



O-601246
92(09-04)LP
EP560/1N.100
Illinois Power Company
Clinton Power Station
P.O. Box 678
Clinton, IL 61727
Tel 217 935-8881

September 4, 1992
10CFR50, Appendix E IV.E.d

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

Subject: Emergency Response Data System (ERDS) Data Point Library

Dear Sir:

Please find enclosed a revised copy of Clinton Power Station's ERDS Data Point Library. The changes which we discussed on the phone have been incorporated and have been marked with revision bars in the right margin.

If you have any additional comments, please call Mr. W. L. Yarosz, of my staff, at (217)935-8881 extension 3741.

Sincerely,

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

WLY/mjb

Attachment

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

9209150057 920904
PDR ADDCK 05000461
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A026

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: 03-Sep-97
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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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 SPNS: 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: NI Inter Range

Point ID: CF1DAV20

Plant Spec Point Desc: TRM - CH H

Generic/Cond Desc: Nuclear Instruments - Intermediate Range

Analog/Digital: A

Engr Units/Dig States: 3

Engr Units Conversion: Linear

Minimum Instr Range: 0

Maximum Instr Range: 125

Zero Point Referenc: n/a

Reference Point Notes: n/a

IROC 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: None provided.

CPS DATA POINT LIBRARY/ REFERENCE FILE

Date: 03-Sep-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: None

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 Des.: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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 - Nar 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: n/a

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: Top of active fuel out of range.
Top of active fuel at -162 inches.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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.
Top of active fuel out of range.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERD:3 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

PROC or SENS: P

Number of Sensors: 2

How Processed: n/a

Sensor Locations:

Alarm/Trip Set Points: $\leq 8.9 / \leq -162$

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: Top of active fuel at -162 inches.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: 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: 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: 03-Sep-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: Feedwater Flcy

Point ID: C34DA002

Plant Spec Point Desc: Feedwater Flow - Loop B

Generic/Cond Desc: Feedwater Flow into the Reactor

Analog/Digital: A

Engr Units/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: 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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/Cond 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-3ep-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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: 03-Sep-92
 Reactor Unit: Clinton Unit 1
 Data Feeder: CX/CZ
 NRC ERDS Parameter: Core Spray Flow
 Point ID: LP-DA301
 Plant Spec Point Desc: LPCS Flow
 Generic/Cond Desc: Low Pressure Core Spray System
 Analog/Digital: A
 Engr Units/Lig 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92
Reactor Unit: Clinton Unit 1
Data Feeder: CX/CZ
NRC ERDS Parameter: LPCI
Point ID: E12DA001
Plant Spec Point Desc: RHR Flow - A
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: 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92
Reactor Unit: Clinton Unit 1
Data Feeder: CX/CZ
NRC ERDS Parameter: LPCI
Point ID: E12DA002
Plant Spec Point Desc: RHR Flow - B
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: 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92
Reactor Unit: Clinton Unit 1
Data Feeder: CX/CZ
NRC EADS Parameter: LPCI
Point ID: RH-DA303
Plant Spec Point Desc: RHR Flow - C
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: 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: n/a
 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: n/a
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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: 1.59E-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

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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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

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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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

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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92
Reactor Unit: Clinton Unit 1
Data Feeder: ARPR
NRC ERDS Parameter: EFF Gas Rad
Point ID: ARPR2224
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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: 2.57E-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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-02

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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92
 Reactor Unit: Clinton Unit 1
 Data Feeder: ARPP
 NRC ERDC 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: Conversion value and min/max ranges based on current
 Internal calculation, (CPM/2bkgnd)*conv=uCi/cc, not
 avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92
Reactor Unit: Clinton Unit 1
Data Feeder: ARPR
NRC ERDS Parameter: 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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CL-3 DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: 2.7E-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 Leq: n/a
 Unique System Desc: Conversion value and min/max ranges based on current
 Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
 avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: per CPS 9911.50
 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92

Reactor Unit: Clinton Unit 1

Data Feeder: ARPR

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: 0

Maximum Instr Range: 450

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: 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92
 Reactor Unit: Clinton Unit 1
 Data Feeder: ARPR
 NRC ERDS Parameter: EFF Lig 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: 6000 Descending
 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: 1.7E-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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92

Reactor Unit: Clinton Unic 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: n/a

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: Conversion value and min/max ranges based on current
Internal calculation, (CPM/2-bkgnd)*conv=uCi/cc, not
avail for transmission. Negative values treated as 0.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92
Reactor Unit: Clinton Unit 1
Data Feeder: CX/CZ
NRC ERDS 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 Leg: n/a
Unique System Desc: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

JRC ERDS Parameter: MN Steam Rad

Point ID: D17DA002

Plant Spec Point Desc: Main Steam Line 3 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: 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: 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

Unit System Desc: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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 SENS: 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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 Locations:
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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: SP Level

Point ID: SM-DD0.10

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: P

Number of Sensors: 4

How Processed: n/a

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: 03-Sep-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 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 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: 03-Sep-92
 Reactor Unit: Clinton Unit 1
 Data Feeder: CX/CZ
 NRC ERDS Parameter: H2 CONC
 Point ID: CM-BA902
 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 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92

Reactor Unit: Clinton Unit 1

Data Feeder: CX/CZ

NRC ERDS Parameter: 02 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: 03-Sep-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

Analcg/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: 03-Sep-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 Unit / Dig States: 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: S

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: 0 Reference point is adjusted to the bottom of the
tank (ie: 0 means empty)
Conversion Factor: 1 Foot = 16,800 gallons

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: MP"

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: None

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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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/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: 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:
Temperature Compensation
for DP Transmitters: n/a
Level Reference Leg: n/a
Unique System Desc: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-92

Reactor Unit: Clinton Unit 1

Data Feeder: Met Tower

NRC ERDS Parameter: Wind DIR

Point ID: ARPR1502

Plant Spec Point Desc: Wind Direction at 60 meters

Generic/Cond Desc: Wind Direction (from)

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: None

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: 03-Sep-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 (from)
 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: None
 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: None provided.

CPS DATA POINT LIBRARY REFERENCE FILE

Date: 03-Sep-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: n/a

Sensor Locations:

Alarm/Trip Set Points: None

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: None provided.