



Carolina Power & Light Company

FEB 17 1993

SERIAL: NLS-93-015
10 CFR 50, Appendix E

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23

SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63

EMERGENCY RESPONSE DATA SYSTEM - DATA POINT LIBRARY REVISION

Gentlemen:

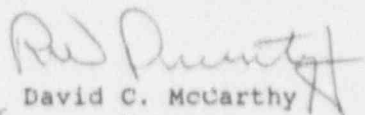
The purpose of this letter is to provide additional information for the Emergency Response Data System Data Point Library (DPL) for the H. B. Robinson Steam Electric Plant, Unit No. 2 (HBR2) and the Shearon Harris Nuclear Power Plant (SHNPP).

Enclosure 1 contains replacement pages for SHNPP, and Enclosure 2 contains replacement pages for HBR2. Changes are identified by a vertical line in the right margin.

Enclosure 3 contains new pages for the HBR2 DPL. These pages reflect data points added to the DPL for the purpose of converting effluent releases to Ci.

Should you have any questions regarding that issue, please contact Mr. Fred Emerson at (919) 546-7573.

Yours very truly,


for David C. McCarthy
Manager
Nuclear Licensing Section

DBB/jbw

Enclosures

cc: Mr. S. D. Ebner
Mr. L. W. Garner
Mr. N. B. Le
Ms. B. L. Mozafari
Mr. J. E. Tedrow

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ENCLOSURE 1

**SHEARON HARRIS NUCLEAR POWER PLANT
DATA POINT LIBRARY - REPLACEMENT PAGES**

DATA POINT LIBRARY REFERENCE FILE

Date: 04/27/92
Reactor Unit: HR1
Data Feeder: N/A
NRC ERDS Parameter: REAC VES LEV
Point ID: LRC9100F
Plant Spec Point Desc: AVG RVLIS FULL RANGE
Generic/Cond Desc: REACTOR VESSEL WATER LEVEL
Analog/Digital: A
Engr Units/Dig States: %
Engr Units Conversion: _____
Minimum Instr Range: 0.00E+00
Maximum Instr Range: 1.20E+02
Zero Point Reference: BOTTOM OF VESSEL
Reference Point Notes: N/A
PROC or SENS: P
Number of Sensors: 2
How Processed: AVERAGE
Sensor Location: RAB
Alarm/Trip Set Points: _____
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: Y
Level Reference Leg: WET
Unique System Desc: This instrument provides an indication of reactor vessel
lvl from the bottom to the top of the vessel when reactor
coolant pmps are off.(off scale when any RCP's running)
61% corresponds to Top of Active Fuel.

DATA POINT LIBRARY REFERENCE FILE

Date: 04/22/92
Reactor Unit: HR1
Data Feeder: N/A
NRC ERDS Parameter: SG LEVEL 1/A
Point ID: LFW0477
Plant Spec Point Desc: SG A WR LEVEL
Generic/Cond Desc: STEAM GENERATOR A WATER LEVEL
Analog/Digital: A
Engr Units/Dig States: %
Engr Units Conversion: N/A
Minimum Instr Range: 0.000E+00
Maximum Instr Range: 1.000E+02
Zero Point Reference: TUBSHT
Reference Point Notes: LEVEL ABOVE SG TUBESHEET
PROC or SENS: S
Number of Sensors: 1
How Processed: _____
Sensor Location: INSIDE CONTAINMENT
Alarm/Trip Set Points: _____
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: SG wide range level < 10% indicates an inability to
maintain water level in that SG, and a loss of heat
sink in that loop. 46% corresponds to Top of Tube
Bundle.

DATA POINT LIBRARY REFERENCE FILE

Date: 04/27/92
Reactor Unit: HR1
Data Feeder: N/A
NRC ERDS Parameter: SG LEVEL 2/B
Point ID: LFW0487
Plant Spec Point Desc: SG B WR LEVEL
Generic/Cond Desc: STEAM GENERATOR B WATER LEVEL
Analog/Digital: A
Engr Units/Dig States: %
Engr Units Conversion: N/A
Minimum Instr Range: 0.000E+00
Maximum Instr Range: 1.000E+02
Zero Point Reference: TUBSHT
Reference Point Notes: LEVEL ABOVE SG TUBESHEET
PROC or SENS: S
Number of Sensors: 1
How Processed: _____
Sensor Location: INSIDE CONTAINMENT
Alarm/Trip Set Points: _____
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: SG wide range level < 10% indicates an inability to
maintain water level in that SG, and a loss of heat
sink in that loop. 46% corresponds to Top of Tube
Bundle.

DATA POINT LIBRARY REFERENCE FILE

Date: 04/27/92
Reactor Unit: HR1
Data Feeder: N/A
NRC ERDS Parameter: SG LEVEL 3/C
Point ID: LEW0497
Plant Spec Point Desc: SG C WR LEVEL
Generic/Cond Desc: STEAM GENERATOR C WATER LEVEL
Analog/Digital: A
Engr Units/Dig States: %
Engr Units Conversion: N/A
Minimum Instr Range: 0.000E+00
Maximum Instr Range: 1.000E+02
Zero Point Reference: TUBSHT
Reference Point Notes: LEVEL ABOVE SG TUBESHEET
PROC or SENS: S
Number of Sensors: 1
How Processed: _____
Sensor Location: INSIDE CONTAINMENT
Alarm/Trip Set Points: _____
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: SG wide range level < 10% indicates an inability to
maintain water level in that SG, and a loss of heat
sink in that loop, 46% corresponds to Top of Tube
Bundle.

DATA POINT LIBRARY REFERENCE FILE

Date: 04/27/92
Reactor Unit: HR1
Data Feeder: N/A
NRC ERDS Parameter: PRZR LEVEL
Point ID: LRC9459
Plant Spec Point Desc: AVG PRESSURIZER LEVEL
Generic/Cond Desc: PRIMARY SYSTEM PRESSURIZER LEVEL
Analog/Digital: A
Engr Units/Dig States: %
Engr Units Conversion: N/A
Minimum Instr Range: 0.000E+00
Maximum Instr Range: 1.000E+02
Zero Point Reference: _____
Reference Point Notes: N/A
PROC or SENS: P
Number of Sensors: 3
How Processed: AVERAGE
Sensor Location: INSIDE CONTAINMENT
Alarm/Trip Set Points: 92% (H), 17% (L)
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: Y
Level Reference Leg: WET
Unique System Desc: Letdown isolates & heaters are deenergized if < 17%
level. If < 10% level, indicates an inability to maintain
level & requires SI flow. PRZ heaters are not actually
uncovered until approximately 12%

DATA POINT LIBRARY REFERENCE FILE

Date: 04/27/92
Reactor Unit: HR1
Data Feeder: N/A
NRC ERDS Parameter: CTMNT SMP WR
Point ID: LCT97161
Plant Spec Point Desc: AVG CNMT SUMP LEVEL
Generic/Cond Desc: CONTAINMENT SUMP WIDE RANGE LEVEL
Analog/Digital: A
Engr Units/Dig States: INCHES
Engr Units Conversion: N/A
Minimum Instr Range: 0.000E+00
Maximum Instr Range: 2.22E+02
Zero Point Reference: CNMT 211'
Reference Point Notes: N/A
PROC or SENS: P
Number of Sensors: 2
How Processed: AVERAGE
Sensor Location: SUMPS INSIDE CNMT
Alarm/Trip Set Points: 192.5 (H)
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: N/A
Level Reference Leg: N/A
Unique System Desc: CNMT WR level is a sequential combination of 3
separate level transmitters. From 0 to 132 inches
the reactor vessel keyway is filling. The volume of
the reactor cavity at elev. 211.5' is 3,942 gal/ft.
This is constant up to elevation 223'.

DATA POINT LIBRARY REFERENCE FILE

Date: 04/27/92
Reactor Unit: HR1
Data Feeder: N/A
NRC ERDS Parameter: CTMNT TEMP
Point ID: TCV97540
Plant Spec Point Desc: AVG CONTAINMENT TEMPERATURE
Generic/Cond Desc: CONTAINMENT TEMPERATURE
Analog/Digital: A
Engr Units/Dig States: DEGF
Engr Units Conversion: N/A
Minimum Instr Range: .000E+06
Maximum Instr Range: 1.999E+02
Zero Point Reference: N/A
Reference Point Notes: N/A
PROC or SENS: P
Number of Sensors: 6
How Processed: AVERAGE
Sensor Location: INSIDE CONTAINMENT
Alarm/Trip Set Points: 120°F (H)
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: N/A
Level Reference Leg: N/A
Unique System Desc: Tech Spec limit is 120°F. Containment design
temperature is 380°F.

DATA POINT LIBRARY REFERENCE FILE

Date: 07/23/92
Reactor Unit: HR1
Data Feeder: N/A
NRC ERDS Parameter: STAB CLASS
Point ID: MMT1017
Plant Spec Point Desc: N/A
Generic/Cond Desc: AIR STABILITY AT THE REACTOR SITE
Analog/Digital: A
Engr Units/Dig States: STABI
Engr Units Conversion: N/A
Minimum Instr Range: 1.000E+00
Maximum Instr Range: 7.000E+00
Zero Point Reference: N/A
Reference Point Notes: N/A
PROC or SENS: PROC
Number of Sensors: 2
How Processed: SEE UNIQUE DESC
Sensor Location: _____
Alarm/Trip Set Points: N/A
NI Detector Power Supply
Cut-off Power Level: N/A
Ni Detector Power Supply
Turn-on Power Level: N/A
Instrument Failure Mode: INCAL
Temperature Compensation
For DP Transmitters: N/A
Level Reference Leg: N/A
Unique System Desc: Measured using delta temp. from Harris MET tower
between upper & lower temp. The stability class is
per RegGuide 1.21 table 4B. (Note: Range 1 thru 7
corresponds to A thru G)

ENCLOSURE 2

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

DATA POINT LIBRARY - REPLACEMENT PAGES

DATA POINT LIBRARY REFERENCE FILE

Date:	___/___/___
Reactor Unit:	_____R02_____
Data Feeder:	_____ERFIS_____
NRC ERDS Parameter:	_____REAC VES LEV_____
Point ID:	_____RCL0487_____
Plant Spec Point Desc.:	_____RVLIS FULL RANGE A_____
Generic/Cond Desc.:	_____REACTOR VESSEL WATER LEVEL_____
Analog/Digital:	_____A_____
Engr Units/Dig States:	_____1_____
Engr Units Conversion:	_____
Minimum Instr Range:	_____0_____
Maximum Instr Range:	_____120_____
Zero Point Reference:	_____BOTTOM OF REACTOR VESSEL_____
Reference Point Notes:	_____65% EQUALS TOP OF ACTIVE FUEL_____
PROC or SENS:	_____P_____
Number of Sensors:	_____1_____
How Processed:	_____DIRECT READING_____
Sensor Locations:	_____AUXILIARY BUILDING_____
Alarm/Trip Set Points:	_____N/A_____
NI Detector Power Supply Cut-off Power Level:	_____N/A_____
NI Detector Power Supply Turn-on Power Level:	_____N/A_____
Instrument Failure Mode:	_____QUALITY - BAD OR NCAL OR RDER_____
Temperature Compensation For DP Transmitters:	_____YES_____
Level Reference Leg:	_____WET_____
Unique System Desc.:	_____THIS DATA PROVIDES TO ERFIS VIA DATA LINK WITH REACTOR VESSEL LEVEL INSTRUMENTATION SYSTEM_____

DATA POINT LIBRARY REFERENCE FILE

Date:	____/____/____
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	REAC VES LEV
Point ID:	RCL0490
Plant Spec Point Desc.:	RVLIS FULL RANGE B
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	BOTTOM OF REACTOR VESSEL
Reference Point Notes:	65% EQUALS TOP OF ACTIVE FUEL
PROC or SENSE:	P
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	AUXILIARY BUILDING
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	QUALITY = BAD OR NCAL OR RDER
Temperature Compensation For DP Transmitters:	YES
Level Reference Leg:	WET
Unique System Desc.:	THIS DATA PROVIDED TO ERFIS VIA DATA LINK WITH REACTOR VESSEL LEVEL INSTRUMENTATION SYSTEM.

DATA POINT LIBRARY REFERENCE FILE

Date:	<u> / / </u>
Reactor Unit:	<u> R02 </u>
Data Feeder:	<u> ERFIS </u>
NRC ERDS Parameter:	<u> REAC VES LEV </u>
Point ID:	<u> RCLO488 </u>
Plant Spec Point Desc.:	<u> RVLIS DYNAMIC HEAD A </u>
Generic/Cond Desc.:	<u> REACTOR VESSEL WATER LEVEL </u>
Analog/Digital:	<u> A </u>
Engr Units/Dig States:	<u> % </u>
Engr Units Conversion:	<u> </u>
Minimum Instr Range:	<u> 0 </u>
Maximum Instr Range:	<u> 120 </u>
Zero Point Reference:	<u> COMPLX </u>
Reference Point Notes:	<u> 65% EQUALS TOP OF ACTIVE FUEL </u>
PROC or SENS:	<u> P </u>
Number of Sensors:	<u> 1 </u>
How Processed:	<u> DIRECT READING </u>
Sensor Locations:	<u> AUXILIARY BUILDING </u>
Alarm/Trip Set Points:	<u> N/A </u>
NI Detector Power Supply Cut-off Power Level:	<u> N/A </u>
NI Detector Power Supply Turn-on Power Level:	<u> N/A </u>
Instrument Failure Mode:	<u> QUALITY = BAD OR NCAL OR RDER </u>
Temperature Compensation For DP Transmitters:	<u> YES </u>
Level Reference Leg:	<u> WET </u>
Unique System Desc.:	<u> MEASURES PRESSURE DROP ACROSS THE CORE</u> <u> WITH RCPs RUNNING. THIS DATA INVALID</u> <u> WITH NO RCPs RUNNING. THIS DATA</u> <u> PROVIDED TO ERFIS BY DATA LINK WITH</u> <u> REACTOR VESSEL LEVEL INSTRUMENTATION</u> <u> SYSTEM.</u>

DATA POINT LIBRARY REFERENCE FILE

Date:	__/__/__
Reactor Unit:	R02
Data Feeder:	ERFIS
NRG ERDS Parameter:	REAC VES LEV
Point ID:	RCL0491
Plant Spec Point Desc.:	RVLIS DYNAMIC HEAD B
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	COMPLX
Reference Point Notes:	65% EQUALS TOP OF ACTIVE FUEL
PROC or SENS:	P
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	AUXILIARY BUILDING
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	QUALITY = BAD OR NCAL OR RDER
Temperature Compensation For DP Transmitters:	YES
Level Reference Leg:	WET
Unique System Desc.:	MEASURES PRESSURE DROP ACROSS THE CORE WITH RCPs RUNNING. THIS DATA INVALID WHEN NO RCPs RUNNING. THIS DATA PROVIDED TO ERFIS VIA DATA LINK WITH REACTOR VESSEL LEVEL INSTRUMENTATION SYSTEM.

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	SG LEVEL A
Point ID:	FWL0403A
Plant Spec Point Desc.:	LT-477 S/G A WIDE RANGE LEVEL
Generic/Cond Desc.:	STEAM GENERATOR A WATER LEVEL
Analog/Digital:	A
Engr Units, Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TUBSHT
Reference Point Notes:	70% EQUALS TOP OF TUBE BUNDLE
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	ALONG SIDE A STM GEN., IN CV
Alarm/Trip Set Points:	HI LVL ALARM - 88%, LO LVL ALARM 67%
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	QUALITY = BAD OR NCAL OR RDER
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	WET
Unique System Desc.:	LO LVL ALARM BLOCKED IF SG PRESS >614 PSIG.

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	SG LEVEL B
Point ID:	FWLO423A
Plant Spec Point Desc.:	LT-487 S/G B WIDE RANGE LEVEL
Generic/Cond Desc.:	STEAM GENERATOR B WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TUBSHT
Reference Point Notes:	70% EQUALS TOP OF TUBE BUNDLE
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	ALONG SIDE B STM GEN, IN CV
Alarm/Trip Set Points:	HI LVL ALARM - 88%, LO LVL ALARM 67%
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	QUALITY = BAD OR NCAL OR RDER
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	WET
Unique System Desc.:	LO LVL ALARM BLOCKED IF SG PRESS >614 PSIG.

DATA POINT LIBRARY REFERENCE FILE

Date:	<u> / / </u>
Reactor Unit:	<u> R02 </u>
Data Feeder:	<u> ERFIS </u>
NRC ERDS Parameter:	<u> SG LEVEL C </u>
Point ID:	<u> FWLO443A </u>
Plant Spec Point Desc.:	<u> LT-497 S/G C WIDE RANGE LEVEL </u>
Generic/Cond Desc.:	<u> STEAM GENERATOR C WATER </u>
Analog/Digital:	<u> A </u>
Engr Units/Dig States:	<u> % </u>
Engr Units Conversion:	<u> N/A </u>
Minimum Instr Range:	<u> 0 </u>
Maximum Instr Range:	<u> 100 </u>
Zero Point Reference:	<u> TUBSHT </u>
Reference Point Notes:	<u> 70% EQUALS TOP OF TUBE BUNDLE </u>
PROC or SENS:	<u> S </u>
Number of Sensors:	<u> 1 </u>
How Processed:	<u> DIRECT READING </u>
Sensor Locations:	<u> ALONG SIDE C STM GEN. IN CV </u>
Alarm/Trip Set Points:	<u> HI LVL ALARM 88%, LO LVL ALARM 67% </u>
NI Detector Power Supply Cut-off Power Level:	<u> N/A </u>
NI Detector Power Supply Turn-on Power Level:	<u> N/A </u>
Instrument Failure Mode:	<u> QUALITY = BAD OR NCAL OR RDER </u>
Temperature Compensation For DP Transmitters:	<u> N/A </u>
Level Reference Leg:	<u> WET </u>
Unique System Desc.:	<u> LO LVL ALARM BLOCKED IF S/G PRESS </u>
	<u> >614 PSIG. </u>
	<u> </u>
	<u> </u>
	<u> </u>

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	AX FD FL C
Point ID:	AFF0004
Plant Spec Point Desc.:	TOTAL AFW FLOW TO S/G C
Generic/Cond Desc.:	STM GEN C AUXILIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	ADD
Sensor Locations:	TURBINE BLDG
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	QUALITY - BAD OR NCAL
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	SUPPLIED BY FT-1425C AND FT-1426C.

DATA POINT LIBRARY REFERENCE FILE

Date:	___/___/___
Reactor Unit:	_____ R02 _____
Data Feeder:	_____ ERFIS _____
NRC ERDS Parameter:	_____ PRZR LEVEL _____
Point ID:	_____ RCLO006 _____
Plant Spec Point Desc.:	_____ AVERAGE PRESSURIZER LEVEL _____
Generic/Cond Desc.:	_____ PRIMARY SYSTEM PRESURIZER LEVEL _____
Analog/Digital:	_____ A _____
Engr Units/Dig States:	_____ % _____
Engr Units Conversion:	_____ N/A _____
Minimum Instr Range:	_____ 0 _____
Maximum Instr Range:	_____ 100 _____
Zero Point Reference:	_____ BOTTOM OF PRESSURIZER _____
Reference Point Notes:	_____ 20% EQUALS TOP OF PZR HEATERS _____
PROC or SENS:	_____ P _____
Number of Sensors:	_____ 3 _____
How Processed:	_____ SEE UNIQUE SYSTEM DESC. _____
Sensor Locations:	_____ ALONG PZR, INSIDE CV _____
Alarm/Trip Set Points:	_____ SEE UNIQUE SYSTEM DESC. _____
NI Detector Power Supply Cut-off Power Level:	_____ N/A _____
NI Detector Power Supply Turn-on Power Level:	_____ N/A _____
Instrument Failure Mode:	_____ QUALITY = BAD OR NCAL OR RDER _____
Temperature Compensation For DP Transmitters:	_____ N/A _____
Level Reference Leg:	_____ WET _____
Unique System Desc.:	_____ PRESS LEVEL IS CALIBRATED FOR HOT OPERATION. THE THREE PRESSURIZER LEVEL SIGNALS ARE COMBINED IN A 2 OF 3 LOGIC. ANY SIGNALS OF "BAD" QUALITY WILL BE USED. IN THE RCS INVENTORY CSF _____

DATE POINT REFERENCE FILE

Date:	___/___/___
Reactor Unit:	___ R02 ___
Data Feeder:	___ ERFIS ___
NRC ERDS Parameter:	___ CTMNT SMP WR ___
Point ID:	___ SILO002 ___
Plant Spec Point Desc.:	___ AVERAGE CONTAINMENT SUMP LEVEL ___
Generic/Cond Desc.:	___ CONTAINMENT SUMP WIDE RANGE LEVEL ___
Analog/Digital:	___ A ___
Engr Units/Dig States:	___ INCH ___
Engr Units Conversion:	___ SEE UNIQUE SYSTEM DESC. ___
Minimum Instr Range:	___ 0 ___
Maximum Instr Range:	___ 500 ___
Zero Point Reference:	___ CV SUMP FLOOR ___
Reference Point Notes:	___ N/A ___
PROC or SENS:	___ P ___
Number of Sensors:	___ 2 ___
How Processed:	___ AVERAGE ___
Sensor Locations:	___ CONTAINMENT SUMP ___
Alarm/Trip Set Points:	___ N/A ___
NI Detector Power Supply Cut-off Power Level:	___ N/A ___
NI Detector Power Supply Turn-on Power Level:	___ N/A ___
Instrument Failure Mode:	___ QUALITY = BAD OR NCAL OR RDER ___
Temperature Compensation For DP Transmitters:	___ N/A ___
Level Reference Leg:	___ N/A ___
Unique System Desc.:	___ CV SUMP LEVEL FEET TO GALLON CONVERSION ___
	___ 0' - 14' 3.25 x 10 ³ GALLONS PER FOOT ___
	___ 14' - 27' 1.62 x 10 ³ GALLONS PER FOOT ___
	___ ___
	___ ___

ENCLOSURE 3

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

DATA POINT LIBRARY - ADDITIONAL PAGES

DATA POINT LIBRARY REFERENCE FILE

Date:	<u> / / </u>
Reactor Unit:	<u> R02 </u>
Data Feeder:	<u> ERFIS </u>
NRC ERDS Parameter:	<u> NL </u>
Point ID:	<u> RMF0001A </u>
Plant Spec Point Desc.:	<u> STACK FLOW FROM R-14 </u>
Generic/Cond Desc.:	<u> STACK FLOW </u>
Analog/Digital:	<u> A </u>
Engr Units/Dig States:	<u> CFM </u>
Engr Units Conversion:	<u> N/A </u>
Minimum Instr Range:	<u> 0 </u>
Maximum Instr Range:	<u> 90,000 </u>
Zero Point Reference:	<u> N/A </u>
Reference Point Notes:	<u> N/A </u>
PROC or SENS:	<u> S </u>
Number of Sensors:	<u> 1 </u>
How Processed:	<u> DIRECT READING </u>
Sensor Locations:	<u> STACK VENT RADIATION MONITOR </u>
Alarm/Trip Set Points:	<u> N/A </u>
NI Detector Power Supply	
Cut-off Power Level:	<u> N/A </u>
NI Detector Power Supply	
Turn-on Power Level:	<u> N/A </u>
Instrument Failure Mode:	<u> QUALITY = BAD OR RDER </u>
Temperature Compensation	
For DP Transmitters:	<u> N/A </u>
Level Reference Leg:	<u> N/A </u>
Unique System Desc.:	<u> PLANT VENT STACK FLOW MEASURED AT R-14 </u>
	<u> </u>
	<u> </u>
	<u> </u>
	<u> </u>

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	NL
Point ID:	RMK0003
Plant Spec Point Desc.:	R-14E CPM/Ci CONVERSION CONSTANT
Generic/Cond Desc.:	RAD MONITOR CONVERSION CONSTANT
Analog/Digital:	A
Engr Units/Dig States:	N/A
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:	N/A
Number of Sensors:	N/A
How Processed:	CONSTANT
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
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/A
Level Reference Leg:	N/A
Unique System Desc.:	CONSTANT FOR THE ASSOCIATED RADIATION MONITOR. ALLOWS CONVERSION FROM CPM OR MR/HR TO Ci. THE FORMULA HAS THE FORM: (MONITOR VALUE) (FLOW IN CFM) (4.72E-04) (CONSTANT) = Ci/SEC. THE NORMAL FLOW PATH FOR THIS MONITOR IS THE PLANT STACK. (POINT RMF0001A)

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_	
Reactor Unit:	R02	
Data Feeder:	ERFIS	
NRC ERDS Parameter:	NL	
Point ID:	RMK0002	
Plant Spec Point Desc.:	R-14D CPM/Ci CONVERSION CONSTANT	
Generic/Cond Desc.:	RAD MONITOR CONVERSION CONSTANT	
Analog/Digital:	A	
Engr Units/Dig States:	N/A	
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:	N/A	
Number of Sensors:	N/A	
How Processed:	CONSTANT	
Sensor Locations:	N/A	
Alarm/Trip Set Points:	N/A	
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/A	
Level Reference Leg:	N/A	
Unique System Desc.:	CONSTANT FOR THE ASSOCIATED RADIATION MONITOR. ALLOWS CONVERSION FROM CPM OR MR/HR TO Ci. THE FORMULA HAS THE FORM: (MONITOR VALUE) (FLOW IN CFM) (4.72E-04) (CONSTANT) = Ci/SEC. THE NORMAL FLOW PATH FOR THIS MONITOR IS THE PLANT STACK. (POINT RMF0001A)	

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	NL
Point ID:	RMK0001
Plant Spec Point Desc.:	R-14C CPM/C1 CONVERSION CONSTANT
Generic/Cond Desc.:	RAD MONITOR CONVERSION CONSTANT
Analog/Digital:	A
Engr Units/Dig States:	N/A
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:	N/A
Number of Sensors:	N/A
How Processed:	CONSTANT
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
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/A
Level Reference Leg:	N/A
Unique System Desc.:	CONSTANT FOR THE ASSOCIATED RADIATION MONITOR. ALLOWS CONVERSION FROM CPM OR MR/HR TO C1. THE FORMULA HAS THE FORM: (MONITOR VALUE) (FLOW IN CFM) (4.72E-04) (CONSTANT) = C1/SEC. THE NORMAL FLOW PATH FOR THIS MONITOR IS THE PLANT STACK. (POINT RMF0001A)

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	NL
Point ID:	RMK0005
Plant Spec Point Desc.:	R-21 CPM/C1 CONVERSION CONSTANT
Generic/Cond Desc.:	RAD MONITOR CONVERSION CONSTANT
Analog/Digital:	A
Engr Units/Dig States:	N/A
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:	N/A
Number of Sensors:	N/A
How Processed:	CONSTANT
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
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/A
Level Reference Leg:	N/A
Unique System Desc.:	CONSTANT FOR THE ASSOCIATED RADIATION MONITOR. ALLOWS CONVERSION FROM CPM OR MR/HR TO C1. THE FORMULA HAS THE FORM: (MONITOR VALUE) (FLOW IN CFM) (4.72E-04) (CONSTANT) = C1/SEC. THE NORMAL FLOW PATH FOR THIS MONITOR IS HVE-15/15A (POINT VAZ5403D). IF HVE-15 IS ON, USE 1.0 X 10 ⁶ CFM FOR FLOW. IF HVE-15 IS OFF, R-21 IS INVALID.

DATA POINT LIBRARY REFERENCE FILE

Date:	___/___/___
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	NL
Point ID:	RMK0006
Plant Spec Point Desc.:	R-30 CPM/Ci CONVERSION CONSTANT
Generic/Cond Desc.:	RAD MONITOR CONVERSION CONSTANT
Analog/Digital:	A
Engr Units/Dig States:	N/A
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:	N/A
Number of Sensors:	N/A
How Processed:	CONSTANT
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
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/A
Level Reference Leg:	N/A
Unique System Desc.:	CONSTANT FOR THE ASSOCIATED RADIATION MONITOR. ALLOWS CONVERSION FROM CPM OR MR/HR TO Ci. THE FORMULA HAS THE FORM: (MONITOR VALUE) (FLOW IN CFM) (4.72E-04) (CONSTANT) = Ci/SEC. THE NORMAL FLOW PATH FOR THIS MONITOR IS VIA HVE-14 (NOT MONITORED BY ERFIS).

DATA POINT LIBRARY REFERENCE FILE

Date:	___/___/___
Reactor Unit:	RC2
Data Feeder:	ERFIS
NRC ERDS Parameter:	NL
Point ID:	RMK0004
Plant Spec Point Desc.:	R-20 CPM/C1 CONVERSION CONSTANT
Generic/Cond Desc.:	RAD MONITOR CONVERSION CONSTANT
Analog/Digital:	A
Engr Units/Dig States:	N/A
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum I. . . Range:	N/A
Zero Point Tolerance:	N/A
Reference Point Notes:	N/A
PROC or SENS:	N/A
Number of Sensors:	N/A
How Processed:	CONSTANT
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
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/A
Level Reference Leg:	N/A
Unique System Desc.:	CONSTANT FOR THE ASSOCIATED RADIATION MONITOR. ALLOWS CONVERSION FROM CPM OR MR/HR TO C1. THE FORMULA HAS THE FORM: (MONITOR VALUE) (FLOW IN CPM) (4.74E-04) (CONSTANT) = C1/SEC. THE NORMAL FLOW PATH FOR THIS MONITOR IS VIA HVE-14 (NOT MONITORED BY ERFIS).

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/___
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	NL
Point ID:	VAZ5403D
Plant Spec Point Desc.:	HVE-15/15A FUEL BUILDING EXH FAN
Generic/Cond Desc.:	EXHAUST FAN STATUS
Analog/Digital:	D
Engr Units/Dig States:	0/1
Engr Units Corversion:	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:	DIRECT MEASUREMENT
Sensor Locations:	FAN MCC
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	QUALITY = BAD OR RDER
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	THIS POINT INDICATES IF HVE-15 IS
	"ON" (1) OR "OFF" (0).