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February 11, 2013

L-13-066 10 CFR 50 Appendix E

ATTN: Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555-001**SUBJECT:**Perry Nuclear Power Plant
Docket No. 50-440, License No. NPF-58
ERDS Data Point Library Change

In accordance with 10 CFR 50 Appendix E, Section VI, an update of the Emergency Response Data System (ERDS) Data Point Library (DPL) for the Perry Nuclear Power Plant (PNPP) is provided.

The DPL revision (Enclosure A) consists of an additional page for a new point, D17EA010 related to the Alternate Decay Heat Removal (ADHR) system effluent radiation monitoring. The new point will be implemented during the week of March 11, 2013.

The list of critical safety function parameters for boiling water reactors (Enclosure B) reflects the addition of ADHR point, D17EA010. Changes for both enclosures are marked with revision bars in the right margin.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Wayne Westbrook, Perry ERDS Program Administrator, at (440) 280-5720.

Sincerely,



Vito A. Kaminskas

Enclosures:

A Perry Data Point Library Reference File, Revision 3, Page 36 of 58

B Critical Safety Function Parameters for Boiling Water Reactors

cc: NRC Project Manager
NRC Resident Inspector
NRC Regional Administrator, Region IIIA026
NRC

Enclosure A
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PERRY DATA POINT LIBRARY REFERENCE FILE

Rev. 3

DATE: 1/10/13

REACTOR UNIT: PY1

DATA FEEDER: ERIS

NRC ERDS PARAMETER: EFF LIQ RAD

POINT ID: D17EA010

PLANT DESCRIPTION: ADHR HX SW OUT – RAD MON

GENERIC DESCRIPTION: RADIOACTIVITY OF RELEASED LIQUIDS

ANALOG / DIGITAL: A

ENGR UNITS / DIG STATE: CPM

ENGR UNIT CONVERSION: EFFICIENCY - 3E+8 CPM PER μ CI/CC

MINIMUM RANGE: 10

MAXIMUM RANGE: 1,000,000

ZERO POINT REF: -

REF POINT NOTES: -

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: -

SENSOR LOCATIONS: DOWNSTREAM OF ADHR HEAT EXCHANGER

ALARM/TRP SETPOINTS: -

NI DETECTOR POWER SUPPLY
CUT OFF LEVEL: -

NI DETECTOR POWER SUPPLY
TURN ON LEVEL: -

INSTRUMENT FAILURE MODE: ON POWER FAILURE - LOW, 10

TEMP COMPENSATION: -

LEVEL REFERENCE LEG: -

UNIQUE SYSTEM DESCRIPTION: -

Enclosure B
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Critical Safety Function Parameters for Boiling Water Reactors
(2 pages)

CRITICAL SAFETY FUNCTION PARAMETERS FOR BOILING WATER REACTORS

ERDS PARAMETER	ERIS DESCRIPTION	POINT ID	TYPE	UNITS
<u>REACTIVITY CONTROL</u>				
NI POWER RNG	REACTOR POWER	C51C0010	PROC	%
NI INTER RNG	N/A			
NI SOURCE RNG	SOURCE RANGE MONITOR A LOG COUNT RATE	C51EA021	SENS	CPS
	SOURCE RANGE MONITOR B LOG COUNT RATE	C51EA022	SENS	CPS
	SOURCE RANGE MONITOR C LOG COUNT RATE	C51EA023	SENS	CPS
	SOURCE RANGE MONITOR D LOG COUNT RATE	C51EA024	SENS	CPS
<u>CORE COOLING</u>				
REAC VES LEV	REACTOR PRESSURE VESSEL LEVEL	B21C0010	PROC	INCHES
MAIN FD FLOW	TOTAL REACTOR FEEDWATER FLOW	C34EA018	SENS	MLBS/HR
RCIC FLOW	REACTOR CORE ISOLATION COOLNG PUMP FLOW	E51EA004	SENS	GPM
<u>RCS INTEGRITY</u>				
RCS PRESSURE	REACTOR PRESSURE VESSEL PRESSURE	B21C0210	PROC	PSIG
HPCI FLOW	HIGH PRESSURE CORE SPRAY FLOW	E22EA001	SENS	GPM
LPCI	RESIDUAL HEAT REMOVAL A FLOW	E12EA005	SENS	KGPM
	RESIDUAL HEAT REMOVAL B FLOW	E12EA006	SENS	KGPM
	RESIDUAL HEAT REMOVAL C FLOW	E12EA007	SENS	KGPM
CR SPRAY FL	LOW PRESSURE CORE SPRAY FLOW	E21EA001	SENS	KGPM
DW FD SUMP LV	DRYWELL UNIDENTIFIED SUMP LEVEL	E31EA005	SENS	INCHES
<u>RADIOACTIVITY CONTROL</u>				
EFF GAS RAD	OFF-GAS VENT ACTIVITY LOW	D17EA033	SENS	CPM
	OFF-GAS VENT ACTIVITY MED	D19EA005	SENS	μCI/CC
	OFF-GAS VENT ACTIVITY HIGH	D19EA006	SENS	μCI/CC
	UNIT 1 VENT ACTIVITY LOW	D17EA030	SENS	CPM
	UNIT 1 VENT ACTIVITY MED	D19EA003	SENS	μCI/CC
	UNIT 1 VENT ACTIVITY HIGH	D19EA004	SENS	μCI/CC
	UNIT 2 VENT ACTIVITY LOW	D17EA530	SENS	CPM
	UNIT 2 VENT ACTIVITY MED	D19EA503	SENS	μCI/CC
	UNIT 2 VENT ACTIVITY HIGH	D19EA504	SENS	μCI/CC
	TURBINE BUILDING/HEATER BAY ACTIVITY LOW	D17EA036	SENS	CPM
	TURBINE BUILDING/HEATER BAY ACTIVITY MED	D19EA007	SENS	μCI/CC
	TURBINE BUILDING/HEATER BAY ACTIVITY HIGH	D19EA008	SENS	μCI/CC
	UNIT 1 VENT FLOW	M33EA001	SENS	KCFM
	UNIT 2 VENT FLOW	M33EA002	SENS	KCFM
	OFF-GAS VENT FLOW	M36EA001	SENS	KCFM
	TURBINE BUILDING/HEATER BAY VENT FLOW	M41EA001	SENS	KCFM
EFF LIQ RAD	NUCLEAR CLOSED COOLING RADIATION MONITOR	D17EA009	SENS	CPM
	EMERGENCY SERVICE WATER RETURN A RAD MON	D17EA015	SENS	CPM
	EMERGENCY SERVICE WATER RETURN B RAD MON	D17EA016	SENS	CPM
	RADWASTE TO ESW RADIATION MONITOR	D17EA008	SENS	CPM
	ADHR SW HXOUT RAD MON	D17EA010	SENS	CPM
	UNDERDRAIN SYS 23 EAST RADIATION MONITOR	D17EA072	SENS	CPM
	UNDERDRAIN SYS 20 WEST RADIATION MONITOR	D17EA073	SENS	CPM
CNT A/E RAD	OFF-GAS PRE-TREATMENT RADIATION MONITOR	D17EA007	SENS	MR/HR

ERDS PARAMETER	ERIS DESCRIPTION	POINT ID	TYPE	UNITS
DW RAD	DRYWELL A RADIATION MONITOR	D19EA001	SENS	R/HR
	DRYWELL B RADIATION MONITOR	D19EA002	SENS	R/HR
MN STEAM RAD	STEAM LINE A RADIATION MONITOR	D17EA011	SENS	MR/HR
	STEAM LINE B RADIATION MONITOR	D17EA012	SENS	MR/HR
	STEAM LINE C RADIATION MONITOR	D17EA013	SENS	MR/HR
	STEAM LINE D RADIATION MONITOR	D17EA014	SENS	MR/HR
<u>CONTAINMENT CONDITIONS</u>				
DW PRESS	DRYWELL PRESSURE	D23C0010	PROC	PSIG
DW TEMP	DRYWELL TEMPERATURE	D23C0310	PROC	DEG F
SP TEMP	SUPPRESSION POOL TEMPERATURE	D23C0210	SENS	DEG F
SP LEVEL	SUPPRESSION POOL LEVEL	G43C0010	PROC	FT
H2 CONC	MAXIMUM H2 CONCENTRATION	M51A0001	PROC	%
O2 CONC	N/A			
<u>MISCELLANEAOUS PARAMETERS</u>				
CST LEVEL	CONDENSATE STORAGE TANK LEVEL	P11EA001	SENS	INCHES
WIND SPEED	10 METER WIND SPEED MAIN	D51MM001	PROC	MPH
WIND DIR	10 METER WIND DIRECTION MAIN	D51MM002	PROC	DEG
STAB CLASS	STABILITY CLASS	D51MM005	PROC	STABI
	CONTAINMENT PRESSURE	D23C0110	PROC	PSIG
	CONTAINMENT TEMPERATURE	D23C0410	PROC	DEG F
	REACTOR BUILDING A RADIATION MONITOR	D19EA020	SENS	R/HR
	REACTOR BUILDING B RADIATION MONITOR	D19EA021	SENS	R/HR