



Carolina Power & Light Company

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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

EMERGENCY RESPONSE DATA SYSTEM - DATA POINT LIBRARY

Gentlemen:

The purpose of this letter is to provide Carolina Power & Light Company's Data Point Library (DPL) for the H. B. Robinson Steam Electric Plant, Unit No. 2 (HBR2). This DPL submittal completes the Emergency Response Data System information requirements for HBR2 contained in NUREG-1394, Revision 1.

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

Yours very truly,

David C. McCarthy
Manager

Nuclear Licensing Section

DBB/jbw

Enclosure

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EMERGENCY RESPONSE DATA SYSTEM (ERDS) IMPLEMENTATION

NURGEG-1394 REVISION 1

CRITICAL SAFETY FUNCTION PARAMETERS

FOR

H. B. ROBINSON NUCLEAR PROJECT DEPARTMENT
ROBINSON UNIT 2

CRITICAL SAFETY FUNCTION PARAMETERS FOR PRESSURIZED WATER REACTORS

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CRITICAL SAFETY FUNCTION PARAMETERS FOR PRESSURIZED WATER REACTORS

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DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	NI POWER RNG
Point ID:	NIN0001
Plant Spec Point Desc.:	SPDS POWER RANGE AVERAGE PERCENT POWER
Generic/Cond Desc.:	NUCLEAR INSTRUMENT POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
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:	REACTOR CORE
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION
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.:	LO POWER RANGE HI FLUX - 24%
	HIGH POWER RANGE HIGH FLUX - 108%
	PWR RANGE OVERPOWER ROD WDRL STOP - 103%
	PWR RANGE SINGLE CH HI RGE ALERT - 108%

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	NI INTR RNG
Point ID:	NIN0004
Plant Spec Point Desc.:	AVG INTERMEDIATE RANGE FLUX
Generic/Cond Desc.:	NUCLEAR INSTRUMENTATION, INTERMEDIATE RANGE
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E-10
Maximum Instr Range:	.100E-02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	REACTOR CORE, MID PLANE
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION
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.:	BLOCK IR TRIP WHEN PWR >10% (P-10) IR TRIP CURRENT EQUIVALENT TO 25% FULL POWER IR HI FLUX LVL ROD WDRL STOP CURRENT EQUIVALENT TO 20%

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/___
Reactor Unit:	KV2
Data Feeder:	ERFIS
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	NIN0005
Plant Spec Point Desc.:	AVG SOURCE RANGE FLUX
Generic/Cond Desc.:	NUCLEAR INSTRUMENT, SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+01
Maximum Instr Range:	.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	REACTOR CORE, LOWER 1/3 CORE
Alarm/Trip Set Points:	SR HI FLUX TRIP 10 ⁵ CPS
NI Detector Power Supply Cut-off Power Level:	10% POWER RANGE
NI Detector Power Supply Turn-on Power Level:	10 ⁻¹⁰ AMPS INTERMEDIATE RANGE
Instrument Failure Mode:	QUALITY = BAD OR NCAL OR RDER
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	_____

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRG ERDS Parameter:	REAC VES LEV
Point ID:	RCL0490
Plant Spec Point Desc.:	RVLIS FULL RANGE P
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:	N/A
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 Lag:	WET
Unique System Desc.:	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:	REAC VES LEV
Point ID:	RCL0488
Plant Spec Point Desc.:	RVLIS DYNAMIC HEAD A
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:	N/A
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 WITH NO RCPs RUNNING. THIS DATA PROVIDED TO _____ BY 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:	RCL0491
Plant Spec Point Desc.:	RVLIS DYNAMIC HEAD B
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:	COMPLX
Reference Point Notes:	N/A
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 = PAD OR NCAL OR RDER
Temperature Compensation For DP Transmitters:	YES
Level Reference Leg:	WT
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:	TEMP CORE EX
Point ID:	RXT0001
Plant Spec Point Desc.:	AVG OF 5 HOTTEST THERMOCOUPLES
Generic/Cond Desc.:	HIGHEST TEMPERATURE AT CORE EXIT
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	32
Maximum Instr Range:	1500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	5
How Processed:	AVERAGE OF 5 HIGHEST INCORE THERMOCOUPLES
Sensor Locations:	CORE EXIT
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.:	CORE EXIT THERMOCOUPLE DATA IS PROVIDED TO ERFIS VIA DATA LINK TO INADEQUATE CORE COOLING MONITOR (ICCM).

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	CORE FLOW
Point ID:	RCF0400A
Plant Spec Point Desc.:	FT-414 RC LOOP 1 FLOW
Generic/Cond Desc.:	TOTAL REACTOR COOLANT FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	A LOOP COLD LEG AT DISCHARGE OF SG
Alarm/Trip Set Points:	91% OF FULL FLOW
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.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	CORE FLOW
Point ID:	RCF0420A
Plant Spec Point Desc.:	FT-424 RC LOOP 2 FLOW
Generic/Cond Desc.:	TOTAL REACTOR COOLANT FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	B LOOP COLD LEG AT DISCHARGE OF S/G
Alarm/Trip Set Points:	91% OF FULL FLOW
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.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	CORE FLOW
Point ID:	RCF0440A
Plant Spec Point Desc.:	FT-434 RC LOOP 3 FLOW
Generic/Cond Desc.:	TOTAL REACTOR COOLANT FLOW
Analog/Digital:	A
Engr Units/Dig States:	8
Engr Units Converter:	
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	C LOOP COLD LEG AT DISCHARGE OF S/G
Alarm/Trip Set Points:	91% OF FULL FLOW
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 N/A OR RDER
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC EKDS Parameter:	SG PRESS A
Point ID:	MSP0007
Plant Spec Point Desc.:	AVG STM GEN A STEAM PRESSURE
Generic/Cond Desc.:	STEAM GENERATOR A PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1400
Zero Poi. Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	3
How Processed:	AVERAGE
Sensor Locations:	2ND LEVEL 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 OR RDER
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	SUPPLIED BY PTs 474, 475, 476 THESE HAVE INPUT TO STEAM PRESSURE INDICATION, S/G LEVEL CONTROL, REACTOR PROTECTION.

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	AX FD FL B
Point ID:	AFF0003
Plant Spec Point Desc.:	TOTAL AFW FLOW TO S/G B
Generic/Cond Desc.:	STM GEN B 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 OR RDER
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	SUPPLIED BY FT-1425B AND FT-1426B.

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	AX FD FL C
Point ID:	AFF0003
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
NRG ERDS Parameter:	HL TEMP B
Point ID:	RCT0439A
Plant Spec Point Desc.:	TE-423 LOOP 2 W/R HOT LEG TEMP
Generic/Cond Desc.:	STM GEN B INLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
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:	DIRECT READING
Sensor Locations:	LOOP B HOT LEG, INSIDE CV
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.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/___
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	HL TEMP C
Point ID:	RCT0459A
Plant Spec Point Desc.:	TE-433 LOOP 3 W/R HOT LEG TEMP
Generic/Cond Desc.:	STM GEN C W/T. HOT LEG TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
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:	DIRECT READING
Sensor Locations:	LOOP C HOT LEG, INSIDE CV
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.:	_____

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	RCP0493A
Plant Spec Point Desc.:	PT-500 PRESSURIZER PRESURE
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	3000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
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 Mod :	QUALITY = BAD OR NCAL OR RDER
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	THIS PT FEEDS TO LOW TEMP - HI PRESS PROTECTION WHICH OPEN A PZR PORV AT 400 PSIG WHEN SELECTED

Unique System Desc.: (Continued)

TREE. THERE ARE TWO SETPOINTS FOR
PRESSURIZER LEVEL. A HIGH LEVEL SETPOINT,
(75%) AND A LOW LEVEL SETPOINT (14.4%).
THE HIGH LEVEL SETPOINT REPRESENTS THE
WORST CASE. IF TWO OR MORE LEVELS
ARE BEYOND EITHER SETPOINTS, THE CURRENT
VALUE WILL BE CALCULATED FROM THOSE
LEVELS WHICH ARE BEYOND THAT SETPOINT.
IN THE UNLIKELY EVENT THAT ONE SIGNAL IS
ABOVE THE HIGH LEVEL, ONE SIGNAL IS BELOW
THE LOW LEVEL, AND ONE SIGNAL IS OF BAD
QUALITY (REDUCING THE LOGIC TO 1 TO 2),
PRIORITY IS GIVEN TO THE HIGH VALUE.

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	RCS CHG/MU
Point ID:	CHF0128A
Plant Spec Point Desc.:	FT-122 RCS CHARGING FLOW
Generic/Cond Desc.:	PRIMARY SYSTEM CHARGING OR MAKEUP FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	150
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	CHARGING PUMP DISCHARGE
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.:	_____

DATE POINT REFERENCE FILE

Date:	_/_/_	
Reactor Unit:	R02	
Data Feeder:	ERFIS	
NRC ERDS Parameter:	HP SI FLOW	
Point ID:	SIF5304A	
Plant Spec Point Desc.:	FT-943 SI COLD LEG INJECTION 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:	1000	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	1	
How Processed:	DIRECT READING	
Sensor Locations:	COMMON PUMP DISCHARGE PRIOR TO COLD LEGS	
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.:		

DATE POINT REFERENCE-FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	LP SI FLOW
Point ID:	RHF0626A
Plant Spec Point Desc.:	FT-605 RHR SYSTEM FLOW
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:	8500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	COMMON PUMP DISCHARGE PRIOR TO COLD LEGS
Alarm/Trip Set Points:	LO FLOW 3000 GPM
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.:	

DATE POINT REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRG ERDS Parameter:	CTMNT SMP WR
Point ID:	SIL0002
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:	N/A
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.:	_____

DATE POINT REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	RMRO051A
Plant Spec Point Desc.:	R-14A PLT VENT EFL PARTICULATE
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES
Analog/Digital:	A
Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+02
Maximum Instr Range:	.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	PLANT VENT STACK
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 KDER
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	SETPOINT IS BASED ON THE MOST RESTRICTIVE DOSE RATE OF 10CFR20 VARIABLE SETPOINT.

DATE POINT REFERENCE FILE

Date:	_/_/___
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	RMR0050A
Plant Spec Point Desc.:	R-14B PLT VENT EFL IODINE
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+02
Maximum Instr Range:	.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	PLANT VENT STACK
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESC
NI Detector Power Suppl: 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.:	SETPOINT IS BASED ON THE MOST RESTRICTIVE DOSE RATE OF 10CFR20 VARIABLE SETPOINT.

DATE POINT REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	RMRO049A
Plant Spec Point Desc.:	R-14C FLT VENT EFL NOBLE GAS LO
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES
Analog/Digital:	A
Engr Units/Dig Sta.:as:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+02
Maximum Instr Range:	.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	PLANT VENT STACK
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:	N/A
Unique System Desc.:	SETPOINT IS BASED ON THE MOST RESTRICTIVE DOSE RATE OF 10CFR20 ALARM SHUTS RCV-014, VARIABLE SETPOINT A HI-HI ALARM SWITCHER SAMPLE FLOW TO R-14D & E.

DATE POINT REFERENCE FILE

Date:	_/_/	
Reactor Unit:	R02	
Data Feeder:	ERFIS	
NRG ERDS Parameter:	EFF GAS RAD	
Point ID:	RMR0045A	
Plant Spec Point Desc.:	R-14D PLT VENT EFL NOBLE GAS MID	
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES	
Analog/Digital:	A	
Engr Units/Dig States:	CPM	
Engr Units Conversion:	N/A	
Minimum Instr Range:	.100E+02	
Maximum Instr Range:	.100E+07	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	1	
How Processed:	DIRECT READING	
Sensor Locations:	PLANT VENT STACK	
Alarm/Trip Set Points:	3.85 E-02 MCI/CC	
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.:	ALARM CORRESPONDS TO 50 MREM AT THE SITE BOUNDARY:	

DATE POINT REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	RMRO046A
Plant Spec Point Desc.:	R-14E PLT VENT EFL NOBLE GAS HI
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+02
Maximum Instr Range:	.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	PLANT VENT STACK
Alarm/Trip Set Points:	125 CCPM
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.:	

DATE POINT REFERENCE FILE

Date:	_/_/___	
Reactor Unit:	R02	
Data Feeder:	ERFIS	
NRC ERDS Parameter:	EFF GAS RAD	
Point ID:	RMRO020A	
Plant Spec Point Desc.:	R-20 LOWER LEVEL FHB RAD MONITOR	
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES	
Analog/Digital:	A	
Engr Units/Dig States:	CPM	
Engr Units Conversion:	N/A	
Minimum Instr Range:	.100E+02	
Maximum Instr Range:	.100E+08	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	1	
How Processed:	DIRECT READING	
Sensor Locations:	DISCHARGE OF HVE-14	
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:	N/A	
Unique System Desc.:	SETPOINT IS BASED ON THE MOST RESTRICTIVE DOSE RATE OF 10CFR20 SETPOINT IS VARIABLE.	

DATE POINT REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRG ERDS Parameter:	EFF GAS RAD
Point ID:	KMR0021A
Plant Spec Point Desc.:	R-21 UPPER LEVEL FHB RAD MONITOR
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+02
Maximum Instr Range:	.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	DISCHARGE OF HVE-15
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:	N/A
Unique System Desc.:	SEIPOINT IS BASED ON 10% OF THE MPC FOR GASEOUS ACTIVITY AT THE SITE BOUNDARY.

DATE POINT REFERENCE FILE

Date:	_/_/	
Reactor Unit:	R02	
Data Feeder:	ERFIS	
NRC ERDS Parameter:	EFF GAS RAD	
Point ID:	RMRO030A	
Plant Spec Point Desc.:	R-30 HI RANGE FHB RAD MONITOR	
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES	
Analog/Digital:	A	
Engr Units/Dig States:	MRHR	
Engr Units Conversion:	N/A	
Minimum Instr Range:	.100E+01	
Maximum Instr Range:	.100E+06	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	1	
How Processed:	DIRECT READING	
Sensor Locations:	DISCHARGE OF HVE-14	
Alarm/Trip Set Points:	3 MR/HR + BACKGROUND	
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.:		

DATE POINT REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	RMRO018A
Plant Spec Point Desc.:	R-18 LIQ WASTE DISPOSAL MONITOR
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQUIDS
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+02
Maximum Instr Range:	.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	DISCHARGE PIPING OF WASTE PUMP
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:	N/A
Unique System Desc.:	SET POINT IS CALCULATED PRIOR TO EACH RELEASE.

DATE POINT REFERENCE FILE

Date:	_/_/	
Reactor Unit:	R02	
Data Feeder:	ERFIS	
NRC KRDS Parameter:	COND A/E RAD	
Point ID:	RMR0015A	
Plant Spec Point Desc.:	R-15 COND AIR EXHAUST MONITOR	
Generic/Cond Desc.:	CONDENSER AIR EJECTOR RADIOACTIVITY	
Analog/Digital:	A	
Engr Units/Dig States:	CPM	
Engr Units Conversion:	N/A	
Minimum Instr Range:	.100E+02	
Maximum Instr Range:	.100E+07	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	1	
How Processed:	DIRECT READING	
Sensor Locations:	DISCHARGE OF VACUUM PUMPS	
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 Log:	N/A	
Unique System Desc.:	ALARM SET POINT IS BASED ON THE MOST RESTRICTIVE DOSE RATE OF 10CFR20.	

DATE POINT REFERENCE FILE

Date:	_/_/_	
Reactor Unit:	R02	
Data Feeder:	ERFIS	
NRC ERDS Parameter:	CNTMNT RAD	
Point ID:	RMR0043A	
Plant Spec Point Desc.:	R-32A CV HI RANGE AREA MONITOR	
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT	
Analog/Digital:	A	
Engr Units/Dig States:	R/HR	
Engr Units Conversion:	N/A	
Minimum Instr Range:	.100E+01	
Maximum Instr Range:	.100E+08	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	1	
How Processed:	DIRECT READING	
Sensor Locations:	3RD LEVEL CONTAINMENT	
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:	N/A	
Unique System Desc.:	2 ALARMS	ALERT AT 10 R/HR
		HIGH AT 1000 R/HR

DATE POINT REFERENCE FILE

Date: _____ / ____ / ____

Reactor Unit: _____ R02

Data Feeder: _____ ERFIS

NRC ERDS Parameter: _____ RCS LTDN RAD

Point ID: _____ RMR0009A

Plant Spec Point Desc.: _____ R-9 RCS LETDOWN LINE RAD MONITOR

Generic/Cond Desc.: _____ RAD LEVEL OF THE RCS LETDOWN LINE

Analog/Digital: _____ A

Engr Units/Dig States: _____ MRHR

Engr Units Conversion: _____

Minimum Instr Range: _____ .100E+01

Maximum Instr Range: _____ .100E+06

Zero Point Reference: _____ N/A

Reference Point Notes: _____ N/A

PROC or SENS: _____ S

Number of Sensors: _____ 1

How Processed: _____ DIRECT READING

Sensor Locations: _____ LETDOWN PIPING

Alarm/Trip Set Points: _____ 3000 MR/HR

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.: _____

DATE POINT REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRG ERDS Parameter:	MAIN SL A
Point ID:	RMRO040A
Plant Spec Point Desc.:	R-31A STM LINE A RAD MONITOR
Generic/Cond Desc.:	STM GEN A STEAM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	MRHR
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+01
Maximum Instr Range:	.100E+06
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIPECT READING
Sensor Locations:	"A" STEAM LINE TURBINE DECK
Alarm/Trip Set Points:	12 MR/HR
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.:	

DATE POINT REFERENCE FILE

Date:	_/_/___
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	MAIN SL B
Point ID:	RME0041A
Plant Spec Point Desc.:	R-31E STM LINE B RAD MONITOP
Generic/Cond Desc.:	STM GEN B STEAM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Div ₂ States:	MRHR
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+01
Maximum Instr Range:	.100E+06
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	"B" STEAM LINE TUREINE DECK
Alara/Trip Set Points:	12 MR/HR
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 Log:	N/A
Unique System Desc.:	_____

DATE POINT REFERENCE FILE

Date:	__/__/__
Reactor Unit:	_____ R02 _____
Data Feeder:	_____ ERFIS _____
NRC ERDS Parameter:	_____ MAIN SL C _____
Point ID:	_____ RMR0042A _____
Plant Spec Point Desc.:	_____ K-31C STM LINE C RAD MONITOR _____
Generic/Cond Desc.:	_____ STM GEN C STEAM LINE RAD LEVEL _____
Analog/Digital:	_____ A _____
Engr Units/Dig States:	_____ MRHR _____
Engr Units Conversion:	_____ N/A _____
Minimum Instr Range:	_____ .100E+01 _____
Maximum Instr Range:	_____ .100E+06 _____
Zero Point Reference:	_____ N/A _____
Reference Point Notes:	_____ N/A _____
PROC or SENS:	_____ S _____
Number of Sensors:	_____ 1 _____
How Processed:	_____ DIREC. READING _____
Sensor Locations:	_____ "C" STEAM LINE TURBINE DECK _____
Alarm/Trip Set Points:	_____ 12 MR/MR _____
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.:	_____ _____ _____ _____ _____

DATE POINT REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	SG BD RAD B
Point ID:	RMR0047A
Plant Spec Point Desc.:	R-19B S/G B BLOWDOWN RAD MONITOR
Generic/Cond Desc.:	STM GEN B BLOWDOWN RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+02
Maximum Instr Range:	.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	1ST LEVEL AUX BLDG.
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 BDER
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ALARM SET POINT BASED ON 10CFR20 LIMITS.

DATE POINT REFERENCE FILE

Date:	_/_/_
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	SG BD RAD C
Point ID:	RMR0048A
Plant Spec Point Desc.:	R-19C S/G C BLOWDOWN RAD MONITOR
Generic/Cond Desc.:	STM GEN C BLOWDOWN RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	.100E+02
Maximum Instr Range:	.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	DIRECT READING
Sensor Locations:	1ST LEVEL AUX BLDG.
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:	N/A
Unique System Desc.:	ALARM SET POINT BASED ON 10CFR20 LIMITS.

DATE POINT REFERENCE FILE

Date:	_/_/_	
Reactor Unit:	R02	
Data Feeder:	ERFIS	
NRC ERDS Parameter:	CTMNT PRESS	
Point ID:	CVP0001	
Plant Spec Point Desc.:	AVERAGE CONTAINMENT PRESSURE	
Generic/Cond Desc.:	CONTAINMENT PRESSURE	
Analog/Digital:	A	
Engr Units/Dig States:	PSIG	
Engr Units Conversion:	N/A	
Minimum Instr Range:	-5.0	
Maximum Instr Range:	135.0	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	P	
Number of Sensors:	6	
How Processed:	SEE UNIQUE SYSTEM DESC.	
Sensor Locations:	AUXILIARY BLDG.	
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:	N/A	
Unique System Desc.:	2 OUT OF 3 HI (4 PSIG) GIVES A SI SIGNAL	
	2 OUT OF 3 PLUS 2 OUT OF 3 HI/HI	
	(20 PSIG) GIVES A CV SPRAY SIGNAL.	

DATE POINT REFERENCE FILE

Unique System Desc.: (Continued)

THE SIX SIGNALS ARE COMBINED IN A 2 OUT
OF SIX LOGIC. IN THE CONTAINMENT TREE
THERE ARE TWO SETPOINTS FOR CONTAINMENT
PRESSURE, A HIGH PRESSURE (4 PSIG) AND A
HIGH-HIGH PRESSURE SETPOINT (20 PSIG.)
THE HIGH-HIGH PRESSURE SETPOINT
REPRESENTS THE WORST CASE. PRIORITY IS
GIVEN TO THE HIGH-HIGH VALUES WHEN THERE
ARE TWO OR MORE SIGNALS ABOVE EACH SET-
POINT.

IF ONE SIGNAL IS ABOVE THE HIGH-HIGH
PRESSURE, ONE SIGNAL IS ABOVE ONLY THE
HIGH PRESSURE, AND THE OTHER SIGNALS ARE
IN THE NORMAL RANGE, THE VALUE WHICH IS
ABOVE THE HIGH PRESSURE IS USED. IN THIS
UNLIKELY CASE, 2 OF 6 SIGNALS ARE ABOVE
THE HIGH PRESSURE BUT ONLY 1 OF 6 IS
ABOVE THE HIGH-HIGH PRESSURE.

IN THE CASE OF BAD QUALITY SIGNALS, THE
LOGIC IS REDUCED TO 2 OF 5, AND THEN 2 OF
4, THEN 2 OF 3. IF THERE ARE FEWER THAN
3 GOOD QUALITY SIGNALS, THE CALCULATION
WILL BE CONSIDERED NON-VALIDATED.

DATA POINT LIBRARY REFERENCE FILE

Date:	___/___/___
Reactor Unit:	_____ R02 _____
Data Feeder:	_____ ERFIS _____
NRG EPDS Parameter:	_____ CTMNT TEMP _____
Point ID:	_____ CVT0001 _____
Plant Spec Point Desc.:	_____ AVERAGE CV A. TEMPERATURE _____
Generic/Cond Desc.:	_____ CONTAINMENT TEMPERATURE _____
Analog/Digital:	_____ A _____
Engr Units/Dig States:	_____ DEGF _____
Engr Units Conversion:	_____ N/A _____
Minimum Instr Range:	_____ 0.0 _____
Maximum Instr Range:	_____ 600.0 _____
Zero Point Reference:	_____ N/A _____
Reference Point Notes:	_____ N/A _____
PROC or SENS:	_____ P _____
Number of Sensors:	_____ 5 _____
How Processed:	_____ AVERAGE _____
Sensor Locations:	_____ 1ST LEVEL CV _____
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 _____
Temperature Compensation For DP Transmitters:	_____ N/A _____
Level Reference Leg:	_____ N/A _____
Unique System Desc.:	_____ _____ _____ _____ _____ _____

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/___
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	H2 CONC
Point ID:	SSC0001
Plant Spec Point Desc.:	AVERAGE CV H2 CONCENTRATION
Generic/Cond Desc.:	CONTAINMENT HYDROGEN CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	F
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	3RD LEVEL CV
Alarm/Trip Set Points:	3.5%
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.:	_____ _____ _____ _____

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_
Reactor Unit:	ROZ
Data Feeder:	ERFIS
NFC ERDS Parameter:	RWST LEVEL
Point ID:	SIL0001
Plant Spec Point Desc.:	AVERAGE RWST LEVEL
Generic/Cond Desc.:	BORATED WATER STORAGE TANK LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	160
Zero Point Reference:	TNK BOT
Reference Point Notes:	N/A
FRCC or SENS:	P
Number of Sensors:	2
How Processed:	FRAGE
Sensor Locations:	ALONG SIDE THE TANK
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.:	HI ALARM AT 95%
	LO ALARM AT 27%
	LO/LO ALARM AT 9%

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/___
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	WIND SPEED
Point ID:	EMT0007S
Plant Spec Point Desc.:	LOWER WIND SPEED (11.0M)
Generic/Cond Desc.:	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	15 MINUTE AVERAGE
Sensor Locations:	ROBINSON MET TOWER
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 VALUE=-999 OR 999
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_	
Reactor Unit:	R02	
Data Feeder:	ERFIS	
NRC ERDS Parameter:	WIND SPEED	
Point ID:	EMT0002S	
Plant Spec Point Desc.:	UPPER WIND SPEED (62.3M)	
Generic/Cond Desc.:	WIND SPEED AT REACTOR SITE	
Analog/Digital:	A	
Engr Units/Dig States:	MPH	
Engr Units Conversion:	N/A	
Minimum Instr Range:	0	
Maximum Instr Range:	100	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	S	
Number of Sensors:	1	
How Processed:	15 MINUTE AVERAGE	
Sensor Locations:	ROBINSON MET TOWER	
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 VALUE=-999 OR 999	
Temperature Compensation For DP Transmitters:	N/A	
Level Reference Leg:	N/A	
Unique System Desc.:		

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/___
Reactor Unit:	R02
Data Feeder:	ERFIS
NRC ERDS Parameter:	WIND DIR
Point ID:	EMT0005D
Plant Spec Point Desc.:	LOWER WIND DIRECTION (11.0M)
Generic/Cond Desc.:	WIND DIRECTION AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	DEG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360.0
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	15 MINUTE AVERAGE
Sensor Locations:	ROBINSON MET TOWER
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 VALUE=-999 OR 999
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	_/_/_	
Reactor Unit:		R02
Data Feeder:		ERFIS
NRC ERDS Parameter:		WIND DIR
Point ID:		EMT0004D
Plant Spec Point Desc.:		UPPER WIND DIRECTION (62.3M)
Generic/Cond Desc.:		WIND DIRECTIO: AT REACTOR SITE
Analog/Digital:		A
Engr Units/Dig States:		DEG
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		360.0
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		S
Number of Sensors:		1
How Processed:		15 MINUTE AVERAGE
Sensor Locations:		ROBINSON MET TOWER
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 VALUE=-999 OR 999
Temperature Compensation For DP Transmitters:		N/A
Level Reference Leg:		N/A
Unique System Desc.:		

DATA POINT LIBRARY REFERENCE FILE

Date:	___/___/___
Reactor Unit:	_____ R02 _____
Data Feeder:	_____ ERFIS _____
NRG ERDS Parameter:	_____ STAB CLASS _____
Point ID:	_____ EMT0016 _____
Plant Spec Point Desc.:	_____ PASQUAL STABILITY CLASSIFICATION _____
Generic/Cond Desc.:	_____ AIR STABILITY AT REACTOR SITE _____
Analog/Digital:	_____ A _____
Engr Units/Dig States:	_____ STABI _____
Engr Units Conversion:	_____ N/A _____
Minimum Instr Range:	_____ 1 _____
Maximum Instr Range:	_____ 7 _____
Zero Point Reference:	_____ N/A _____
Reference Point Notes:	_____ N/A _____
PROC or SENS:	_____ P _____
Number of Sensors:	_____ 2 _____
How Processed:	_____ SEE UNIQUE SYSTEM DESCRIPTION _____
Sensor Locations:	_____ SEE UNIQUE SYSTEM DESCRIPTION _____
Alarm/Trip Set Points:	_____ NONE _____
NI Detector Power Supply Cut-off Power Level:	_____ N/A _____
NI Detector Power Supply Turn-on Power Level:	_____ N/A _____
Instrument Failure Mode:	_____ QUALITY = BAD OR NCAL OR RDER _____
Temperature Compensation For DP Transmitters:	_____ N/A _____
Level Reference Leg:	_____ N/A _____
Unique System Desc.:	_____ MEASURED USING DIFFERENTIAL TEMPERATURE _____ (FROM ROBINSON MET TOWER) BETWEEN UPPER _____ AND LOWER TEMPERATURE. THE STABILITY _____ CLASSIFICATION IS PER REG. GUIDE 1.21, _____ TABLE 4B. _____