



Illinois Power Company
Clinton Power Station
P.O. Box 678
Clinton, IL 61727
Tel 217 935-8881

U-601951
EP560-92 (03-31)LP
1N.100

March 31, 1992
10CFR50, Appendix E IV.E.d

Mr. John Jolicoeur
Office for Analysis and Evaluation of Operational Data
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Emergency Response Data System Questionnaire

Dear Sir:

Please find attached Illinois Power's (IP) response to the Emergency Response Data System (ERDS) Questionnaire. IP's response is presented in the following format as requested per NUREG 1394 (Section I not included since no exceptions noted):

- Attachment 1 is Section I, Contacts,
- Attachment 2 is Section III, Selection of Data Feeders,
- Attachment 3 is Section IV, Data Feeder Information,
- Attachment 4 is the Data Point Library.

If you have comments or questions about any of this information, please call Mr. William L. Yarosz, the survey coordinator, at (217)935-8881 extension 3741.

Sincerely,

F. A. Spangenberg
F. A. Spangenberg
Manager - Licensing and Safety

WLY/mjb

Attachments

cc: NRC Clinton Licensing Project Manager
NRC Resident Office
Regional Administrator, Region III, USNRC
NRC Document Control Desk

9204070098 920331
PDR ADDCK 05000461
F PDR

Att: *Handwritten initials and signatures*
NAF/DIQA/LHFB
RES/DIQA/LHFB
NRR/DIQA/LHFB
402611

ATTACHMENT 1

I. Contacts

A. Survey Coordinator

William L. Yarosz
Supervisor, Emergency Planning
217-935-8881 ext. 3741

NOTE: All addresses are:
Clinton Power Station
P.O. Box 678
Clinton, Illinois 61727

B. Computer Hardware Specialist

Don Dieker
Project Engineer
217-935-8881 ext. 4035

C. System Software Specialist

Don Dieker
Project Engineer
217-935-8881 ext. 4035

D. Application-level Software Specialists

Don Dieker
Project Engineer
217-935-8881 ext. 4035

E. Telephone System Specialist

A.F. Raiha
Facilities Administrator
217-935-8881 ext. 3636

ATTACHMENT 2

III. Selection of Data Feeders

A. How many data feeders are there (six maximum)?

We have 3 main sources of data: Meteorological Tower, Area Radiation Process Radiation (ARPR) System and CX/CZ (Process Computer). The Meteorological Tower sensor data and ARPR sensor data are consolidated at our Eberling Computer. The Eberline Computer and the CX/CZ Computer then feed this data to a single monitoring computer, the Buffer System (BS). Thus all 3 data streams are available at BS. The BS will generate a single data feed that will provide all data points. This data feed will be directed into a computer platform recommended by the NRC contractor, NUS. This platform will execute the NUS program which is designed to support the ERDS communications requirements.

In the following questions, 'data feed' will be taken as referring to the single data feed originating at the BS, and passing through the recommended NUS platform, as instructed at the NRC/NUS/IP meeting held 10/9/91.

B. Identify the selected data feeders and provide the following for each:

- (1) a short description of the categories of data points it will provide (e.g., met, rad, or plant data points, by unit) and

- (1a) The data feeder will provide all data points available for transmittal to ERDS. This will include Meteorological, ARPR, and CX/CZ (process computer) data points.

- (2) the rationale for selecting it if another system can also provide its categories of data points.

- (2a) N/A

C. White data feeder is the site time determining feeder? This should be the feeder which is providing the majority of the data points.

The selected feeder will also provide the data time stamp.

ATTACHMENT 3

IV. Data Feeder Information

1. Identification of Data Feeder

- a. What is the name in local parlance given to this data feeder (e.g., Emergency Response Information System)? Please give both the acronym and the words forming it.

Buffer System (BS).

- b. Is this the site time determining feeder?

The site time is obtained by the BS from the NSS processor at the time of data acquisition.

- c. How often will this feeder transmit an update set to the EKDS (in seconds)?

Every 60 seconds.

2. Hardware/Software Environment

- a. Identify the manufacturer and model number of the data feeder hardware.

The BS computer is manufactured by Hewlett Packard. It is an Apollo Series 400. The machine running NUS software will be as specified or recommended by NUS.

- b. Identify the operating system.

The BS computer operating system is HP-UX (Unix). The operating system of the machine running NUS software will be as specified or recommended by NUS.

- c. What method of time keeping is implemented on this feeder system (Daylight Savings, Standard, Greenwich)?

The site time will be of the form Central Standard/Daylight Savings.

- d. In what time zone is this feeder located?

Central.

3. Data Communication Details

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

Yes.

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

ASCII.

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

Yes.

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

Yes.

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

No.

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

N/A

- f. Do any ports currently exist for the ERDS linkup?

A port will be available on the Buffer System.

1. If not, is it possible to add additional ports?

N/A

2. If yes, will the port be used solely by the ERDS or shared with other non-emergency-time users? Give details.

The port will be dedicated to ERDS data.

4. Data Feeder Physical Environment and Management

- a. Where is the data feeder located in terms of the TSC, EOF, and control room?

At this time, the data feed will be located in the same building as the EOF.

- b. Is the data feeder protected from loss of supply of electricity?

Not at this time. This question is being addressed in our long range plans.

- c. Is there a human operator for this data feeder?

Yes.

1. If so, how many hours a day is the feeder attended?

The feeder will be attended upon declaration of an alert.

ATTACHMENT 4

CPS DATA POINT LIBRARY REFERENCE FILE

Date:	20-Mar-92
Reactor Unit:	Clinton Unit 1
Data Feeder:	CX/CZ
NRC ERDS Parameter:	NI Power Range
Point ID:	C51DD040
Plant Spec Point Desc:	APRM Power - Average
Generic/Cond Desc:	Nuclear Instruments - Power Range
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	Linear
Minimum Instr Range:	0
Maximum Instr Range:	125
Zero Point Reference:	n/a
Reference Point Notes:	n/a
PROC or SENS:	P
Number of Sensors:	4
How Processed:	Validated average
Sensor Locations:	
Alarm/Trip Set Points:	>120
NI Detector Power Supply Cut-off Power Level:	
NI Detector Power Supply Turn-on Power Level:	
Instrument Failure Mode:	
Temperature Compensation for DP Transmitters:	n/a
Level Reference Leg:	n/a
Unique System Desc:	Validated average is average of several points which must be within a specified tolerance of each other to be used in the average.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: NI Inter Range

Point ID: C51DA013

Plant Spec Point Desc: IRM - CH A

Generic/Cond Desc: Nuclear Instruments - Intermediate Range

Analog/Digital: A

Engr Units/Dig States: %

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 125

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 5/108

NI Detector Power Supply
Cut-off Power Level:

NI Detector Power Supply
Turn-on Power Level:

Instrument Failure Mode:

Temperature Compensation
for DP Transmitters: n/a

Level Reference Leg: n/a

Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: NI Inter Range

Point ID: C51DA016

Plant Spec Point Desc: IRM - CH D

Generic/Cond Desc: Nuclear Instruments - Intermediate Range

Analog/Digital: A

Engr Units/Dig States: %

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 125

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 5/108

NI Detector Power Supply
Cut-off Power Level:

NI Detector Power Supply
Turn-on Power Level:

Instrument Failure Mode:

Temperature Compensation
for DP Transmitters: n/a

Level Reference Leg: n/a

Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: NI Inter Range

Point ID: C51DA020

Plant Spec Point Desc: IRM - CH H

Generic/Cond Desc: Nuclear Instruments - Intermediate Range

Analog/Digital: A

Engr Units/Dig States: %

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 125

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 5/108

NI Detector Power Supply
Cut-off Power Level:

NI Detector Power Supply
Turn-on Power Level:

Instrument Failure Mode:

Temperature Compensation
for DP Transmitters: n/a

Level Reference Leg: n/a

Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: NI Sourc Range

Point ID: C51DD080

Plant Spec Point Desc: SRM - Average

Generic/Cond Desc: Nuclear Instruments - Source Range

Analog/Digital: A

Engr Units/Dig States: CPS

Engr Units Conversion: Anti-Log

Minimum Instr Range: 0.1

Maximum Instr Range: 1.0E6

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: P

Number of Sensors: 4

How Processed: Validated average

Sensor Locations:

Alarm/Trip Set Points:

NI Detector Power Supply
Cut-off Power Level:

NI Detector Power Supply
Turn-on Power Level:

Instrument Failure Mode:

Temperature Compensation
for DP Transmitters: n/a

Level Reference Leg: n/a

Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: Rx Water Level

Point ID: C34DD010

Plant Spec Point Desc: Reactor Water Level - ar Rng - Ave

Generic/Cond Desc: Reactor Water Level

Analog/Digital: A

Engr Units/Dig States: IN

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 60

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: P

Number of Sensors: 3

How Processed:

Sensor Locations:

Alarm/Trip Set Points: ≤ 8.9

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: Rx Water Level

Point ID: NB-DD020

Plant Spec Point Desc: Reactor Water Level - Wide Rng - Ave

Generic/Cond Desc: Reactor Water Level

Analog/Digital: A

Engr Units/Dig States: IN

Engr Units Conversion: Linear

Minimum Instr Range: -160

Maximum Instr Range: 60

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: P

Number of Sensors: 4

How Processed: Validated average

Sensor Locations:

Alarm/Trip Set Points: ≤ 0.9

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: Top of active fuel at -162 inches.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: Rx Water Level

Point ID: NB-DD010

Plant Spec Point Desc: Reactor Water Level - Fuel Zone - Ave

Generic/Cond Desc: Reactor Water Level

Analog/Digital: A

Engr Units/Dig States: IN

Engr Units Conversion: Linear

Minimum Instr Range: -312

Maximum Instr Range: -112

Zero Point Reference: n/a

Reference Point Notes: n/a

PLOC or SENS: P

Number of Sensors: 2

How Processed:

Sensor Locations:

Alarm/Trip Set Points: ≤ 8.9 / ≤ -162

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: Feedwater Flow

Point ID: C34DA001

Plant Spec Point Desc: Feedwater Flow - Loop A

Generic/Cond Desc: Feedwater Flow into the Reactor

Analog/Digital: A

Engr Units/Dig States: MLE/Hr

Engr Units Conversion: Linear

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: n/a

Sensor Locations:

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: Low

Temperature Compensation
for DP Transmitters: n/a

Level Reference Leg: n/a

Unique System Desc: Point set to go "BAD" if input signal < 30 mv
or >160mv.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92
 Reactor Unit: Clinton Unit 1
 Data Feeder: CX/CZ
 NRC ERDS Parameter: Feedwater Flow
 Point ID: C34DA00/
 Plant Spec Point Desc: Feedwater Flow - Loop B
 Generic/Cond Desc: Feedwater Flow into the Reactor
 Analog/Digital: A
 Engr Ur Dig States: MLB/Hr
 Engr Units Conversion: Linear
 Minimum Instr Range: 0
 Maximum Instr Range: 10
 Zero Point Reference: n/a
 Reference Point Notes: n/a
 PROC or SENS: 3
 Number of Sensors: 1
 How Processed: n/a
 Sensor Locations:
 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: Low
 Temperature Compensation
 for DP Transmitters: n/a
 Level Reference Leg: n/a
 Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date:	20-Mar-92
Reactor Unit:	Clinton Unit 1
Data Feeder:	CX/CZ
NRC ERDS Parameter:	RCIC Flow
Point ID:	E51DA001
Plant Spec Point Desc:	RCIC Flow
Generic/End Desc:	Reactor Core Isolation Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	Linear
Minimum Instr Range:	0
Maximum Instr Range:	800
Zero Point Reference:	n/a
Reference Point Notes:	n/a
PROC or SENS:	S
Number of Sensors:	1
How Processed:	n/a
Sensor Locations:	
Alarm/Trip Set Points:	120
NI Detector Power Supply Cut-off Power Level:	n/a
NI Detector Power Supply Turn-on Power Level:	n/a
Instrument Failure Mode:	Low
Temperature Compensation for DP Transmitters:	n/a
Level Reference Leg:	n/a
Unique System Desc:	

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: RCS Pressure

Point ID: RP-DD010

Plant Spec Point Desc: Reactor Pressure - Average

Generic/Cond Desc: Reactor Coolant System Pressure

Analog/Digital: A

Engr Units/Dig States: PSIG

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 1500

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: P

Number of Sensors: 2

How Processed: Validated average

Sensor Locations:

Alarm/Trip Set Points: 1065

NI Detector Power Supply
Cut-off Power Level: n/a

NI Detector Power Supply
Turn-on Power Level: n/a

Instrument Failure Mode: Low

Temperature Compensation
for DP Transmitters: n/a

Level Reference Leg: n/a

Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: HPCI Flow

Point ID: HP-DA301

Plant Spec Point Desc: HPCS Flow

Generic/Cond Desc: High Pressure Coolant Injection Flow

Analog/Digital: A

Engr Units/Dig States: GPM

Engr Units Conversion: Uncorrected square root

Minimum Instr Range: 0

Maximum Instr Range: 8000

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 625/6400

NI Detector Power Supply
Cut-off Power Level: n/a

NI Detector Power Supply
Turn-on Power Level: n/a

Instrument Failure Mode: Low

Temperature Compensation
for DP Transmitters: n/a

Level Reference Leg: n/a

Unique System Desc: Uncorrected square root conversion inaccurate
at low signal levels.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/C?

NRC ERDS Parameter: LPC1 Flow

Point ID: LP-DA301

Plant Spec Point Desc: LPC1 Flow

Generic/Cond Desc: Low Pressure Coolant Injection Flow

Analog/Digital: A

Engr Units/Dig States: GPM

Engr Units Conversion: Uncorrected square root

Minimum Instr Range: 0

Maximum Instr Range: 8000

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 875/6400

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: CR Spray FL

Point ID: RH-DA302

Plant Spec Point Desc: RHR Flow - A

Generic/Cond Desc: Core Spray Cooling System Flow

Analog/Digital: A

Engr Units/Dig States: GPM

Engr Units Conversion: Uncorrected square root

Minimum Instr Range: 0

Maximum Instr Range: 8000

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 800/7200

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: CR Spray FL

Point ID: RH-DA301

Plant Spec Point Desc: RHR Flow - B

Generic/Cond Desc: Core Spray Cooling System Flow

Analog/Digital: A

Engr Units/Dig States: KGPM

Engr Units Conversion: Uncorrected square root

Minimum Instr Range: 0

Maximum Instr Range: 8

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 5.22/7.25

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: CR Spray FL

Point ID: RH-DA303

Plant Spec Point Desc: RHR Flow - C

Generic/Cond Desc: Core Spray Cooling System Flow

Analog/Digital: A

Engr Units/Dig State: GPM

Engr Units Conversion: Uncorrected square root

Minimum Instr Range: 0

Maximum Instr Range: 7000

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1100/6060

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: DW FD SMP LV

Point ID: RF-BA301

Plant Spec Point Desc: Drywell Sump Drain Flow

Generic/Cond Desc: Drywell Floor Drain Sump Flow

Analog/Digital: A

Engr Units/Dig States: GPM

Engr Units Conversion: Linear

Minimum Instr Range: 0.5

Maximum Instr Range: 64

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 5

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: EFF Gas Rad

Point ID: VR-DD010

Plant Spec Point Desc: Vent Stack Rad Flow

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: A

Engr Units/Dig States: CI/Sec

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range:

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: P

Number of Sensors: 3

How Processed:

Sensor Locations:

Alarm/Trip Set Points: $>2.2E-2$

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: EFF Gas Rad

Point ID: VG-DD010

Plant Spec Point Desc: SGTS Stack Rad Flow

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: A

Engr Units/Dig States: CI/Sec

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range:

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: P

Number of Sensors: 3

How Processed:

Sensor Locations:

Alarm/Trip Set Points: $>2.2E-2$

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Gas Rad

Point ID: ARPR1255

Plant Spec Point Desc: HVAC Stack Noble Gas High Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 1.59E8

Minimum Instr Range: 6.4E-7

Maximum Instr Range: 2.8E-2

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 3.8E-4

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Gas Rad

Point ID: ARPR1265

Plant Spec Point Desc: HVAC Stack Noble Gas High Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 1.64E-8

Minimum Instr Range: 6.4E-7

Maximum Instr Range: 2.8E-2

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

Hcw Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 3.8E-4

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Gas Rad

Point ID: ARPR1257

Plant Spec Point Desc: HVAC Stack Noble Gas Low Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 1.27E-3

Minimum Instr Range: 5.0E-4

Maximum Instr Range: 2.6E1

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1.0E6

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Gas Rad

Point ID: ARPR1267

Plant Spec Point Desc: HVAC Stack Noble Gas Low Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 1.24E-3

Minimum Instr Range: 5.0E-4

Maximum Instr Range: 2.6E1

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1.0E6

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Gas Rad

Point ID: ARPR2223

Plant Spec Point Desc: HVAC AXM Noble Gas High Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 6.81E-3

Minimum Instr Range: 3.7E-1

Maximum Instr Range: 1.19E5

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1.0E6

NI Detector Power Supply
Cut-off Power Level: n/a

NJ 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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date:	20-Mar-92
Reactor Unit:	Clinton Unit 1
Data Feeder:	ARPR
NRC ERDS Parameter:	EFF Gas Rad
Pcint ID:	ARPR2124
Plant Spec Point Desc:	HVAC AXM Noble Gas Inter Range
Generic/Cond Desc:	Radioactivity of Released Gasses
Analog/Digital:	D
Engr Units/Dig States:	CPM/2
Engr Units Conversion:	2.49E-6
Minimum Instr Range:	8.3E-4
Maximum Instr Range:	2.45E2
Zero Point Reference:	n/a
Reference Point Notes:	n/a
PROC or SENS:	S
Number of Sensors:	1
How Processed:	n/a
Sensor Locations:	
Alarm/Trip Set Points:	1.0E6
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:	Engr Units Conversion based on current calibration. Min/max Instr Range based upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Gas Rad

Point ID: ARPR1276

Plant Spec Point Desc: SGTS Stack Noble Gas High Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 1.52E-8

Minimum Instr Range: 6.3E-7

Maximum Instr Range: 2.8E-2

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1.0E6

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Gas Rad

Point ID: ARPR1286

Plant Spec Point Desc: SGTS Stack Noble Gas High Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 2.63E-8

Minimum Instr Range: 6.3E-7

Maximum Instr Range: 2.8E-2

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1.0E6

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Gas Rad

Point ID: ARPR1279

Plant Spec Point Desc: SGTS Stack Noble Gas Low Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 1.85E-4

Minimum Instr Range: 1.5E-4

Maximum Instr Range: 2.3E1

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 2.19E-2

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameters: EFF Gas Rad

Point ID: ARPR1289

Plant Spec Point Desc: SGTS Stack Noble Gas Low Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 2.06E-4

Minimum Instr Range: 1.5E-4

Maximum Instr Range: 2.3E1

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 2.19E-2

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Gas Rad

Point ID: ARPR2213

Plant Spec Point Desc: SGTS AXM Noble Gas High Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 7.52E-3

Minimum Instr Range: 3.7E-1

Maximum Instr Range: 1.19E5

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1.0E6

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Gas Rad

Point ID: ARPR2214

Plant Spec Point Desc: SGTS AXM Noble Gas Inter Range

Generic/Cond Desc: Radioactivity of Released Gasses

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 2.7×10^{-6}

Minimum Instr Range: 8.3×10^{-4}

Maximum Instr Range: 2.45×10^2

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1.0×10^6

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Liq Rad

Point ID: ARPR1401

Plant Spec Point Desc: Rad Waste Liquid Monitor

Generic/Cond Desc: Radioactivity of Released Liquids

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 6.43E-9

Minimum Instr Range: 1.0E-7

Maximum Instr Range: 2.0E-3

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 2.7E-7

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Liq Rad

Point ID: ARPR1521

Plant Spec Point Desc: Rad Waste Low Flow Monitor

Generic/Cond Desc: Flow rate of liquid effluents

Analog/Digital: D

Engr Units/Dig States: GPM

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 75

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

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: n/a

Level Reference Leg: n/a

Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date:	20-Mar-92
Reactor Unit:	Clinton Unit 1
Data Feeder:	ARFR
NRC ERDS Parameter:	EFF Liq Rad
Point ID:	ARPR1522
Plant Spec Point Desc:	Rad Waste High Flow Monitor
Generic/Cond Desc:	Flow rate of liquid effluents
Analog/Digital:	D
Engr Units/Dig States:	GPM
Engr Units Conversion:	Linear
Minimum Instr Range:	450
Maximum Instr Range:	
Zero Point Reference:	n/a
Reference Point Notes:	n/a
PROC or SENSE:	S
Number of Sensors:	1
How Processed:	n/a
Sensor Locations:	
Alarm/Trip Set Points:	300
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:	

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Liq Rad

Point ID: ARPR1523

Plant Spec Point Desc: Rad Waste Flow Monitor

Generic/Cond Desc: Flow rate of liquid effluents

Analog/Digital: D

Engr Units/Dig States: GPM

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 7.5E4

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1.0E6

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: EFF Liq Rad

Point ID: ARPR1341

Plant Spec Point Desc: Service Water Liquid Monitor

Generic/Cond Desc: Radioactivity of Released Liquids

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 6.43E-9

Minimum Instr Range: 1.0E-7

Maximum Instr Range: 2.0E-3

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 2.7E-7

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

NRC ERDS Parameter: CND A/E Rad

Point ID: ARPR1311

Plant Spec Point Desc: Pretreatment Offgas Monitor

Generic/Cond Desc: Condensor Air Ejector Radioactivity

Analog/Digital: D

Engr Units/Dig States: CPM/2

Engr Units Conversion: 8.69E-3

Minimum Instr Range: 5.5E-2

Maximum Instr Range: 5.2E2

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed:

Sensor Locations:

Alarm/Trip Set Points: 4.99E1

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: Engr Units Conversion based on current
calibration. Min/max Instr Range based
upon current calibration constant.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERD3 Parameter: DW Rad

Point ID: CM-DD060

Plant Spec Point Desc: Drywell Gamma Rad - Average

Generic/Cond Desc: Radiation Level in the Drywell

Analog/Digital: A

Engr Units/Dig States: R/Hr

Engr Units Conversion: Anti-log for input

Minimum Instr Range: 1

Maximum Instr Range: 1.0E7

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: P

Number of Sensors: 2

How Processed: Validated average

Sensor Locations:

Alarm/Trip Set Points: ≥ 1.0

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 Log: n/a

Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: MN Steam Rad

Point ID: D17DA001

Plant Spec Point Desc: Main Steam Line A Radiation

Generic/Cond Desc: Radiation Level of the Main Steam Line

Analog/Digital: A

Engr Units/Dig States: MB/Hr

Engr Units Conversion: Anti-log

Minimum Instr Range: 0.997

Maximum Instr Range: 1E6

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: ≤ 10

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: MN Steam Rad

Point ID: D17DA002

Plant Spec Point Desc: Main Steam Line B Radiation

Generic/Cond Desc: Radiation Level of the Main Steam Line

Analog/Digital: A

Engr Units/Dig States: MR/Hr

Engr Units Conversion: Anti-log

Minimum Instr Range: .997

Maximum Instr Range: 1E5

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations: n/a

Alarm/Trip Set Points: 10

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: MN Steam Rad

Point ID: D17DA003

Plant Spec Point Desc: Main Steam Line C Radiation

Generic/Cond Desc: Radiation Level of the Main Steam Line

Analog/Digital: A

Engr Units/Dig States: MR/Hr

Engr Units Conversion: Anti-log

Minimum Instr Range: 0.997

Maximum Instr Range: 1E6

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: ≤ 10

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92
Reactor Unit: Clinton Unit 1
Data Feeder: CX/CZ
NRC ERDS Parameter: MN Steam Rad
Point ID: D17DA004
Plant Spec Point Desc: Main Steam Line D Radiation
Generic/Cond Desc: Radiation Level of the Main Steam Line
Analog/Digital: A
Engr Units/Dig States: MR/Hr
Engr Units Conversion: Anti-log
Minimum Instr Range: 0.997
Maximum Instr Range: 1E6
Zero Point Reference: n/a
Reference Point Notes: n/a
PROC or SENS: S
Number of Sensors: 1
How Processed: n/a
Sensor Locations:
Alarm/Trip Set Points: ≤ 10
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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92
Reactor Unit: Clinton Unit 1
Data Feeder: CX/CZ
NRC ERDS Parameter: DW Press
Point ID: B21DD010
Plant Spec Point Desc: Drywell Pressure - Average
Generic/Cond Desc: Drywell Pressure
Analog/Digital: A
Engr Units/Dig States: PSIG
Engr Units Conversion: Linear
Minimum Instr Range: 0
Maximum Instr Range: 5.0
Zero Point Reference: n/a
Reference Point Notes: n/a
PROC or SENS: P
Number of Sensors: 2
How Processed: Validated average
Sensor Locations:
Alarm/Trip Set Points: ≥ 1.68
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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: DW Temp

Point ID: CM-DD010

Plant Spec Point Desc: Drywell Temperature - Average

Generic/Cond Desc: Drywell Temperature

Analog/Digital: A

Engr Units/Dig States: DEG F

Engr Units Conversion: linear

Minimum Instr Range: 40

Maximum Instr Range: 350

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENSE: P

Number of Sensors: 2

How Processed: Validated average

Sensor Locations:

Alarm/Trip Set Points: $\geq 135^{\circ}$

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: SP Temp

Point ID: CM-DD040

Plant Spec Point Desc: Supp Pool Temp - Average

Generic/Cond Desc: Suppression Pool Water Temperature

Analog/Digital: A

Engr Units/Dig States: DEG F

Engr Units Conversion: Linear

Minimum Instr Range: 40

Maximum Instr Range: 250

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: P

Number of Sensors: 4

How Processed: Validated average

Sensor Location:

Alarm/Trip Set Points: $\geq 95^{\circ}$

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: SP Level

Point ID: SM-DD010

Plant Spec Point Desc: Supp Pool Level - Average

Generic/Cond Desc: Suppression Pool Water Level

Analog/Digital: A

Engr Units/Dig States: Feet

Engr Units Conversion: Linear

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: 4

How Processed:

Sensor Locations:

Alarm/Trip Set Points: ≤ 18.9 / ≥ 19.4

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: Units are in feet but the instrument range is
in inches.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: H2 CONC

Point ID: CM-BA901

Plant Spec Point Desc: Hydrogen Concentration

Generic/Cond Desc: Drywell or Torus Hydrogen Concentration

Analog/Digital: A

Engr Units/Dig States: %

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 30

Zero Point Reference: n/a

Reference Point Note: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1

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: The hydrogen analyzer only runs once every 24 hrs.
Input comes thru optical isolator which would
probably give a "BAD" if isolator fails.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/C2

NRC ERDS Parameter: H2 CONC

Point ID: CM-BA902

Plant Spec Point Desc: Hydrogen Concentration

Gener/c/Cond Desc: Drywell or Torus Hydrogen Concentration

Analog/Digital: A

Engr Units/Dig States: %

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 30

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1

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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date:	20-Mar-92
Reactor Unit:	Clinton Unit 1
Data Feeder:	CX/CZ
NRC ERDS Parameter:	O2 CONC
Point ID:	CM-BA903
Plant Spec Point Desc:	Oxygen Concentration
Generic/Cond Desc:	Drywell or Torus Oxygen Concentration
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	Linear
Minimum Instr Range:	0
Maximum Instr Range:	30
Zero Point Reference:	n/a
Reference Point Notes:	n/a
PROC or SENS:	S
Number of Sensors:	1
How Processed:	n/a
Sensor Locations:	
Alarm/Trip Set Points:	1
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:	The Hydrogen/oxygen analyzer only runs once every 24 hrs.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: O2 CONC

Point ID: CM-BA904

Plant Spec Point Desc: Oxygen Concentration

Generic/Cond Desc: Drywell or Torus Oxygen Concentration

Analog/Digital: A

Engr Units/Dig States: %

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 30

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: 1

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: The hydrogen/oxygen analyzer only runs once every
24 hrs.

CPS DATA POINT LIBRARY REFERENCE FILE

Date:	20-Mar-92
Reactor Unit:	Clinton Unit 1
Data Feeder:	CX/CZ
NRC ERDS Parameter:	CST Level
Point ID:	CY-BA401
Plant Spec Point Desc:	Condensate Storage Tank A Level
Generic/Cond Desc:	Condensate Storage Tank Level
Analog/Digital:	A
Engr Units/Dig St ces:	Feet
Engr Units Conversion:	Linear
Minimum Instr Range:	0
Maximum Instr Range:	23.5
Zero Point Reference:	n/a
Reference Point Notes:	n/a
PROC or SENS:	2
Number of Sensors:	1
How Processed:	n/a
Sensor Locations:	
Alarm/Trip Set Points:	≤1.5 / ≥21.2
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:	

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92
 Reactor Unit: Clinton Unit 1
 Data Feeder: Met Tower
 NRC ERDS Parameter: Wind Speed
 Point ID: ARPR1501
 Plant Spec Point Desc: Wind Speed at 60 meters
 Generic/Cond Desc: Wind Speed
 Analog/Digital: D
 Engr Units/Dig States: MPH
 Engr Units Conversion: Linear
 Minimum Instr Range: 0
 Maximum Instr Range: 100
 Zero Point Reference: n/a
 Reference Point Notes: n/a
 PROC or SENS: 3
 Number of Sensors: 1
 How Processed: n/a
 Sensor Locations:
 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: n/a
 Level Reference Leg: n/a
 Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92
 Reactor Unit: Clinton Unit 1
 Data Feeder: Met Tower
 NRC ERDS Parameter: Wind Speed
 Point ID: ARPR1504
 Plant Spec Point Desc: Wind Speed at 10 meters
 Generic/Control Desc: Wind Speed
 Analog/Digital: D
 Engr Units/Dig States: MPH
 Engr Units Conversion: Linear
 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: n/a
 Sensor Locations:
 Alarm/Trip Set Points:
 NI Detects: 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:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: Met Tower

NRC ERDS Parameter: Wind DIR

Point ID: ARPRI502

Plant Spec Point Desc: Wind Direction at 60 meters

Generic/Cond Desc: Wind Direction

Analog/Digital: D

Engr Units/Dig States: Degrees

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 540

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

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: n/a

Level Reference Leg: n/a

Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92

Reactor Unit: Clinton Unit 1

Data Feeder: Met Tower

NRC ERDS Parameter: Wind DIR

Point ID: ARPR1505

Plant Spec Point Desc: Wind Direction at 10 meters

Generic/Cond Desc: Wind Direction

Analog/Digital: D

Engr Units/Dig States: Degrees

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 540

Zero Point Reference: n/a

Reference Point Notes: n/a

PROC or SENS: S

Number of Sensors: 1

How Processed: n/a

Sensor Locations:

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: n/a

Level Reference Leg: n/a

Unique System Desc:

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 20-Mar-92
 Reactor Unit: Clinton Unit 1
 Data Feeder: Met Tower
 NRC ERDS Parameter: STAB Class
 Point ID: *****
 Plant Spec Point Desc: *** NOT AVAILABLE ***
 Generic/Cond Desc: Air Stability at Reactor Site
 Analog/Digital:
 Engr Units/Dig States:
 Engr Units Conversion:
 Minimum Instr Range:
 Maximum Instr Range:
 Zero Point Reference:
 Reference Point Notes:
 PROC or SENS:
 Number of Sensors:
 How Processed:
 Sensor Locations:
 Alarm/Trip Set Points:
 NI Detector Power Supply
 Cut-off Power Level:
 NI Detector Power Supply
 Turn-on Power Level:
 Instrument Failure Mode:
 Temperature Compensation
 for DP Transmitters:
 Level Reference Leg:
 Unique System Desc: