Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000

June 14, 2012

10 CFR 50.34(b)

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Watts Bar Nuclear Plant Unit 2
Docket No. 50-391

Subject: **Watts Bar Nuclear Plant (WBN) Unit 2 – NUREG-0847 Supplemental Safety Evaluation Report (SSER) Related to the Operation of Watts Bar Nuclear Plant, Unit 2, Appendix HH Open Item 41 - Emergency Response Data System (ERDS) and Inspection Planning and Scheduling Item No. 519**

References:

1. TVA letter to NRC dated April 27, 2010, "Watts Bar Nuclear Plant (WBN) Unit 2 - Response to U.S. Nuclear Regulatory Commission Request for Additional Information Regarding Radiological Emergency Plan (TAC No. ME0853)"

2. U.S. Nuclear Regulatory Commission Safety Evaluation Report, "Related to the Operation of Watts Bar Nuclear, Unit 2, Docket No. 50-391, Tennessee Valley Authority, Supplement 22 (SSER22) Published February 2011"

3. TVA letter to NRC dated November 14, 2011, "Watts Bar Nuclear Plant (WBN) Unit 2 - Instrumentation and Controls Staff Information Requests"

The purpose of this letter is to provide information to address the first part of SSER 22, Appendix HH, Item No. 41 (Reference 2). Part 1 of this SSER item requested an update to the plant data displays to include Unit 2. TVA had previously committed in Reference 1 to provide this update. Enclosure 1 provides the Unit 2 Data Point Library (DPL) which reflects Unit 2 configuration. It should be noted that the plant data displays will not be fully functional nor operational until final field work has been completed and

A026
NRR

systems placed into service. Part 2 of this SSER item, for updating dose assessment models, will be provided by separate correspondence. This information will also satisfy the commitment to provide a revised DPL in Reference 3 and is associated with Inspection Planning and Scheduling (IPS) Item No. 519. Enclosure 2 provides the commitment made in this letter.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 14th day of June, 2012.

Respectfully,

R.A. Hruby, Jr.

Raymond A. Hruby, Jr.
General Manager, Technical Services
Watts Bar Unit 2

Enclosures:

1. Response to SSER 22, Appendix HH, Open Item 41 and IPS No. 519
2. List of Commitments

cc (Enclosures):

U. S. Nuclear Regulatory Commission
Region II
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, Georgia 30303-1257

NRC Resident Inspector Unit 2
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, Tennessee 37381

SSER 22 EXCERPT

"**Regulatory Basis:** Planning standard 10 CFR 50.47(b)(9) requires that adequate methods, systems, and equipment for assessing and monitoring actual or potential offsite consequences of a radiological emergency condition be provided for use. Section IV.E of Appendix E to 10 CFR Part 50 provides supporting requirements.

Technical Evaluation: In Section 13.3.2.9 of SSER 13, the NRC staff described its evaluation of the accident assessment capabilities in the WBN REP and its finding that TVA had met the planning standard 10 CFR 50.47(b)(9) for Unit 1. TVA's subsequent performance in actual emergency events, periodic emergency exercises, and periodic routine and supplemental inspections continue to support the findings made by the staff regarding the accident assessment capabilities described in the WBN REP. TVA proposes to use the same accident assessment capabilities for Unit 2 as it has used for Unit 1.

In its April 27, 2010, response to RAI 9, TVA stated that Unit 1 and Unit 2 will share a common control room, TSC, and OSC and that the Unit 1 facilities in place were originally designed and built to serve both units. As described in SSER 13, TVA's CECC, located in Chattanooga, TN, serves as the EOF for Unit 1 and will serve as the EOF for Unit 2. TVA also committed to **(1)** updating plant data displays as necessary to include Unit 2 and **(2)** updating dose assessment models to provide capabilities for assessing releases from both WBN units. The staff plans to confirm the adequacy of these items before issuance of the Unit 2 OL. This is Open Item 41 (Appendix HH)."

TVA Response:

TVA has updated the plant data displays to include Unit 2. Provided in the attachment to this enclosure is a document entitled, "Watts Bar Nuclear Plant (WBN) Unit 2, Emergency Response Data System (ERDS), Data Point Library (DPL), Revision 0," which reflects the addition of Unit 2 to the Emergency Response Data System but also satisfies the previous TVA commitment in the April 27, 2010 letter.

ATTACHMENT

WATTS BAR NUCLEAR PLANT (WBN) UNIT 2
EMERGENCY RESPONSE DATA SYSTEM (ERDS)
DATA POINT LIBRARY (DPL)
REVISION 0

WATTS BAR NUCLEAR PLANT (WBN) UNIT 2
EMERGENCY RESPONSE DATA SYSTEM (ERDS)
DATA POINT LIBRARY (DPL)
REVISION 0

ERDS POINT NO.	NRC ERDS PARAMETER	POINT ID	PLANT SPECIFIC POINT DESCRIPTION
1		SIMULATION	INDICATES REAL OR SIMULATED DATA
2	NI POWER RNG	UN2000	AVERAGE POWER RANGE LEVEL
3	NI INTER RNG	UN1015	INTER RANGE FLUX
4	NI SOURC RNG	UN1014	SOURCE RANGE FLUX
5	REAC VES LEV	QC0117	RVLIS MINIMUM
6	TEMP CORE EX	QC0509	MAX OF INCORE TEMPS THRU T58
7	SUB MARGIN	QC0107	MINIMUM RCS SUBCOOLING
8	SG LEVEL 1/A	UL1001	SG 1 NR LEVEL AVG
9	SG LEVEL 2/B	UL1002	SG 2 NR LEVEL AVG
10	SG LEVEL 3/C	UL1003	SG 3 NR LEVEL AVG
11	SG LEVEL 4/D	UL1004	SG 4 NR LEVEL AVG
12	SG PRESS 1/A	UP1002	SG 1 MS PRESSURE AVG
13	SG PRESS 2/B	UP1003	SG 2 MS PRESSURE AVG
14	SG PRESS 3/C	UP1004	SG 3 MS PRESSURE AVG
15	SG PRESS 4/D	UP1005	SG 4 MS PRESSURE AVG
16	MN FD FL 1/A	U0410	SG #1 UNCOMPENSATED FW FLOW AVERAGE
17	MN FD FL 2/B	U0430	SG #2 UNCOMPENSATED FW FLOW AVERAGE
18	MN FD FL 3/C	U0450	SG #3 UNCOMPENSATED FW FLOW AVERAGE
19	MN FD FL 4/D	U0470	SG #4 UNCOMPENSATED FW FLOW AVERAGE
20	AX FD FL 1/A	Y0708A	SG #1 AUX FW FLOW
21	AX FD FL 2/B	Y0704A	SG #2 AUX FW FLOW
22	AX FD FL 3/C	Y0703A	SG #3 AUX FW FLOW
23	AX FD FL 4/D	Y0709A	SG #4 AUX FW FLOW
24	HL TEMP 1/A	T0419A	RCL1 WIDE RNG HOT LEG TEMP
25	HL TEMP 2/B	T0439A	RCL2 WIDE RNG HOT LEG TEMP
26	HL TEMP 3/C	T0459A	RCL3 WIDE RNG HOT LEG TEMP
27	HL TEMP 4/D	T0479A	RCL4 WIDE RNG HOT LEG TEMP
28	CL TEMP 1/A	T0406A	RCL1 WIDE RNG COLD LEG TEMP
29	CL TEMP 2/B	T0426A	RCL2 WIDE RNG COLD LEG TEMP
30	CL TEMP 3/C	T0446A	RCL3 WIDE RNG COLD LEG TEMP
31	CL TEMP 4/D	T0466A	RCL4 WIDE RNG COLD LEG TEMP
32	RCS PRESSURE	UP1000	RCS WID PRESS AVG
33	PRZR LEVEL	QI0111	PLEVEL - PRESSURIZER LEVEL
34	RCS CHG/MU	UF1016	NET CHARGING FLOW
35	HP SI FLOW	UF1010	SIS PUMP TOTAL OUTLET FLOW
36	LP SI FLOW	UF1011	TOTAL RHR FLO TO COLD LEG
37	CNTMT SMP WR	QZ0118	CONTAINMENT SUMP LEVEL - INCHES
38	EFF GAS RAD	R9101A	UNIT 1 SHIELD BLDG VENT MON EFF RATE
39	EFF GAS RAD	R9102A	UNIT 2 SHIELD BLDG VENT MON EFF RATE
40	EFF LIQ RAD	R1022A	WDS LIQUID EFFLUENT MON

WATTS BAR NUCLEAR PLANT (WBN) UNIT 2
EMERGENCY RESPONSE DATA SYSTEM (ERDS)
DATA POINT LIBRARY (DPL)
REVISION 0

ERDS POINT NO.	NRC ERDS PARAMETER	POINT ID	PLANT SPECIFIC POINT DESCRIPTION
41	COND A/E RAD	R1055A	COND VAC EXH MID RANGE MON
42	COND A/E RAD	R0001A	COND VAC PUMP AIR EXH RAD MON
43	COND A/E RAD	R1056A	COND VAC EXH HIGH RANGE MON
44	CNTMNT RAD	QZ0104	UPPER CONTAINMENT RADIATION AVG
45	CNTMNT RAD	QZ0111	LOWER CONTAINMENT RADIATION AVERAGE
46	MAIN SL 1/A	R9055A	ST GEN 1 DISCH RAD MONITOR
47	MAIN SL 2/B	R9056A	ST GEN 2 DISCH RAD MONITOR
48	MAIN SL 3/C	R9057A	ST GEN 3 DISCH RAD MONITOR
49	MAIN SL 4/D	R9058A	ST GEN 4 DISCH RAD MONITOR
50	SG BD RAD 2A	R1020A	STEAM GEN BLDN MON
51	SG BD RAD 2B	R1021A	STEAM GEN BLDN MON
52	CTMNT PRESS	UP6000	CNTMT PRESSURE AVERAGE
53	CTMNT TEMP	U2515	CONTAINMENT HIGHEST TEMP
54	H2 CONC	UY1005	H2 CONCENTRATION MAXIMUM
55	RWST LEVEL	UL1000	RWST AVERAGE LEVEL
56	WIND SPEED	MET001	EDS METDATA 91M 15MIN VEC WIND SPEED
57	WIND SPEED	MET002	EDS METDATA 46M 15MIN VEC WIND SPEED
58	WIND SPEED	MET003	EDS METDATA 10M 15MIN VEC WIND SPEED
59	WIND DIR	MET004	EDS MET DATA 91M 15 MIN WIND DIR
60	WIND DIR	MET005	EDS MET DATA 46M 15 MIN WIND DIR
61	WIND DIR	MET006	EDS MET DATA 10M 15 MIN WIND DIR
62	STAB CLASS	MET007	STABILITY CLASS UPPER
63	STAB CLASS	MET008	STABILITY CLASS INTERMEDIATE
64	STAB CLASS	MET009	STABILITY CLASS LOWER
65	SG LEVEL 1/A	L0403A	STM GEN 1 WIDE RNG LEVEL
66	SG LEVEL 2/B	L0423A	STM GEN 2 WIDE RNG LEVEL
67	SG LEVEL 3/C	L0443A	STM GEN 3 WIDE RNG LEVEL
68	SG LEVEL 4/D	L0463A	STM GEN 4 WIDE RNG LEVEL
69	NL	U0400	RCL #1 UNCORR FLOW 1/2/3 AVG
70	NL	U0420	RCL #2 UNCORR FLOW 1/2/3 AVG
71	NL	U0440	RCL #3 UNCORR FLOW 1/2/3 AVG
72	NL	U0460	RCL #4 UNCORR FLOW 1/2/3 AVG

ERDS Point Number 1
SIMULATION
INDICATES REAL OR SIMULATED DATA

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	Not Listed
Point ID:	SIMULATION
Plant Spec Point Desc:	INDICATES REAL OR SIMULATED DATA
Generic/Cond Desc:	Real or Simulated Data
Analog/Digital	D
Engr Units/Dig States:	REAL/SIMUL
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	0
How Processed:	0 IF REAL, 1 IF SIMULATED
Sensor Locations:	N/A
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	This point is used to indicate whether the data is coming from the unit or from the simulator.

ERDS Point Number 2
NI POWER RNG
UN2000
Reactor Power

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	NI POWER RNG
Point ID:	UN2000
Plant Spec Point Desc:	AVERAGE POWER RANGE LEVEL
Generic/Cond Desc:	Reactor Power
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	0 – 10V = 0 – 120% power (linear)
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	4
How Processed:	Average
Sensor Locations:	Excore detectors
Alarm/Trip Setpoint:	Overpower reactor trip = 109%
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Probable downscale (no forcing function)
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	From ICS inputs for 2-NE-92-41, 42, 43, 44.

ERDS Point Number 3
NI INTER RNG
UN1015
Reactor Power – Intermediate Rng

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	NI INTER RNG
Point ID:	UN1015
Plant Spec Point Desc:	INTER RANGE FLUX
Generic/Cond Desc:	Reactor Power – Intermediate Rng
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	0 – 5 V = 1E-8 – 200% power (log)
Minimum Instr Range:	1E-8
Maximum Instr Range:	200
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	AZ 0 degree and 180 degree excore
Alarm/Trip Setpoint:	Reactor trip – 25% power
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Probable downscale (no forcing function)
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Average of NMD-92-135-D and NMD-92-136-E (channel N36).

ERDS Point Number 4
NI SOURCE RNG
UN1014
Reactor Power – Source Rng

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURCE RNG
Point ID:	UN1014
Plant Spec Point Desc:	SOURCE RANGE FLUX
Generic/Cond Desc:	Reactor Power – Source Rng
Analog/Digital	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	0 – 5V = 0.1-2x10^5 CPS (log)
Minimum Instr Range:	0.1
Maximum Instr Range:	2x10^5
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	AZ 0 degree and 180 degree excore
Alarm/Trip Setpoint:	Reactor trip – 10E5 CPS
NID Power Cut-Off Level:	1.66 x 10^{-4}
NID Power Cut-On Level:	1.49 x 10^{-4}
Instrument Failure Mode:	Probable downscale (no forcing function)
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Average of NMD-92-131-D and NMD-92-132-E detectors.

ERDS Point Number 5
REAC VES LEV
QC0117
Reactor Vessel Water Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	REAC VES LEV
Point ID:	QC0117
Plant Spec Point Desc:	RVLIS MINIMUM
Generic/Cond Desc:	Reactor Vessel Water Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	RV BOT
Reference Point Notes:	TAF = 62%
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Minimum
Sensor Locations:	Remote location in the penetration rooms
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	Y
Level Reference Leg:	WET
Unique System Desc:	This is provided by digital output from Westinghouse Common Q system. Minimum of Common Q Train A (CPU-68-102) and B (CPU-68-112) Reactor Vessel Compensated Level. Top of core = 62%.

ERDS Point Number 6
TEMP CORE EX
QC0509
Highest Core Exit Temp

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	TEMP CORE EX
Point ID:	QC0509
Plant Spec Point Desc:	MAX OF INCORE TEMPS THRU T58
Generic/Cond Desc:	Highest Core Exit Temp
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	0 – 10V = 40 – 2300 DEGF (linear)
Minimum Instr Range:	40
Maximum Instr Range:	2300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	58
How Processed:	Highest
Sensor Locations:	Within the top of the corresponding fuel assembly
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Provided through Westinghouse Common Q Pams. Highest of 58 incore thermocouples.

ERDS Point Number 7
SUB MARGIN
QC0107
Saturation Temp – Highest CET

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SUB MARGIN
Point ID:	QC0107
Plant Spec Point Desc:	MINIMUM RCS SUBCOOLING
Generic/Cond Desc:	Saturation Temp – Highest CET
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Minimum
Sensor Locations:	N/A
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Provided by Westinghouse Common Q system. Minimum of Common Q Train A (CPU-68-102) and B (CPU-68-112) CET Temperature Saturation Margin.

ERDS Point Number 8
SG LEVEL 1/A
UL1001
Steam Generator 1 Water Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 1/A
Point ID:	UL1001
Plant Spec Point Desc:	SG 1 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 1 Water Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	0 – 100% NR = 0" – 233" NR = 321" – 554" WR
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	See "Unique System Desc."
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Remote location outside of polar crane wall
Alarm/Trip Setpoint:	Low Level alarm at 22% Trip at 17%
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	Y
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 1 water level. Average of 2-LT-3-39 and -42. 0-100% span on steam generator narrow range level transmitters correspond to 58-100% span on wide range level instrumentation.

ERDS Point Number 9
SG LEVEL 2/B
UL1002
Steam Generator 2 Water Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 2/B
Point ID:	UL1002
Plant Spec Point Desc:	SG 2 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 2 Water Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	0 – 100% NR = 0" – 233" NR = 321" – 554" WR
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	See "Unique System Desc."
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Remote location outside of polar crane wall
Alarm/Trip Setpoint:	Low Level alarm at 22% Trip at 17%
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	Y
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 2 water level. Average of 2-LT-3-39 and -55. 0-100% span on steam generator narrow range level transmitters correspond to 58-100% span on wide range level instrumentation.

ERDS Point Number 10
SG LEVEL 3/C
UL1003
Steam Generator 3 Water Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 3/C
Point ID:	UL1003
Plant Spec Point Desc:	SG 3 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 3 Water Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	0 – 100% NR = 0" – 233" NR = 321" – 554" WR
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	See "Unique System Desc."
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Remote location outside of polar crane wall
Alarm/Trip Setpoint:	Low Level alarm at 22% Trip at 17%
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	Y
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 3 water level. Average of 2-LT-3-94 and -97. 0-100% span on steam generator narrow range level transmitters correspond to 58-100% span on wide range level instrumentation.

ERDS Point Number 11
SG LEVEL 4/D
UL1004
Steam Generator 4 Water Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 4/D
Point ID:	UL1004
Plant Spec Point Desc:	SG 4 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 4 Water Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	0 – 100% NR = 0" – 233" NR = 321" – 554" WR
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	See "Unique System Desc."
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Remote location outside of polar crane wall
Alarm/Trip Setpoint:	Low Level alarm at 22% Trip at 17%
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	Y
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 4 water level. Average of 2-LT-3-107 and -110. 0-100% span on steam generator narrow range level transmitters correspond to 58-100% span on wide range level instrumentation.

ERDS Point Number 12
SG PRESS 1/A
UP1002
Steam Generator 1 Pressure

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG PRESS 1/A
Point ID:	UP1002
Plant Spec Point Desc:	SG 1 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 1 Pressure
Analog/Digital	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Remote location in penetration room
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	N
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 1 pressure. Average of 2-PT-1-2A and 2-PT-1-2B.

ERDS Point Number 13
SG PRESS 2/B
UP1003
Steam Generator 2 Pressure

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG PRESS 2/B
Point ID:	UP1003
Plant Spec Point Desc:	SG 2 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 2 Pressure
Analog/Digital	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Remote location in north valve room
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	N
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 2 pressure. Average of 2-PT-1-9A and 2-PT-1-9B.

ERDS Point Number 14
SG PRESS 3/C
UP1004
Steam Generator 3 Pressure

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG PRESS 3/C
Point ID:	UP1004
Plant Spec Point Desc:	SG 3 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 3 Pressure
Analog/Digital	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Remote location in north valve room
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	N
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 3 pressure. Average of 2-PT-1-20A and 2-PT-1-20B.

ERDS Point Number 15
SG PRESS 4/D
UP1005
Steam Generator 4 Pressure

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG PRESS 4/D
Point ID:	UP1005
Plant Spec Point Desc:	SG 4 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 4 Pressure
Analog/Digital	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Remote location in penetration room
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	N
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 4 pressure. Average of 2-PT-1-27A and 2-PT-1-27B.

ERDS Point Number 16
MN FD FL 1/A
U0410
Stm Gen 1 Main Feedwater Flow

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	MN FD FL 1/A
Point ID:	U0410
Plant Spec Point Desc:	SG #1 UNCOMPENSATED FW FLOW AVERAGE
Generic/Cond Desc:	Stm Gen 1 Main Feedwater Flow
Analog/Digital	A
Engr Units/Dig States:	KBH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Stm Gen Feedwater Line 1, Aux Bldg
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	Y
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 1 main feedwater flow. Average of 2-FT-3-35A and 2-FT-3-35B.

ERDS Point Number 17
MN FD FL 2/B
U0430
Stm Gen 2 Main Feedwater Flow

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	MN FD FL 2/B
Point ID:	U0430
Plant Spec Point Desc:	SG #2 UNCOMPENSATED FW FLOW AVERAGE
Generic/Cond Desc:	Stm Gen 2 Main Feedwater Flow
Analog/Digital	A
Engr Units/Dig States:	KBH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Stm Gen Feedwater Line 2, Aux Bldg
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	Y
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 2 main feedwater flow. Average of 2-FT-3-48A and 2-FT-3-48B.

ERDS Point Number 18
MN FD FL 3/C
U0450
Stm Gen 3 Main Feedwater Flow

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	MN FD FL 3/C
Point ID:	U0450
Plant Spec Point Desc:	SG #3 UNCOMPENSATED FW FLOW AVERAGE
Generic/Cond Desc:	Stm Gen 3 Main Feedwater Flow
Analog/Digital	A
Engr Units/Dig States:	KBH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Stm Gen Feedwater Line 3, Aux Bldg
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	Y
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 3 main feedwater flow. Average of 2-FT-3-90A and 2-FT-3-90B.

ERDS Point Number 19
MN FD FL 4/D
U0470
Stm Gen 4 Main Feedwater Flow

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	MN FD FL 4/D
Point ID:	U0470
Plant Spec Point Desc:	SG #4 UNCOMPENSATED FW FLOW AVERAGE
Generic/Cond Desc:	Stm Gen 4 Main Feedwater Flow
Analog/Digital	A
Engr Units/Dig States:	KBH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Stm Gen Feedwater Line 4, Aux Bldg
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	Y
Level Reference Leg:	WET
Unique System Desc:	Steam Generator 4 main feedwater flow. Average of 2-FT-3-103A and 2-FT-3-103B.

ERDS Point Number 20
AX FD FL 1/A
Y0708A
Stm Gen 1 Auxiliary FW Flow

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	AX FD FL 1/A
Point ID:	Y0708A
Plant Spec Point Desc:	SG #1 AUX FW FLOW
Generic/Cond Desc:	Stm Gen 1 Auxiliary FW Flow
Analog/Digital	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	0-10 V = 0-700 GPM
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Downstream of MDAFW, TDAFW tie to S/G 1
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	There are two (2) electric and one (1) turbine-driven AFWPS. Each electric pump feeds two (2) steam generators and the turbine-driven pump feeds all four (4) steam generators. The electric and turbine-driven AFWPs share the same piping to each steam generator. The flow element is located in the shared piping.

ERDS Point Number 21
AX FD FL 2/B
Y0704A
Stm Gen 2 Auxiliary FW Flow

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	AX FD FL 2/B
Point ID:	Y0704A
Plant Spec Point Desc:	SG #2 AUX FW FLOW
Generic/Cond Desc:	Stm Gen 2 Auxiliary FW Flow
Analog/Digital	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	0-10 V = 0-700 GPM
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Downstream of MDAFW, TDAFW tie to S/G 2
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	There are two (2) electric and one (1) turbine-driven AFWPS. Each electric pump feeds two (2) steam generators and the turbine-driven pump feeds all four (4) steam generators. The electric and turbine-driven AFWPs share the same piping to each steam generator. The flow element is located in the shared piping.

ERDS Point Number 22
AX FD FL 3/C
Y0703A
Stm Gen 3 Auxiliary FW Flow

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	AX FD FL 3/C
Point ID:	Y0703A
Plant Spec Point Desc:	SG #3 AUX FW FLOW
Generic/Cond Desc:	Stm Gen 3 Auxiliary FW Flow
Analog/Digital	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	0-10 V = 0-700 GPM
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Downstream of MDAFW, TDAFW tie to S/G 3
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	There are two (2) electric and one (1) turbine-driven AFWPS. Each electric pump feeds two (2) steam generators and the turbine-driven pump feeds all four (4) steam generators. The electric and turbine-driven AFWPs share the same piping to each steam generator. The flow element is located in the shared piping.

ERDS Point Number 23
AX FD FL 4/D
Y0709A
Stm Gen 4 Auxiliary FW Flow

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	AX FD FL 4/D
Point ID:	Y0709A
Plant Spec Point Desc:	SG #4 AUX FW FLOW
Generic/Cond Desc:	Stm Gen 4 Auxiliary FW Flow
Analog/Digital	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	0-10 V = 0-700 GPM
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Downstream of MDAFW, TDAFW tie to S/G 4
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	There are two (2) electric and one (1) turbine-driven AFWPS. Each electric pump feeds two (2) steam generators and the turbine-driven pump feeds all four (4) steam generators. The electric and turbine-driven AFWPs share the same piping to each steam generator. The flow element is located in the shared piping.

ERDS Point Number 24
HL TEMP 1/A
T0419A
Stm Gen 1 Inlet Temp

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	HL TEMP 1/A
Point ID:	T0419A
Plant Spec Point Desc:	RCL1 WIDE RNG HOT LEG TEMP
Generic/Cond Desc:	Stm Gen 1 Inlet Temp
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	On Loop 1 RCS hot leg piping
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	RCS hot leg temperature is used in event of recovery to provide information for manual control of RCS temperature, control of the Emergency Core Cooling System (ECCS) pumps and Reactor Coolant Pumps (RCPs), and to verify natural circulation or increase blow down. The temperature indication is also used to control RCS pressure and temperature within required limits.

ERDS Point Number 25
HL TEMP 2/B
T0439A
Stm Gen 2 Inlet Temp

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	HL TEMP 2/B
Point ID:	T0439A
Plant Spec Point Desc:	RCL2 WIDE RNG HOT LEG TEMP
Generic/Cond Desc:	Stm Gen 2 Inlet Temp
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	On Loop 2 RCS hot leg piping
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	RCS hot leg temperature is used in event of recovery to provide information for manual control of RCS temperature, control of the Emergency Core Cooling System (ECCS) pumps and Reactor Coolant Pumps (RCPs), and to verify natural circulation or increase blow down. The temperature indication is also used to control RCS pressure and temperature within required limits.

ERDS Point Number 26
HL TEMP 3/C
T0459A
Stm Gen 3 Inlet Temp

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	HL TEMP 3/C
Point ID:	T0459A
Plant Spec Point Desc:	RCL3 WIDE RNG HOT LEG TEMP
Generic/Cond Desc:	Stm Gen 3 Inlet Temp
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	On Loop 3 RCS hot leg piping
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	RCS hot leg temperature is used in event of recovery to provide information for manual control of RCS temperature, control of the Emergency Core Cooling System (ECCS) pumps and Reactor Coolant Pumps (RCPs), and to verify natural circulation or increase blow down. The temperature indication is also used to control RCS pressure and temperature within required limits.

ERDS Point Number 27
HL TEMP 4/D
T0479A
Stm Gen 4 Inlet Temp

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	HL TEMP 4/D
Point ID:	T0479A
Plant Spec Point Desc:	RCL4 WIDE RNG HOT LEG TEMP
Generic/Cond Desc:	Stm Gen 4 Inlet Temp
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	On Loop 4 RCS hot leg piping
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	RCS hot leg temperature is used in event of recovery to provide information for manual control of RCS temperature, control of the Emergency Core Cooling System (ECCS) pumps and Reactor Coolant Pumps (RCPs), and to verify natural circulation or increase blow down. The temperature indication is also used to control RCS pressure and temperature within required limits.

ERDS Point Number 28
CL TEMP 1/A
T0406A
Stm Gen 1 Outlet Temp

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	CL TEMP 1/A
Point ID:	T0406A
Plant Spec Point Desc:	RCL1 WIDE RNG COLD LEG TEMP
Generic/Cond Desc:	Stm Gen 1 Outlet Temp
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	On Loop 1 RCS cold leg piping
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	RCS cold leg temperature is used in event of recovery to maintain proper relationship between RCS pressure and temperature while cooling down, and to provide information to manually control RCS temperature by controlling Auxiliary Feedwater (AFW) flow, steam generator pressure, and Residual Heat Removal (RHR). The temperature indication is also used in maintaining stable plant conditions and verifying natural circulation.

ERDS Point Number 29
CL TEMP 2/B
T0426A
Stm Gen 2 Outlet Temp

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	CL TEMP 2/B
Point ID:	T0426A
Plant Spec Point Desc:	RCL2 WIDE RNG COLD LEG TEMP
Generic/Cond Desc:	Stm Gen 2 Outlet Temp
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	On Loop 2 RCS cold leg piping
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	RCS cold leg temperature is used in event of recovery to maintain proper relationship between RCS pressure and temperature while cooling down, and to provide information to manually control RCS temperature by controlling Auxiliary Feedwater (AFW) flow, steam generator pressure, and Residual Heat Removal (RHR). The temperature indication is also used in maintaining stable plant conditions and verifying natural circulation.

ERDS Point Number 30
CL TEMP 3/C
T0446A
Stm Gen 3 Outlet Temp

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	CL TEMP 3/C
Point ID:	T0446A
Plant Spec Point Desc:	RCL3 WIDE RNG COLD LEG TEMP
Generic/Cond Desc:	Stm Gen 3 Outlet Temp
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	On Loop 3 RCS cold leg piping
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	RCS cold leg temperature is used in event of recovery to maintain proper relationship between RCS pressure and temperature while cooling down, and to provide information to manually control RCS temperature by controlling Auxiliary Feedwater (AFW) flow, steam generator pressure, and Residual Heat Removal (RHR). The temperature indication is also used in maintaining stable plant conditions and verifying natural circulation.

ERDS Point Number 31
CL TEMP 4/D
T0466A
Stm Gen 4 Outlet Temp

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	CL TEMP 4/D
Point ID:	T0466A
Plant Spec Point Desc:	RCL4 WIDE RNG COLD LEG TEMP
Generic/Cond Desc:	Stm Gen 4 Outlet Temp
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	On Loop 4 RCS cold leg piping
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	RCS cold leg temperature is used in event of recovery to maintain proper relationship between RCS pressure and temperature while cooling down, and to provide information to manually control RCS temperature by controlling Auxiliary Feedwater (AFW) flow, steam generator pressure, and Residual Heat Removal (RHR). The temperature indication is also used in maintaining stable plant conditions and verifying natural circulation.

ERDS Point Number 32
RCS PRESSURE
UP1000
Reactor Coolant System Pressure

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	UP1000
Plant Spec Point Desc:	RCS WID PRESS AVG
Generic/Cond Desc:	Reactor Coolant System Pressure
Analog/Digital	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	RCS Hot Legs 1 and 3
Alarm/Trip Setpoint:	Low: 1970 psig, Rx trip; High: 2385 psig, Rx trip
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	RCS pressure determined by this point is the average of two (2) signals which measure wide range hot leg pressures (2-PT-68-63 and -64). RCS pressure indication is utilized by the operators to identify events for Safety Injection (SI) actuation and termination, starting and stopping RHR pumps, and controlling cooldown to prevent PTS. The alarm trip setpoints are actuated by pressurized pressure transmitters at the given setpoints.

ERDS Point Number 33
PRZR LEVEL
QI0111
Primary System Pressurizer Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	PRZR LEVEL
Point ID:	QI0111
Plant Spec Point Desc:	PLEVEL - PRESSURIZER LEVEL
Generic/Cond Desc:	Primary System Pressurizer Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	See "Unique System Desc."
Reference Point Notes:	Top of Heater = 14%
PROC or SENS:	P
Number of Sensors:	3
How Processed:	Average
Sensor Locations:	TAPS from Pressurizer
Alarm/Trip Setpoint:	High at 92% reactor trip
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	WET
Unique System Desc:	The pressurizer level is an averaged signal from three (3) level transmitters (2-LT-68-320, -335, -339). Zero reference is bottom of cylindrical shell.

ERDS Point Number 34
RCS CHG/MU
UF1016
Primary System Charging/Makeup

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	RCS CHG/MU
Point ID:	UF1016
Plant Spec Point Desc:	NET CHARGING FLOW
Generic/Cond Desc:	Primary System Charging/Makeup
Analog/Digital	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	-224
Maximum Instr Range:	300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	6
How Processed:	Subtraction
Sensor Locations:	Charging pump, RCP seal/return, RCS letdown
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Multiple, due to number of sensors
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	The net charging flow is calculated by subtracting RCP seal return and CVCS letdown flow from the discharge flow of the charging pump.

ERDS Point Number 35
HP SI FLOW
UF1010
High Pressure Safety Injection Flow

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	HP SI FLOW
Point ID:	UF1010
Plant Spec Point Desc:	SIS PUMP TOTAL OUTLET FLOW
Generic/Cond Desc:	High Pressure Safety Injection Flow
Analog/Digital	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1600
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Sum
Sensor Locations:	Discharge of Safety Injection (SI) pumps
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	The total flow is measured by adding the discharge flow rates from two (2) SI pumps. The total accident flow rates for cold leg injection or recirculation and hot leg recirculation can be monitored by this point (sum of 2-FT-63-20 and -151).

ERDS Point Number 36
LP SI FLOW
UF1011
Low Pressure Safety Injection Flow

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	LP SI FLOW
Point ID:	UF1011
Plant Spec Point Desc:	TOTAL RHR FLO TO COLD LEG
Generic/Cond Desc:	Low Pressure Safety Injection Flow
Analog/Digital	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	11000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	4
How Processed:	Average
Sensor Locations:	RHR Cold Legs 2, 3, and 1, 4 Piping
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	The RHR cold leg flow rate value is calculated by summing the flow from Cold legs 2 and 3 with the flow from Cold Legs 1 and 4. Flow sensors include 2-FT-63-91A and -91B, 2-FT-63-92A and -92B.

ERDS Point Number 37
CNTMT SMP WR
QZ0118
Containment Sump Wide Rng Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	CNTMT SMP WR
Point ID:	QZ0118
Plant Spec Point Desc:	CONTAINMENT SUMP LEVEL - INCHES
Generic/Cond Desc:	Containment Sump Wide Rng Level
Analog/Digital	A
Engr Units/Dig States:	INCHES
Engr Units Conversion:	1-5 V = 0-200 INCHES
Minimum Instr Range:	0
Maximum Instr Range:	200
Zero Point Reference:	CNTFLR
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	4
How Processed:	Average, redundant sensor algorithm
Sensor Locations:	Containment sump
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	The containment average sump level is calculated by a redundant sensor algorithm using four (4) sump level transmitters (2-LT-63-180, -181, -182 and -183).

ERDS Point Number 38
EFF GAS RAD
R9101A
Release Rate of Radioactive Gases

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	R9101A
Plant Spec Point Desc:	UNIT 1 SHIELD BLDG VENT MON EFF RATE
Generic/Cond Desc:	Release Rate of Radioactive Gases
Analog/Digital	A
Engr Units/Dig States:	mCi/sec
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E-2 mCi/sec
Maximum Instr Range:	1.0E10 mCi/sec
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Sample activity times exhaust flow rate
Sensor Locations:	Auxiliary Building
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Release rate for Unit 1 Shield Building exhaust via Purge-A, Purge-B, ABGTS-A, EGTS and Waste Gas. See R9102A for Purge-A, Purge-B, ABGTS-B, EGTS and Waste Gas via Unit 2 Shield Building exhaust.

ERDS Point Number 39
EFF GAS RAD
R9102A
Release Rate of Radioactive Gases

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	R9102A
Plant Spec Point Desc:	UNIT 2 SHIELD BLDG VENT MON EFF RATE
Generic/Cond Desc:	Release Rate of Radioactive Gases
Analog/Digital	A
Engr Units/Dig States:	mCi/sec
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E-2 mCi/sec
Maximum Instr Range:	1.0E10 mCi/sec
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Sample activity times exhaust flow rate
Sensor Locations:	Auxiliary Building
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Release rate for Unit 2 Shield Building exhaust via Purge-A, Purge-B, ABGTS-B, EGTS and Waste Gas. See R9101A for Purge-A, Purge-B, ABGTS-A, EGTS and Waste Gas via Unit 1 Shield Building exhaust.

ERDS Point Number 40
EFF LIQ RAD
R1022A
Radioactivity of Released Liquid

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	R1022A
Plant Spec Point Desc:	WDS LIQUID EFFLUENT MON
Generic/Cond Desc:	Radioactivity of Released Liquid
Analog/Digital	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E1
Maximum Instr Range:	1.0E7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Antilog
Sensor Locations:	Auxiliary Building
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Waste Disposal System liquid effluent. This computer point is in counts per minute (cpm).

ERDS Point Number 41
COND A/E RAD
R1055A
Cond Air Ejector Radioactivity

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	COND A/E RAD
Point ID:	R1055A
Plant Spec Point Desc:	COND VAC EXH MID RANGE MON
Generic/Cond Desc:	Cond Air Ejector Radioactivity
Analog/Digital	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E-1
Maximum Instr Range:	1.0E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Turbine Building
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Condenser Air Ejector Mid-Range Noble Gas Monitor. This is one of three computer points needed to cover full range, required for Condenser Air Ejector Radiation.

ERDS Point Number 42
COND A/E RAD
R0001A
Cond Air Ejector Radioactivity

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	COND A/E RAD
Point ID:	R0001A
Plant Spec Point Desc:	COND VAC PUMP AIR EXH RAD MON
Generic/Cond Desc:	Cond Air Ejector Radioactivity
Analog/Digital	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	10
Maximum Instr Range:	1.0E7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Antilog
Sensor Locations:	Turbine Building
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Condenser Air Ejector Low Range Noble Gas Monitor. This is one of three of three computer points needed to cover full range, required for Condenser Air Ejector Radiation.

ERDS Point Number 43
COND A/E RAD
R1056A
Cond Air Ejector Radioactivity

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	COND A/E RAD
Point ID:	R1056A
Plant Spec Point Desc:	COND VAC EXH HIGH RANGE MON
Generic/Cond Desc:	Cond Air Ejector Radioactivity
Analog/Digital	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E2
Maximum Instr Range:	1.0E7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Turbine Building
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Condenser Air Ejector High Range Noble Gas Monitor. This is one of three of three computer points needed to cover full range, required for Condenser Air Ejector Radiation.

ERDS Point Number 44
CNTMNT RAD
QZ0104
Containment Radiation Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	QZ0104
Plant Spec Point Desc:	UPPER CONTAINMENT RADIATION AVG
Generic/Cond Desc:	Containment Radiation Level
Analog/Digital	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E0 R/HR
Maximum Instr Range:	1.0E8 R/HR
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average of Antilog
Sensor Locations:	Upper Containment
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Upper Containment High Range Area Monitor. Inputs are 2-RE-90-271 and 2-RE-90-272.

ERDS Point Number 45
CNTMNT RAD
QZ0111
Lower Containment Radiation Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	QZ0111
Plant Spec Point Desc:	LOWER CONTAINMENT RADIATION AVERAGE
Generic/Cond Desc:	Lower Containment Radiation Level
Analog/Digital	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E0 R/HR
Maximum Instr Range:	1.0E8 R/HR
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average of Antilog
Sensor Locations:	Lower containment
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Lower Containment High Range Area Monitor. Inputs are 2-RE-90-273 and 2-RE-90-274.

ERDS Point Number 46
MAIN SL 1/A
R9055A
Steam Gen 1 Steam Line Rad Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN SL 1/A
Point ID:	R9055A
Plant Spec Point Desc:	ST GEN 1 DISCH RAD MONITOR
Generic/Cond Desc:	Steam Gen 1 Steam Line Rad Level
Analog/Digital	A
Engr Units/Dig States:	MR/hr
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E1
Maximum Instr Range:	1.0E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Antilog
Sensor Locations:	Main Steam Line Loop 1 prior to ATM reliefs
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Main Steam Line 1 radioactivity monitor (Rad Monitor 2-RM-90-421). Sensitivity is 3.72E-03 mCi/cc per mR/hr.

ERDS Point Number 47
MAIN SL 2/B
R9056A
Steam Gen 2 Steam Line Rad Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN SL 2/B
Point ID:	R9056A
Plant Spec Point Desc:	ST GEN 2 DISCH RAD MONITOR
Generic/Cond Desc:	Steam Gen 2 Steam Line Rad Level
Analog/Digital	A
Engr Units/Dig States:	MR/hr
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E1
Maximum Instr Range:	1.0E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Antilog
Sensor Locations:	Main Steam Line Loop 2 prior to ATM reliefs
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Main Steam Line 2 radioactivity monitor (Rad Monitor 2-RM-90-422). Sensitivity is 3.72E-03 mCi/cc per mR/hr.

ERDS Point Number 48
MAIN SL 3/C
R9057A
Steam Gen 3 Steam Line Rad Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN SL 3/C
Point ID:	R9057A
Plant Spec Point Desc:	ST GEN 3 DISCH RAD MONITOR
Generic/Cond Desc:	Steam Gen 3 Steam Line Rad Level
Analog/Digital	A
Engr Units/Dig States:	MR/hr
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E1
Maximum Instr Range:	1.0E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Antilog
Sensor Locations:	Main Steam Line Loop 3 prior to ATM reliefs
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Main Steam Line 3 radioactivity monitor (Rad Monitor 2-RM-90-423). Sensitivity is 3.72E-03 mCi/cc per mR/hr.

ERDS Point Number 49
MAIN SL 4/D
R9058A
Steam Gen 4 Steam Line Rad Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN SL 4/D
Point ID:	R9058A
Plant Spec Point Desc:	ST GEN 4 DISCH RAD MONITOR
Generic/Cond Desc:	Steam Gen 4 Steam Line Rad Level
Analog/Digital	A
Engr Units/Dig States:	MR/hr
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E1
Maximum Instr Range:	1.0E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Antilog
Sensor Locations:	Main Steam Line Loop 4 prior to ATM reliefs
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Main Steam Line 4 radioactivity monitor (Rad Monitor 2-RM-90-424). Sensitivity is 3.72E-03 mCi/cc per mR/hr.

ERDS Point Number 50
SG BD RAD 2A
R1020A
Steam Gen Header Blowdown Rad Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG BD RAD 2A
Point ID:	R1020A
Plant Spec Point Desc:	STEAM GEN BLDN MON
Generic/Cond Desc:	Steam Gen Header Blowdown Rad Level
Analog/Digital	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E1
Maximum Instr Range:	1.0E7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Antilog
Sensor Locations:	Turbine Building
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Steam Generator Blowdown Effluent Liquid Monitor.

ERDS Point Number 51
SG BD RAD 2B
R1021A
Steam Gen Header Blowdown Rad Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG BD RAD 2B
Point ID:	R1021A
Plant Spec Point Desc:	STEAM GEN BLDN MON
Generic/Cond Desc:	Steam Gen Header Blowdown Rad Level
Analog/Digital	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0E1
Maximum Instr Range:	1.0E7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Antilog
Sensor Locations:	Turbine Building
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Steam Generator Blowdown Effluent Liquid Monitor.

ERDS Point Number 52
CTMNT PRESS
UP6000
Containment Pressure

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	UP6000
Plant Spec Point Desc:	CNTMT PRESSURE AVERAGE
Generic/Cond Desc:	Containment Pressure
Analog/Digital	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	-2
Maximum Instr Range:	15
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	Annulus
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Out of Range
Temperature Compensation:	N/A
Level Reference Leg:	N/A
Unique System Desc:	Containment pressure. Average of 2-PDT-30-44 and -45.

ERDS Point Number 53
CTMNT TEMP
U2515
Containment Temperature

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	U2515
Plant Spec Point Desc:	CONTAINMENT HIGHEST TEMP
Generic/Cond Desc:	Containment Temperature
Analog/Digital	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	40
Maximum Instr Range:	175
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	16
How Processed:	Maximum value
Sensor Locations:	Various areas inside containment
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Fail low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Maximum containment air temperature. Maximum of TE-30-210A through TE-30-210P from ICS computer.

ERDS Point Number 54
H2 CONC
UY1005
Containment H2 Concentration % by Volume

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	H2 CONC
Point ID:	UY1005
Plant Spec Point Desc:	H2 CONCENTRATION MAXIMUM
Generic/Cond Desc:	Containment H2 Concentration % by Volume
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	H2 vs Air part press for % H2 by Vol in Air
Sensor Locations:	Sample line from upper containment
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Downscale on loss of power
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Analyzes upper containment atmosphere for Hydrogen concentration.

ERDS Point Number 55
RWST LEVEL
UL1000
Refueling Water Storage Tank Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	RWST LEVEL
Point ID:	UL1000
Plant Spec Point Desc:	RWST AVERAGE LEVEL
Generic/Cond Desc:	Refueling Water Storage Tank Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	1% IS 3500 GALLONS
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	27.6"
Reference Point Notes:	25,000 GAL below zero reference
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average, redundant sensor algorithm
Sensor Locations:	RWST taps 25,000 GAL in tank below buttn
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	The RWST average level is calculated by a redundant sensor algorithm from two (2) RWST level transmitters (LT-63-50 and -51).

ERDS Point Number 56
WIND SPEED
MET001
Wind Speed – Upper Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET001
Plant Spec Point Desc:	EDS METDATA 91M 15MIN VEC WIND SPEED
Generic/Cond Desc:	Wind Speed – Upper Level
Analog/Digital	A
Engr Units/Dig States:	m/sec
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	44.6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 91 meter level of the met tower
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N/A
Level Reference Leg:	N/A
Unique System Desc:	N/A

ERDS Point Number 57
WIND SPEED
MET002
Wind Speed – Intermediate Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET002
Plant Spec Point Desc:	EDS METDATA 46M 15MIN VEC WIND SPEED
Generic/Cond Desc:	Wind Speed – Intermediate Level
Analog/Digital	A
Engr Units/Dig States:	m/sec
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	44.6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 46 meter level of the met tower
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N/A
Level Reference Leg:	N/A
Unique System Desc:	N/A

ERDS Point Number 58
WIND SPEED
MET003
Wind Speed – Lower Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET003
Plant Spec Point Desc:	EDS METDATA 10M 15MIN VEC WIND SPEED
Generic/Cond Desc:	Wind Speed – Lower Level
Analog/Digital	A
Engr Units/Dig States:	m/sec
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	44.6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 10 meter level of the met tower
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N/A
Level Reference Leg:	N/A
Unique System Desc:	N/A

ERDS Point Number 59
WIND DIR
MET004
Wind Direction – Upper Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	MET004
Plant Spec Point Desc:	EDS MET DATA 91M 15 MIN WIND DIR
Generic/Cond Desc:	Wind Direction – Upper Level
Analog/Digital	A
Engr Units/Dig States:	DEG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 91 meter level of the met tower
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N/A
Level Reference Leg:	N/A
Unique System Desc:	N/A

ERDS Point Number 60
WIND DIR
MET005
Wind Direction – Intermediate Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	MET005
Plant Spec Point Desc:	EDS MET DATA 46M 15 MIN WIND DIR
Generic/Cond Desc:	Wind Direction – Intermediate Level
Analog/Digital	A
Engr Units/Dig States:	DEG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 46 meter level of the met tower
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N/A
Level Reference Leg:	N/A
Unique System Desc:	N/A

ERDS Point Number 61
WIND DIR
MET006
Wind Direction – Lower Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	MET006
Plant Spec Point Desc:	EDS MET DATA 10M 15 MIN WIND DIR
Generic/Cond Desc:	Wind Direction – Lower Level
Analog/Digital	A
Engr Units/Dig States:	DEG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 10 meter level of the met tower
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N/A
Level Reference Leg:	N/A
Unique System Desc:	N/A

ERDS Point Number 62
STAB CLASS
MET007
Air Stability Upper

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	STAB CLASS
Point ID:	MET007
Plant Spec Point Desc:	STABILITY CLASS UPPER
Generic/Cond Desc:	Air Stability Upper
Analog/Digital	N/A
Engr Units/Dig States:	STABA
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	N/A
Sensor Locations:	N/A
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N/A
Level Reference Leg:	N/A

Unique System Desc: Differential temperature upper-lower (degrees C).

Difference			
>	<=	Stability Class	Point Value
	-1.9	A	1
-1.9	-1.7	B	2
-1.7	-1.5	C	3
-1.5	-0.5	D	4
-0.5	1.5	E	5
1.5	4.0	F	6
4.0		G	7

ERDS Point Number 63
STAB CLASS
MET008
Air Stability Intermediate

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	STAB CLASS
Point ID:	MET008
Plant Spec Point Desc:	STABILITY CLASS INTERMEDIATE
Generic/Cond Desc:	Air Stability Intermediate
Analog/Digital	N/A
Engr Units/Dig States:	STABA
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	N/A
Sensor Locations:	N/A
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N/A
Level Reference Leg:	N/A
Unique System Desc:	Differential temperature upper-intermediate (degrees C).

Difference >	Difference <=	Stability Class	Point Value
	-1.9	A	1
-1.9	-1.7	B	2
-1.7	-1.5	C	3
-1.5	-0.5	D	4
-0.5	1.5	E	5
1.5	4.0	F	6
4.0		G	7

ERDS Point Number 64
STAB CLASS
MET009
Air Stability Lower

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	STAB CLASS
Point ID:	MET009
Plant Spec Point Desc:	STABILITY CLASS LOWER
Generic/Cond Desc:	Air Stability Lower
Analog/Digital	N/A
Engr Units/Dig States:	STABA
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	N/A
Sensor Locations:	N/A
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N/A
Level Reference Leg:	N/A

Unique System Desc: Differential temperature intermediate-lower (degrees C).

Difference >	Difference <=	Stability Class	Point Value
	-1.9	A	1
-1.9	-1.7	B	2
-1.7	-1.5	C	3
-1.5	-0.5	D	4
-0.5	1.5	E	5
1.5	4.0	F	6
4.0		G	7

ERDS Point Number 65
SG LEVEL 1/A
L0403A
Stm Gen 1 Wide Rng Water Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 1/A
Point ID:	L0403A
Plant Spec Point Desc:	STM GEN 1 WIDE RNG LEVEL
Generic/Cond Desc:	Stm Gen 1 Wide Rng Water Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	0 – 100% WR = 0-554 inches WR
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	LOWTAP
Reference Point Notes:	See "Unique System Desc."
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Scanned
Sensor Locations:	See "Unique System Desc."
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Sensor out low
Temperature Compensation:	N
Level Reference Leg:	WET
Unique System Desc:	LT is calibrated for design operating conditions. 0% corresponds to lower tap on steam generator located approximately one (1) foot above bottom tube plate. 100% corresponds to the upper tap which is 238" above the top of "U" tubes. Top of the "U" tubes is approximately 57% WR level span.

ERDS Point Number 66
SG LEVEL 2/B
L0423A
Stm Gen 2 Wide Rng Water Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 2/B
Point ID:	L0423A
Plant Spec Point Desc:	STM GEN 2 WIDE RNG LEVEL
Generic/Cond Desc:	Stm Gen 2 Wide Rng Water Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	0 – 100% WR = 0-554 inches WR
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	LOWTAP
Reference Point Notes:	See "Unique System Desc."
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Scanned
Sensor Locations:	See "Unique System Desc."
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Sensor out low
Temperature Compensation:	N
Level Reference Leg:	WET
Unique System Desc:	LT is calibrated for design operating conditions. 0% corresponds to lower tap on steam generator located approximately one (1) foot above bottom tube plate. 100% corresponds to the upper tap which is 238" above the top of "U" tubes. Top of the "U" tubes is approximately 57% WR level span.

ERDS Point Number 67
SG LEVEL 3/C
L0443A
Stm Gen 3 Wide Rng Water Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 3/C
Point ID:	L0443A
Plant Spec Point Desc:	STM GEN 3 WIDE RNG LEVEL
Generic/Cond Desc:	Stm Gen 3 Wide Rng Water Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	0 – 100% WR = 0-554 inches WR
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	LOWTAP
Reference Point Notes:	See "Unique System Desc."
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Scanned
Sensor Locations:	See "Unique System Desc."
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Sensor out low
Temperature Compensation:	N
Level Reference Leg:	WET
Unique System Desc:	LT is calibrated for design operating conditions. 0% corresponds to lower tap on steam generator located approximately one (1) foot above bottom tube plate. 100% corresponds to the upper tap which is 238" above the top of "U" tubes. Top of the "U" tubes is approximately 57% WR level span.

ERDS Point Number 68
SG LEVEL 4/D
L0463A
Stm Gen 4 Wide Rng Water Level

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 4/D
Point ID:	L0463A
Plant Spec Point Desc:	STM GEN 4 WIDE RNG LEVEL
Generic/Cond Desc:	Stm Gen 4 Wide Rng Water Level
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	0 – 100% WR = 0-554 inches WR
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	LOWTAP
Reference Point Notes:	See "Unique System Desc."
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Scanned
Sensor Locations:	See "Unique System Desc."
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Sensor out low
Temperature Compensation:	N
Level Reference Leg:	WET
Unique System Desc:	LT is calibrated for design operating conditions. 0% corresponds to lower tap on steam generator located approximately one (1) foot above bottom tube plate. 100% corresponds to the upper tap which is 238" above the top of "U" tubes. Top of the "U" tubes is approximately 57% WR level span.

ERDS Point Number 69
NL
U0400
Average RC Loop #1 Flow %

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	NL
Point ID:	U0400
Plant Spec Point Desc:	RCL #1 UNCORR FLOW 1/2/3 AVG
Generic/Cond Desc:	Average RC Loop #1 Flow %
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	3
How Processed:	Averaged
Sensor Locations:	From ICS Process Computer
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Average Reactor Coolant Loop #1 flow comprised of the ICS Process Computer Reactor Coolant Loop #1 flow points F0400A, F0401A and F0402A.

ERDS Point Number 70
NL
U0420
Average RC Loop #2 Flow %

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	NL
Point ID:	U0420
Plant Spec Point Desc:	RCL #2 UNCORR FLOW 1/2/3 AVG
Generic/Cond Desc:	Average RC Loop #2 Flow %
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	3
How Processed:	Averaged
Sensor Locations:	From ICS Process Computer
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Average Reactor Coolant Loop #2 flow comprised of the ICS Process Computer Reactor Coolant Loop #2 flow points F0420A, F0421A and F0422A.

ERDS Point Number 71
NL
U0440
Average RC Loop #3 Flow %

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	NL
Point ID:	U0440
Plant Spec Point Desc:	RCL #3 UNCORR FLOW 1/2/3 AVG
Generic/Cond Desc:	Average RC Loop #3 Flow %
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	3
How Processed:	Averaged
Sensor Locations:	From ICS Process Computer
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Average Reactor Coolant Loop #3 flow comprised of the ICS Process Computer Reactor Coolant Loop #3 flow points F0440A, F0441A and F0442A.

ERDS Point Number 72
NL
U0460
Average RC Loop #4 Flow %

Date:	09/22/2011
Reactor Unit:	WB2
Data Feeder:	N/A
NRC ERDS Parameter:	NL
Point ID:	U0460
Plant Spec Point Desc:	RCL #4 UNCORR FLOW 1/2/3 AVG
Generic/Cond Desc:	Average RC Loop #4 Flow %
Analog/Digital	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	3
How Processed:	Averaged
Sensor Locations:	From ICS Process Computer
Alarm/Trip Setpoint:	N/A
NID Power Cut-Off Level:	N/A
NID Power Cut-On Level:	N/A
Instrument Failure Mode:	Low
Temperature Compensation:	N
Level Reference Leg:	N/A
Unique System Desc:	Average Reactor Coolant Loop #4 flow comprised of the ICS Process Computer Reactor Coolant Loop #4 flow points F0460A, F0461A and F0462A.

Enclosure 2
List of Commitments

Part 2 of this SSER item, for updating dose assessment models, will be provided by separate correspondence.