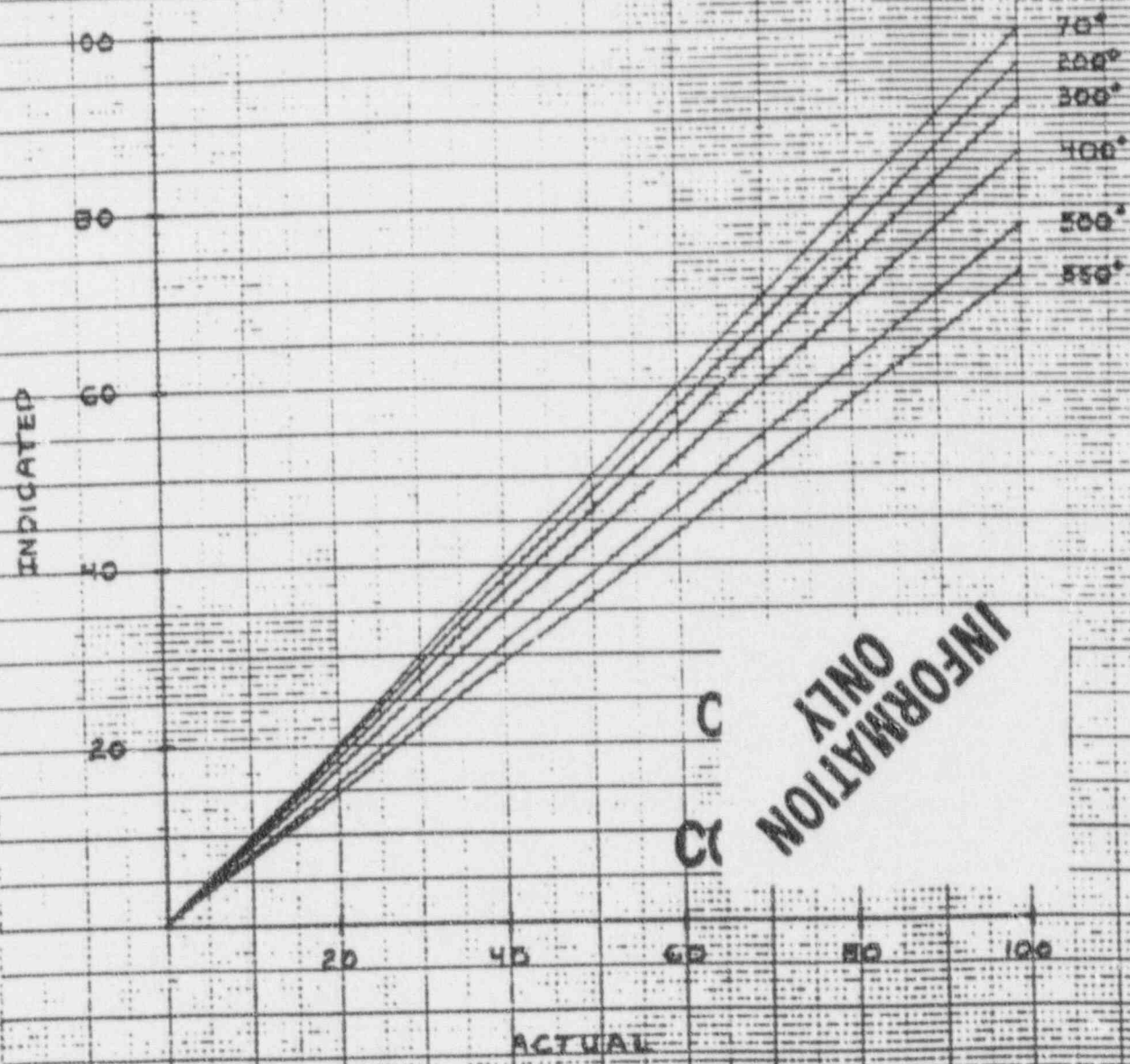
Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	SG LEVEL 4/D	
Point ID:	L0463A	
Plant Spec Point Desc.:	STEAM GEN 34 W.R. LEVEL	
Generic/Cond Desc.:	STEAM GENERATOR 4 WATER LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	PCT	
Engr Units Conversion:	0-516" H ₂ O	
Minimum Instr Range:	0.0	
Maximum Instr Range:	100.0	
Zero Point Reference:	TUBSHT	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	EL 95 CNTMNT	
Alarm/Trip Set Points:	LO AT 43.0 HI AT 55.0	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:	N	
Level Reference Leg:	WET	
Unique System Desc:	INSTRUMENT IS CALIBRATED COLD. SEE ATTACHED GRAPH FOR ACTUAL LEVEL. AT 550° F HIGH LEVEL TRIP IS 68% LOW LEVEL TRIP IS 53% TOP OF TUBES IS 51%. TRANSMITTER ID IS LT447D	

STEAM GENERATOR WIDE RANGE LEVEL

COLD CALIBRATION AT 70°F

Written by: [Signature]
Reviewed by: [Signature]
Approved by: [Signature]
PORC Review 4-20-10 - 1212/10
Effective Date 2/2/10

LT-4170
LT-4270
LT-4370
LT-4470



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100 N. 100 E. 100 S. 100 W.
100 N. 100 E. 100 S. 100 W.

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INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	AX FD FL 1/A	
Point ID:	F1200A	
Plant Spec Point Desc.:	AUX FEED FLOW TO SG31	
Generic/Cond Desc.:	STM GEN 1 AUXILIARY FW FLOW	
Analog/Digital:	A	
Engr Units/Dig States:	GPM	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	450.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	UPSTRM OF STM GEN 31 AUX FEED INLET	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES AUX FW FLOW INTO STM GEN 31 MAIN FW INLET HDR. TRANSMITTER ID IS FT1200	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	AX FD FL 2/B	
Point ID:	F1201A	
Plant Spec Point Desc.:	AUX FEED FLOW TO SG32	
Generic/Cond Desc.:	STM GEN 2 AUXILIARY FW FLOW	
Analog/Digital:	A	
Engr Units/Dig States:	GPM	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	450.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	UPSTRM OF STM GEN 32 AUX FEED INLET	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES AUX FW FLOW INTO STM GEN 32 MAIN FW INLET HDR. TRANSMITTER ID IS FT1201	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	AX FD FL 3/C	
Point ID:	F1202A	
Plant Spec Point Desc.:	AUX FEED FLOW TO SG33	
Generic/Cond Desc.:	STM GEN 3 AUXILIARY FW FLOW	
Analog/Digital:	A	
Engr Units/Dig States:	GPM	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	450.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	UPSTRM OF STM GEN 33 AUX FEED INLET	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES AUX FW FLOW INTO STM GEN 33 MAIN FW INLET HDR. TRANSMITTER ID IS FT1202	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	AX FD FL 4/D	
Point ID:	F1203A	
Plant Spec Point Desc.:	AUX FEED FLOW TO SG34	
Generic/Cond Desc.:	STM GEN 4 AUXILIARY FW FLOW	
Analog/Digital:	A	
Engr Units/Dig States:	GPM	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	450.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	UPSTRM OF STM GEN 34 AUX FEED INLET	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES AUX FW FLOW INTO STM GEN 34 MAIN FW INLET HDR. TRANSMITTER ID IS FT1203	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CL TEMP 1/A	
Point ID:	T0406A	
Plant Spec Point Desc.:	RCL LOOP 1 COLD LEG TEMP	
Generic/Cond Desc.:	STM GEN 1 OUTLET TEMPERATURE	
Analog/Digital:	A	
Engr Units/Dig States:	DEGF	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	700.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	RCS LOOP 1 COLD LEG	
Alarm/Trip Set Points:	HI/HI AT 700.00	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES RCS LOOP 1 COLD LEG TEMP DWSTRM OF RCP 31. TRANSMITTER ID IS TE413B	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CL TEMP 2/B	
Point ID:	T0426A	
Plant Spec Point Desc.:	RCL LOOP 2 COLD LEG TEMP	
Generic/Cond Desc.:	STM GEN 2 OUTLET TEMPERATURE	
Analog/Digital:	A	
Engr Units/Dig States:	DEGF	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	700.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	RCS LOOP 2 COLD LEG	
Alarm/Trip Set Points:	HI/HI AT 700.00	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES RCS LOOP 2 COLD LEG TEMP DWSTRM OF RCP 32. TRANSMITTER ID IS TE423B	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CL TEMP 3/C	
Point ID:	T0446A	
Plant Spec Point Desc.:	RCL LOOP 3 COLD LEG TEMP	
Generic/Cond Desc.:	STM GEN 3 OUTLET TEMPERATURE	
Analog/Digital:	A	
Engr Units/Dig States:	DEGF	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	700.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	RCS LOOP 3 COLD LEG	
Alarm/Trip Set Points:	HI/HI AT 700.00	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES RCS LOOP 3 COLD LEG TEMP DWSTRM OF RCP 33. TRANSMITTER ID IS TE473B	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CL TEMP 4/D	
Point ID:	T0466A	
Plant Spec Point Desc.:	RCL LOOP 4 COLD LEG TEMP	
Generic/Cond Desc.:	STM GEN 4 OUTLET TEMPERATURE	
Analog/Digital:	A	
Engr Units/Dig States:	DEGF	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	700.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	RCS LOOP 4 COLD LEG	
Alarm/Trip Set Points:	HI/HI AT 700.00	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES RCS LOOP 4 COLD LEG TEMP DWSTRM OF RCP 34. TRANSMITTER ID IS TE443B	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	HL TEMP 1/A	
Point ID:	T0419A	
Plant Spec Point Desc.:	RCL LOOP 1 HOT LEG TEMP	
Generic/Cond Desc.:	STM GEN 1 INLET TEMPERATURE	
Analog/Digital:	A	
Engr Units/Dig States:	DEGF	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	700.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	RCS LOOP 1 HOT LEG	
Alarm/Trip Set Points:	HI/HI AT 700.00	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES RCS LOOP 1 HOT LEG TEMP UPSTRM OF STM GEN 31. TRANSMITTER ID IS TE413A	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/03	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	HL TEMP 2/B	
Point ID:	T0439A	
Plant Spec Point Desc.:	RCL LOOP 2 HOT LEG TEMP	
Generic/Cond Desc.:	STM GEN 2 INLET TEMPERATURE	
Analog/Digital:	A	
Engr Units/Dig States:	DEGF	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	700.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	RCS LOOP 2 HOT LEG	
Alarm/Trip Set Points:	HI/HI AT 700.00	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES RCS LOOP 2 HOT LEG TEMP UPSTRM OF STM GEN 32. TRANSMITTER ID IS TE423A.	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	HL TEMP 3/C	
Point ID:	T0459A	
Plant Spec Point Desc.:	RCL LOOP 3 HOT LEG TEMP	
Generic/Cond Desc.:	STM GEN 3 INLET TEMPERATURE	
Analog/Digital:	A	
Engr Units/Dig States:	DEGF	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	700.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	RCS LOOP 3 HOT LEG	
Alarm/Trip Set Points:	HI/HI AT 700.00	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES RCS LOOP 3 HOT LEG TEMP UPSTRM OF STM GEN 33. TRANSMITTER ID IS TE433A	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	HL TEMP 4/D	
Point ID:	T0479A	
Plant Spec Point Desc.:	RCL LOOP 4 HOT LEG TEMP	
Generic/Cond Desc.:	STM GEN 4 INLET TEMPERATURE	
Analog/Digital:	A	
Engr Units/Dig States:	DEGF	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	700.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	RCS LOOP 4 HOT LEG	
Alarm/Trip Set Points:	HI/HI AT 700.00	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES RCS LOOP 4 HOT LEG TEMP UPSTRM OF STM GEN 34. TRANSMITTER ID IS TE443A	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93
Reactor Unit:	IP3
Data Feeder:	N/A
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	P0499A
Plant Spec Point Desc.:	RCS PRESSURE LOOP 4
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0.0
Maximum Instr Range:	3000.0
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	N/A
How Processed:	N/A
Sensor Locations:	RCS LOOP 4 HOT LEG
Alarm/Trip Set Points:	HI AT 2290 HI/HI AT 2320
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc:	SENSES RCS LOOP 4 HOT LEG PRESSURE UPSTRM OF STM GEN 34. TRANSMITTER ID IS PT403.

DATA POINT LIBRARY REFERENCE FILE

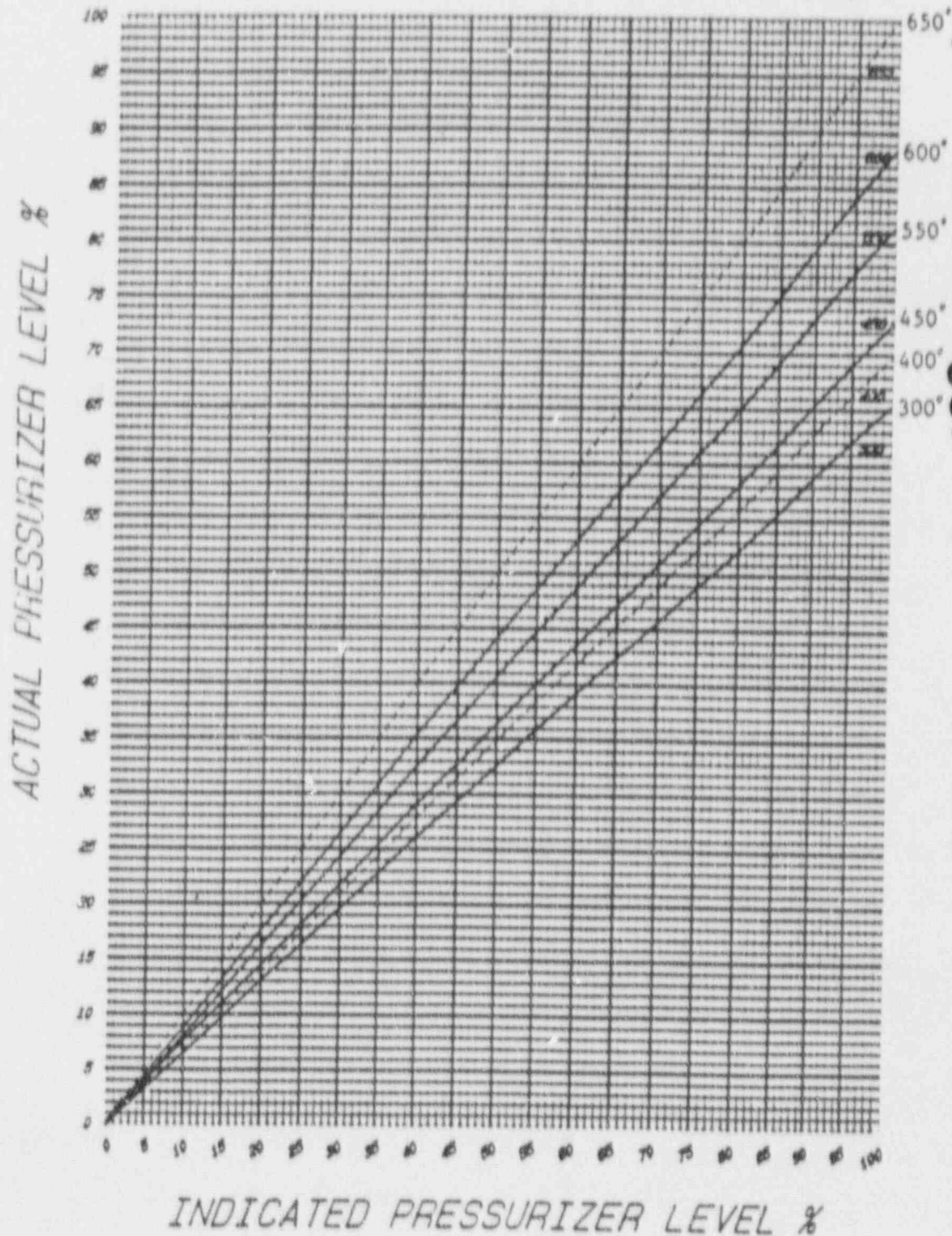
Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	RCS PRESSURE	
Point ID:	Y9007A	
Plant Spec Point Desc.:	RCS PRESSURE LOOP 1	
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE	
Analog/Digital:	A	
Engr Units/Dig States:	PSIG	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	3000.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	RCS LOOP 1 HOT LEG	
Alarm/Trip Set Points:	HI AT 2290 HI/HI AT 2320	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES RCS LOOP 1 HOT LEG PRESSURE UPSTRM OF STM GEN 31. TRANSMITTER ID IS PT402.	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	PRZR LEVEL	
Point ID:	KAVGPZRL	
Plant Spec Point Desc.:	MEDIAN HIGH PRZR LEVEL	
Generic/Cond Desc.:	PRIMARY SYSTEM PRZR LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	PCT	
Engr Units Conversion:	58.1 - 321.8" H ₂ O	
Minimum Instr Range:	0.0	
Maximum Instr Range:	321.8	
Zero Point Reference:	TRK BOT	
Reference Point Notes:	N/A	
PROC or SENS:	P	
Number of Sensors:	3	
How Processed:	MEDIAN	
Sensor Locations:	EL68 CNTMNT	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:	N	
Level Reference Leg:	WET	
Unique System Desc:	THIS POINT IS THE HIGH MEDIAN OF THREE W.R. LEVEL SIGNALS (CALIBRATED FOR 650°F - SEE ATTACHED GRAPH). THE POINT IS FLAGGED UNRELIABLE IF ALL THREE SIGNALS ARE NOT GOOD. TOP OF HEATER IS AT 15%.	

GRAPH RCS-3A (REV. 1) DENSITY COMPENSATION FOR HOT CALIBRATED LT-459, LT-460, AND LT-461 @ 650°F



NOTE: ALL TEMPERATURES REFER
 TO PRESSURIZER TEMPERATURE
 IN DEGREES FAHRENHEIT

**ATNOCN
 INFORMATION
 COP**

Written By: *[Signature]*
 Reviewed By: *[Signature]*
 PORC Review *[Signature]* Date 7/20/87
 Approved By: *[Signature]* Date 7/20/87
 Effective Date 7/20/87

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	RC5 CHG/MU	
Point ID:	F0128A	
Plant Spec Point Desc.:	CHARGING PUMP DISCHARGE FLOW	
Generic/Cond Desc.:	PRIM SYS CHARGING OR MAKEUP FLOW	
Analog/Digital:	A	
Engr Units/Cig States:	GPM	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	125.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	CHARGING LINE UPSTRM OF REGEN HX	
Alarm/Trip Set Points:	HI/HI AT 125.0	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	SENSES TOTAL CHARGING FLOW TO REGENERATE HX. TRANSMITTER ID IS FT128	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	NOT LISTED	
Point ID:	L1253A	
Plant Spec Point Desc.:	CONTAINMENT LEVEL	
Generic/Cond Desc.:	CONTAINMENT LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	FT	
Engr Units Conversion:	N/A	
Minimum Instr Range:	46.00	
Maximum Instr Range:	54.00	
Zero Point Reference:	CNTFLR	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	CNTMNT EL 46	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	DRY	
Unique System Desc:	APPROXIMATELY 7000 GAL/INCH. TRANSMITTER ID IS LT1253	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

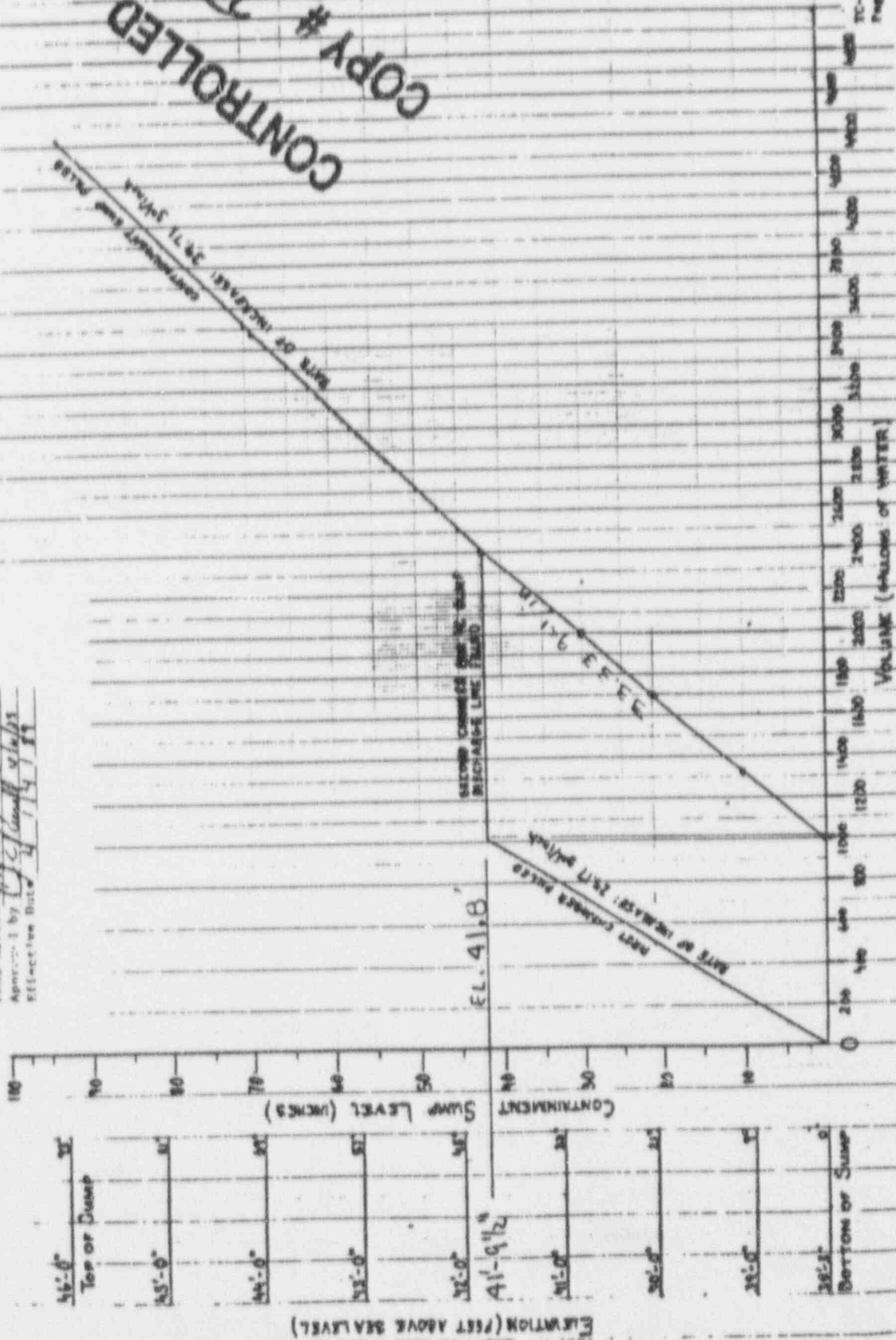
Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	NOT LISTED	
Point ID:	L1254A	
Plant Spec Point Desc.:	CONTAINMENT LEVEL	
Generic/Cond Desc.:	CONTAINMENT LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	FT	
Engr Units Conversion:	N/A	
Minimum Instr Range:	46.00	
Maximum Instr Range:	54.00	
Zero Point Reference:	CNTFLR	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	CNTMNT EL 46	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A.	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	DRY	
Unique System Desc:	APPROXIMATELY 7000 GAL/INCH, TRANSMITTER ID IS LT1254	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CTMNT SMP WR	
Point ID:	L1255A	
Plant Spec Point Desc.:	CONTAINMENT SUMP LEVEL	
Generic/Cond Desc.:	CONTAINMENT SUMP WR LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	FT	
Engr Units Conversion:	N/A	
Minimum Instr Range:	38.25	
Maximum Instr Range:	48.25	
Zero Point Reference:	TNKBOT	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	BOTTOM OF CNTMNT SUMP	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	DRY	
Unique System Desc:	AT 41.8 FT, THE CONTAINMENT SUMP HOLDS 2400 GALS IN TWO CHAMBERS. FROM 41.8 FT TO 46 FT (TOP OF SUMP) THERE IS A 476 GAL/INCH INCREASE. TRANSMITTER ID IS LT1255	

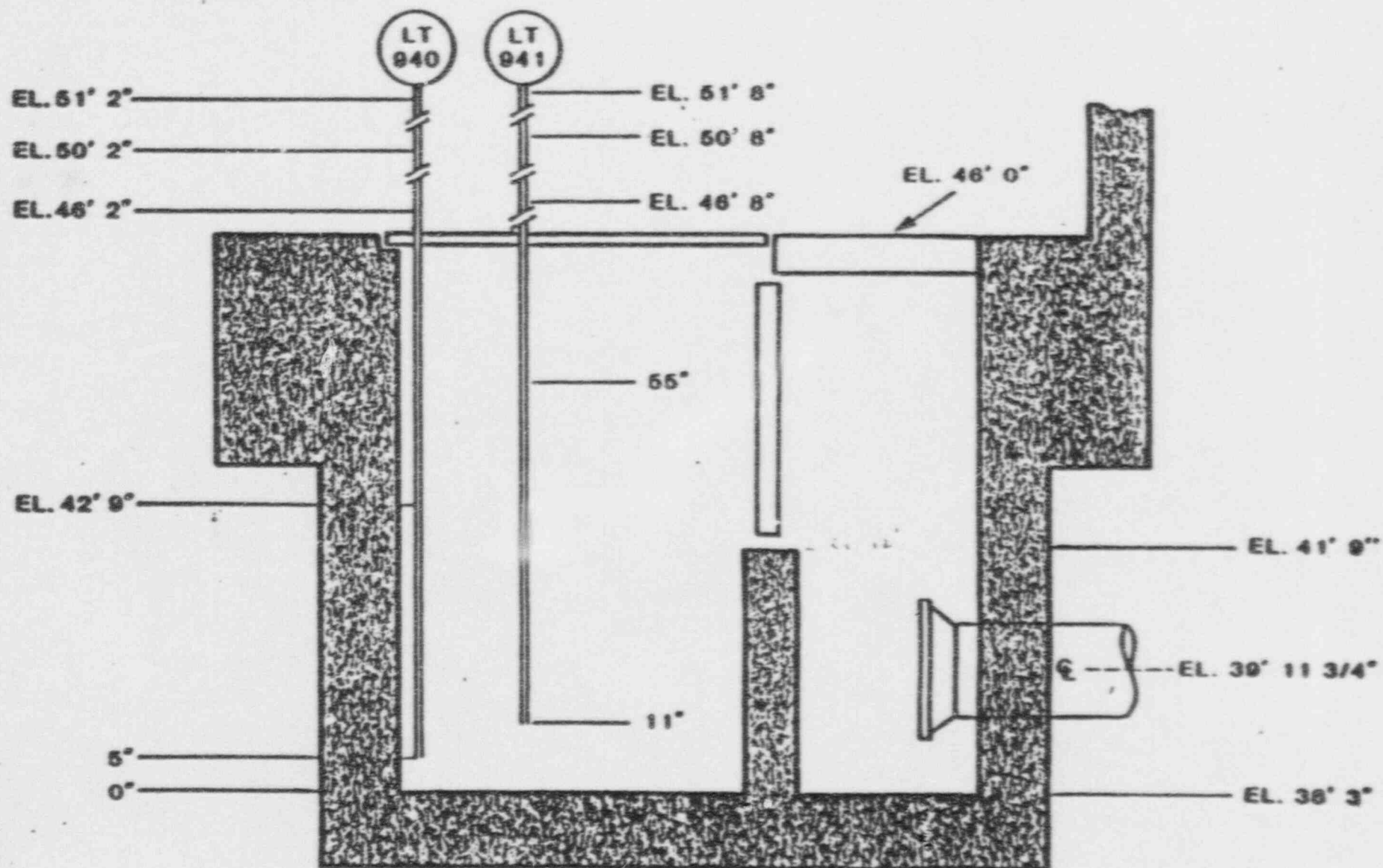
INDIAN POINT UNIT 3
CONTAINMENT JUMP - LEVEL/VOLUME TC-20 Rev. 1

Written by: *Michael J. G. Jones*
Reviewed by: *John J. Jones*
PISC Review: *4/11/89*
Approved by: *J. J. Jones*
Effective Date: *4/14/89*



COPY # 20
CONTROLLED

CONTAINMENT SUMP



INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CTMNT SMP WR	
Point ID:	L1256A	
Plant Spec Point Desc.:	CONTAINMENT SUMP LEVEL	
Generic/Cond Desc.:	CONTAINMENT SUMP WR LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	FT	
Engr Units Conversion:	N/A	
Minimum Instr Range:	38.25	
Maximum Instr Range:	48.25	
Zero Point Reference:	TNKBOT	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	BOTTOM OF CNTMNT SUMP	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	DRY	
Unique System Desc:	AT THE 41.8 FT, THE CONTAINMENT SUMP HOLDS 2400 GAL IN TWO CHAMBERS. FROM 41.8 FT TO 46 FT (TOP OF SUMP) THERE IS A 476 GAL/INCH INCREASE. TRANSMITTER ID IS LT1256	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/33	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	EFF GAS RAD	
Point ID:	R0027A	
Plant Spec Point Desc.:	PLANT VENT RADIATION	
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES	
Analog/Digital:	A	
Engr Units/Dig States:	UCI/S	
Engr Units Conversion:	N/A	
Minimum Instr Range:	10.0E+00	
Maximum Instr Range:	10.0E+12	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	P	
Number of Sensors:	4	
How Processed:	SEE SYS DESC.	
Sensor Locations:	80' PURGE VALVE	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITORING SYSTEM USES OUTPUTS FROM A SCINTILLATION/PM TUBE, SOLID STATE SENSORS AND FLOW TRANSMITTERS TO PROVIDE THE RADIATION RELEASE RATE OF THE PLANT VENT. TRANSMITTER ID IS R27	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	EFF LIQ RAD	
Point ID:	R0018A	
Plant Spec Point Desc.:	LIQUID WASTE DISPOSAL RADIATION	
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQ	
Analog/Digital:	A	
Engr Units/Dig States:	UCI/CC	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000E - 07	
Maximum Instr Range:	1.000E - 01	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC	
Sensor Locations:	34' PAB WASTE CONDENSATE	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITOR USES A CRYSTAL SCINTILLATION/PM TUBE THAT PRODUCES AN OUTPUT PROPORTIONAL TO THE LEVEL OF GAMMA RADIATION IN THE WASTE DISPOSAL SYSTEM LIQUID RELEASES. TRANSMITTER ID IS R18.	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	COND A/E RAD	
Point ID:	R0015A	
Plant Spec Point Desc.:	STEAM AIR EJECTOR RADIATION	
Generic/Cond Desc.:	COND AIR EJECTOR RADIOACTIVITY	
Analog/Digital:	A	
Engr Units/Dig States:	UCI/CC	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000E-06	
Maximum Instr Range:	1.000E-00	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	55' TURB A/E EXH	
Alarm/Trip Set Points:	HI/HI AT 0.400	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:		
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITOR USES A SCINTILLATION/PM TUBE THAT PRODUCES AN OUTPUT PORPORTIONAL TO THE LEVEL OF GAMMA RADIATION IN THE DISCHARGE OF THE AIR EJECTOR EXHAUST HEADER. TRANSMITTER ID IS R15.	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CNTMNT RAD	
Point ID:	R0025A	
Plant Spec Point Desc.:	CNTMNT HIGH RAD MONITOR 1	
Generic/Cond Desc.:	RADIATION LEVEL IN CNTMNT	
Analog/Digital:	A	
Engr Units/Dig States:	R/HR	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000E+00	
Maximum Instr Range:	1.000E+08	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	95' CNTMNT WEST	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITOR USES A GAMMA IONIZATION CHAMBER THAT PRODUCES AN OUTPUT PROPORTIONAL TO THE RADIATION LEVEL IN THE CONTAINMENT. TRANSMITTER ID IS R25	

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CNTMNT RAD	
Point ID:	R0026A	
Plant Spec Point Desc.:	CNTMNT HIGH RAD MONITOR 2	
Generic/Cond Desc.:	RADIATION LEVEL IN CNTMNT	
Analog/Digital:	A	
Engr Units/Dig States:	R/HR	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000E+00	
Maximum Instr Range:	1.000E+08	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	95' CNTMNT EAST	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITOR USES A GAMMA IONIZATION CHAMBER THAT PRODUCES AN OUTPUT PROPORTIONAL TO THE RADIATION LEVEL IN THE CONTAINMENT. TRANSMITTER ID IS R26	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	NOT LISTED	
Point ID:	R0004A	
Plant Spec Point Desc.:	CHARGING PUMP ROOM RAD	
Generic/Cond Desc.:	CHARGING PUMP ROOM RAD	
Analog/Digital:	A	
Engr Units/Dig States:	MR/HR	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.100E+00	
Maximum Instr Range:	10.000E+03	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N	
How Processed:	SEE SYS DESC.	
Sensor Locations:	ACCESS TO CHG PUMP ROOMS	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITOR USES A G-M TUBE THAT PRODUCES AN OUTPUT PROPORTIONAL TO THE EQUIVALENT GAMMA RADIATION DOSE RATE AT THE ACCESS TO THE CHARGING PUMP ROOMS. TRANSMITTER ID IS R04	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	MAIN SL 1/A	
Point ID:	R062AA	
Plant Spec Point Desc.:	STEAM LINE 31 RADIATION	
Generic/Cond Desc.:	STM GEN 1 STEAM LINE RAD LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	UCI/CC	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000E - 04	
Maximum Instr Range:	1.000E +01	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	AUX BOILER FD BLDG STEAM BRIDGE	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITOR USES A G-M TUBE THAT PRODUCES AN OUTPUT PROPORTIONAL TO THE EQUIVALENT GAMMA RADIATION DOSE RATE ADJACENT TO STEAM LINE 31. TRANSMITTER ID IS R62A	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	MAIN SL 2/B	
Point ID:	R062BA	
Plant Spec Point Desc.:	STEAM LINE 32 RADIATION	
Generic/Cond Desc.:	STM GEN 2 STEAM LINE RAD LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	UCI/CC	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000E - 04	
Maximum Instr Range:	1.000E +01	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	AUX BOILER FD BLDG STEAM BRIDGE	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITOR USES A G-M TUBE THAT PRODUCES AN OUTPUT PROPORTIONAL TO THE EQUIVALENT GAMMA RADIATION DOSE RATE ADJACENT TO STEAM LINE 32. TRANSMITTER ID IS R62B	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	MAIN SL 3/C	
Point ID:	R062CA	
Plant Spec Point Desc.:	STEAM LINE 33 RADIATION	
Generic/Cond Desc.:	STM GEN 3 STEAM LINE RAD LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	UCI/CC	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000E - 04	
Maximum Instr Range:	1.000E + 01	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	AUX BOILER FD BLDG STEAM BRIDGE	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITOR USES A G-M TUBE THAT PRODUCES AN OUTPUT PROPORTIONAL TO THE EQUIVALENT GAMMA RADIATION DOSE RATE ADJACENT TO STEAM LINE 33. TRANSMITTER ID IS R62C	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	MAIN SL 4/D	
Point ID:	R062DA	
Plant Spec Point Desc.:	STEAM LINE 34 RADIATION	
Generic/Cond Desc.:	STM GEN 4 STEAM LINE RAD LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	UCI/CC	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000E - 04	
Maximum Instr Range:	1.000E + 01	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	AUX BOILER FD BLDG STEAM BRIDGE	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITOR USES A G-M TUBE THAT PRODUCES AN OUTPUT PROPORTIONAL TO THE EQUIVALENT GAMMA RADIATION DOSE RATE ADJACENT TO STEAM LINE 34. TRANSMITTER ID IS R62D	

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	NOT LISTED	
Point ID:	R0019A	
Plant Spec Point Desc.:	STM GEN BLOWDOWN RADIATION	
Generic/Cond Desc.:	STM GEN BLOWDOWN RADIATION	
Analog/Digital:	A	
Engr Units/Dig States:	UCI/CC	
Engr Units Conversion:	N/A	
Minimum Instr Range:	1.000E - 06	
Maximum Instr Range:	1.000E + 02	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	SEE SYS DESC.	
Sensor Locations:	PAB PIPE CHASE TO MINI CNTMNT	
Alarm/Trip Set Points:	HI/HI AT 14.000	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS MONITOR USES A CRYSTAL SCINTILLATION/PM TUBE THAT PRODUCES AN OUTPUT PROPORTIONAL TO THE LEVEL OF GAMMA RADIATION IN A STEAM GENERATOR BLOWDOWN SAMPLE. TRANSMITTER ID IS R19	

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CTMNT PRESS	
Point ID:	P1421A	
Plant Spec Point Desc.:	CONTAINMENT HIGH PRESS	
Generic/Cond Desc.:	CONTAINMENT PRESSURE	
Analog/Digital:	A	
Engr Units/Dig States:	PSIG	
Engr Units Conversion:	N/A	
Minimum Instr Range:	-5.0	
Maximum Instr Range:	200.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	PAB EL 49	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	TRANSMITTER ID IS PT1421	

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CTMNT PRESS	
Point ID:	P1422A	
Plant Spec Point Desc.:	CONTAINMENT HIGH PRESS	
Generic/Cond Desc.:	CONTAINMENT PRESSURE	
Analog/Digital:	A	
Engr Units/Dig States:	PSIG	
Engr Units Conversion:	N/A	
Minimum Instr Range:	-5.0	
Maximum Instr Range:	200.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	PAB EL 49	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	TRANSMITTER ID IS PT1422	

INDIAN POINT UNIT #3
DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reacto: Unit:	IP3	
Data Feeder:	N/A	
NRC ERDS Parameter:	CTMNT TEMP	
Point ID:	T0160A	
Plant Spec Point Desc.:	CONTAINMENT AVERAGE TEMP	
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE	
Analog/Digital:	A	
Engr Units/Dig States:	DEGF	
Engr Units Conversion:	N/A	
Minimum Instr Range:	40.0	
Maximum Instr Range:	400.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	P	
Number of Sensors:	5	
How Processed:	AVERAGE	
Sensor Locations:	CTMNT CRANE WALL ABOVE INLET TO FCU	
Alarm/Trip Set Points:	NONE	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	THIS POINT IS A SINGLE SIGNAL INPUT TO THE COMPUTER WHICH REPRESENTS THE AVERAGE OF 5 RTD SIGNALS. TRANSMITTER ID IS TC1416	

INDIAN POINT UNIT #3

DATA POINT LIBRARY REFERENCE FILE

Date:	01/29/93	
Reactor Unit:	IP3	
Data Feeder:	N/A	
MRC ERDS Parameter:	BWST LEVEL	
Point ID:	L0933A	
Plant Spec Point Desc.:	RWST LEVEL	
Generic/Cond Desc.:	BORATED WATER STORAGE TANK LEVEL	
Analog/Digital:	A	
Engr Units/Dig States:	FT	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0.0	
Maximum Instr Range:	40.0	
Zero Point Reference:	TNKBOT	
Reference Point Notes:	12002 GAL REMAIN AT ZERO POINT	
PROC or SENS:	S	
Number of Sensors:	N/A	
How Processed:	N/A	
Sensor Locations:	RWST	
Alarm/Trip Set Points:	LO AT 13.0	
NI Detector Power Supply Cut-off Power Level:	N/A	
NI Detector Power Supply Turn-on Power Level:	N/A	
Instrument Failure Mode:	N/A	
Temperature Compensation For DP Transmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	INSTRUMENT IS A DIRECT READING PRESSURE XMTR. APPROXIMATELY 9330 GAL/INCH. TRANSMITTER ID IS LT920	

CONTROLLED

TC-11 Rev. 3

Written By EUGENE BOLT

Reviewed By _____

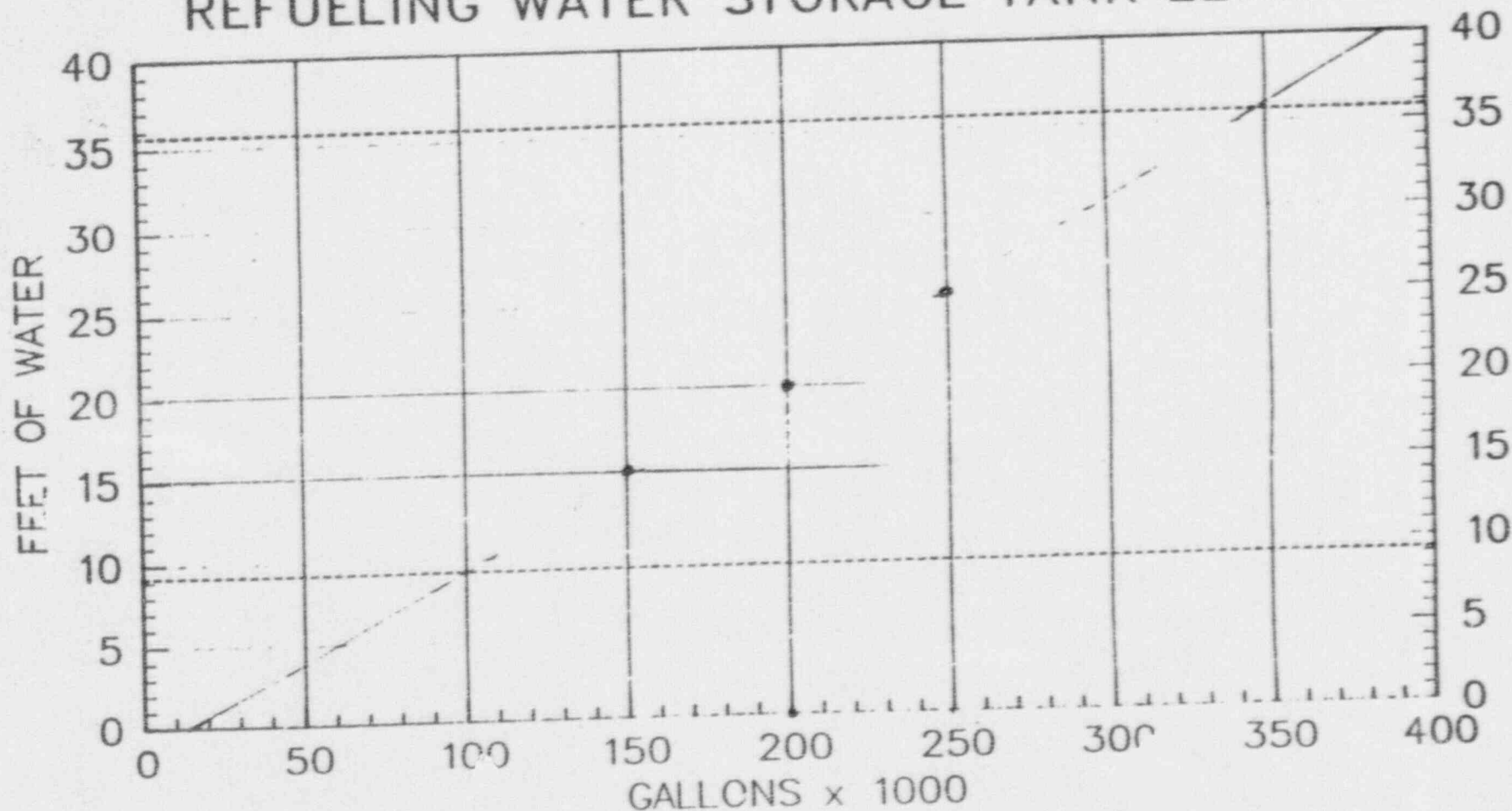
PORC Review Date 11/1/92

Approved [Signature]

Effective Date 11-8-92

COPY # 20

REFUELING WATER STORAGE TANK LEVEL



9.22 ft = 99,475 gallons (T.S. Lo-Lo Level)
35.67 ft = 346,870 gallons (T.S. Low Level)