TABLE I INSTRUMENT IDENTIFICATION LETTERS (FOR P & IDs M241 THRU M253 AND M256 AND M269)

INSTRUMENT FUNCTION / MEASURED VARIABLE (FIRST LETTER)		CONTROLLING (SECOND & THIRD LETTER)						MEASURING (SECOND & THIRD LETTER)											
		RECORDING	INDICATING	NON-INDICATING	CONTROL VALVE	SUMMER	FUNCTION GENERATOR	RECORDING	INDICATING	OBSERVATION GLASS	PRIMARY ELEMENT	TEST POINT	TRANSMITTER (OR PRE AMP)	INTEGRATOR	AMPLIFIER	SAMPLER	INDICATING SWITCH	NON INDICATING SWITCH	ALARMS	COMPUTE FUNCTION
		-RC	-IC	-C	-V	-Z	-f	-R	-I	-G	-E	-X*	-T	-Q	Am	Sm	IS	-S	-A	
AIR	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ASm	–	–	–	–
CONDUCTIVITY	C	CRC	CIC	–	CV	–	–	CR	CI	–	CE	CX	–	–	–	CSm	CIS	CS	CA	–
DENSITY	D	DRC	DIC	DC	DV	–	–	DR	DI	–	–	DX	–	–	–	–	DIS	DS	DA	–
DIFF PRESS	dP	dPRC	dPIC	dPC	dPV	–	–	dPR	dPI	–	–	–	dPT	–	–	–	dPIS	dPS	dPA	–
FLOW	F	FRC	FIC	FC	FV	FZ	Ff	FR	FI	FG	FE	FX	FT	FQ	–	–	FIS	FS	FA	FY
MOISTURE	M	MRC	MIC	–	–	–	–	MR	MI	–	ME	–	–	–	–	–	–	–	–	–
NEUTRON FLUX	N	NRC	NIC	NC	–	–	–	NR	NI	–	NE	NX	NT	NQ	NAm	–	–	–	NA	–
HYDROGEN ION CONC	pH	pHRC	pHIC	pHC	pHV	–	–	pHR	pHI	–	pHE	pHX	–	–	pHAm	pHSm	–	–	–	–
LEVEL	L	LRC	LIC	LC	LV	–	–	LR	LI	LG	LE	–	LT	–	–	–	LIS	LS	LA	–
OXYGEN	O2	–	–	–	–	–	–	O_2R	O_2I	–	O_2E	–	–	–	–	–	–	–	–	–
PRESSURE	P	PRC	PIC	PC	PV	–	–	PR	PI	–	–	PX	PT	–	–	–	PIS	PS	PA	–
POSITION	Po	–	–	–	–	–	–	PoR	PoI	–	PoE	–	PoT	–	–	–	–	PoS	PoA	–
POSITION (ALT)	Z	–	–	–	–	–	–	–	ZI	–	ZE	–	ZT	–	–	–	–	–	–	–
RADIATION	R	–	–	–	–	–	–	RR	RI	–	RE	RX	–	–	RAm	RSm	–	RS	RA	–
SAMPLE OR SPEED	S	–	SIC	–	–	–	Sf	–	SI	–	SE [8]	SX [8]	–	–	–	–	–	–	–	–
TEMPERATURE	T	TRC	TIC	TC	TV	–	–	TR	TI	–	TE	TX	TT	–	–	–	TIS	TS	TA	–
TIME	T	–	–	–	–	–	–	TmRR	TmRI	–	–	–	–	–	–	–	–	–	–	–
VIBRATION	Vb	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	VbS	VbA	–
WEIGHT FACTOR	Wt	WtRC	WtIC	–	WV	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HYDROGEN	H2	–	–	–	–	–	–	H_2R	H_2I	–	H_2E	–	–	–	–	–	–	–	–	–

E26

NOTES

1. ALL SOLENOID VALVES ARE SHOWN IN DE-ENERGIZED POSITION. NE DENOTES SOLENOID IS NORMALLY ENERGIZED DURING PLANT OPERATION. ND DENOTES NORMALLY DE-ENERGIZED.
2. CONTROL VALVES ARE FUNCTIONALLY IDENTIFIED PER TABLE I AND II (ie VALVES ACTUATED BY A PRIMARY MEASURED VARIABLE SUCH AS FLOW, TEMP, OR LEVEL ARE FV,TV AND LV RESPECTIVELY). CONTROL VALVES ACTUATED MANUALLY OR BY TRIP SIGNAL THROUGH A SOLENOID VALVE ARE IDENTIFIED AS AO (AIR OPERATED) EXCEPT THOSE VALVES REQUIRING SPECIAL OPERATING CHARACTERISTICS ARE IDENTIFIED AS CV.
3. REFER TO PIPING SPEC 6498-M-300 OR M500 FOR PIPING CLASS SPECS SYSTEM DESIGNATIONS AND VALVE MARK NUMBERS. FOR VALVES WITH AN INSTRUMENT IDENTIFICATION (TAG NO.) THE TAG NO. IS THE VALVE NO. REFER TO NEDWI 385 FOR VALVE NUMBERING STANDARDS OF MANUAL AND CHECK VALVES.
4. REFER TO EQUIPMENT LIST M199 FOR REFERENCE TO MECHANICAL EQUIPMENT NUMBERS,SIZES AND RATINGS.
5. P & ID M228 INCLUDES (1) THE STEAM SEALING SYSTEM, (2) THE O2Z SYSTEM, (3) THE H2 SYSTEM AND (4) THE FLATBED FILTER DISCHARGE CHUTE AIR SEALING AND DECONTAMINATION SYSTEMS.
6. MECHANICAL EQUIPMENT NUMBERS ARE UNDERLINED.
7. ROOT VALVE NUMBERS,ROOT VALVE TYPES AND NORMAL POSITIONS ARE DEPICTED ON INSTRUMENT BRANCH LINE CONNECTION SYMBOLS IF A ROOT VALVE NUMBER(S) HAS BEEN ASSIGNED. REFER TO INSTRUMENT INSTALLATION DETAILS/INSTRUMENT ISOMETRICS,THE INSTRUMENT INDEX AND SPECIFICATION M300 FOR CONFIGURATION DETAILS OF INSTRUMENT BRANCH LINE CONNECTIONS ORIGINATING FROM PROCESS FLUID PIPING AND EQUIPMENT.
8. AN SX IS A SAMPLE TEST POINT WHICH IS EITHER LOCATED LOCALLY OR IS PIPED REMOTELY. AN SE IS A SAMPLE TEST POINT WHICH IS PIPED REMOTELY TO A SAMPLE SINK.
9. FOR ALL AUTOMATICALLY ACTUATED VALVES, THE VALVE NO. SHALL BE THE INSTRUMENT IDENTIFICATION NO. REFER TO NEDWI 385 FOR VALVE NUMBERING STANDARDS OF MANUAL AND CHECK VALVES.
10. REFER TO PMPS PROCEDURE NO. 1.3.4-2 "WORD USAGE" FOR ABBREVIATIONS AND ACRONYMS.
11. THE SYMBOL * LOCATED NEXT TO A COMPONENT MEANS THAT THE COMPONENT IS FURNISHED WITH THE ASSOCIATED EQUIPMENT, WHILE THE SYMBOL #MEANS IT IS FURNISHED BY APED.
12. REFER TO EQUIPMENT LOCATION DRAWING M270 AND EQUIPMENT LOCATION NUMBERING INDEX E212 FOR A DETAILED LISTING OF CONTROL BOARDS AND PANELS.
13. P & ID SHEET NUMBERS AND FSAR FIGURE NUMBERS SHOWN ARE REFLECTIVE OF THE DESIGN CONFIGURATION CONTROL SYSTEM COMPLETION OF P & ID CONVERSION TO ELECTRONIC MEDIA.
14. VALVE BODY DRAINS ARE SHOWN OFF CENTER ON THE VALVE SYMBOL FOR CLARITY. THEIR LOCATION SHOULD NOT BE CONSTRUED AS INDICATING WHETHER THE DRAIN IS UPSTREAM OR DOWNSTREAM OF THE VALVE SEAT.
15. THE SYMBOL "DRW" WAS USED FOR DIRTY RADWASTE WHICH IS PIPED INTO CRW OR CHRW. ANYONE CHANGING A P&ID CONCERNING "DRW" SHALL IDENTIFY WHICH SYSTEM IT IS PIPED TO AND CHANGE THE P&ID ACCORDINGLY, EVENTUALLY DELETING THE USE OF THE SYMBOL "DRW".

TABLE II
INSTRUMENT IDENTIFICATION LETTERS *

	FIRST LETTER	SUCCEEDING LETTERS		
	MEASURED OR INITIATING VARIABLE	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS,AIR	ALARM		ANALYZER
B				
C	CONDUCTIVITY		CONTROL	
D	DENSITY			DIFFERENTIAL
E	EVENT	ELEMENT		
F	FLOW			RATIO, FRACTION
G		GLASS		
H	HAND(MANL INITIATED)			HIGH
I	CURRENT	INDICATE		
J	POWER		SUPPLY	SCAN
K				
L	LEVEL			LOW
M	MOISTURE, MOTOR	MONITOR		
N	NEUTRON FLUX			
O	OXYGEN		OPERATOR	
P	PRESSURE, VACUUM			PERIOD
Q	QUANTITY, NUMBER			TOTALIZE, INTEGRATE
R	RADIATION	RECORD		
S	SAMPLE		SWITCH	
T	TEMPERATURE OR TIME		TRANSMIT	
U		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION		VALVE	
W	WIND			
X	MULTIPLEX	TEST POINT		
Y				COMPUT FUNCTION
Z	POSITION			

* FOR P & ID 'S M203 THRU M239 AND M254, M255, AND M260

TABLE III
MISCELLANEOUS INSTRUMENT IDENTIFICATION LETTERS

LETTERS	DESCRIPTION
MV/I	MILLIVOLT-CURRENT TRANSDUCER
P/I	PRESSURE-CURRENT TRANSDUCER
E/P	ELECTRO-PNEUMATIC TRANSDUCER
E/H	ELECTRO-HYDRAULIC TRANSDUCER
E/S	SPECIAL ELECT POWER SUPPLY
A/D	ANALOG TO DIGITAL CONVERTER
F/I	FREQUENCY-CURRENT CONVERTER
E/I	VOLTAGE-CURRENT TRANSDUCER
SY	SPEED SIGNAL CONDITIONER
TMR	TIMER

LOCKED VALVE CRITERIA:

LOCKING DEVICES SHOULD BE PLACED ON VALVES THAT MEET ANY OF THE FOLLOWING CRITERIA:

A. MANUAL VALVES, NOT IN THE SCOPE OF CRITERIA B, WHICHLE OUT OF DESIGN POSITION,COULD DEFEAT A SAFETY RELATED FUNCTION, PROMOE AN INADVERTENT FLOW PATH, OR PERMIT THE LOSS OF CRITICAL INVENTORY.

EXAMPLES:
CSCS MANUAL SUCTION VALVES
CSCS INJECTION BLOCK VALVES
SLC SUCTION/DISCHARGE/DRAIN VALVES
MAIN STEAMLINE DRAIN MANIFOLD

B. MANUAL SMALL BORE TEST, VENT OR DRAIN VALVES ON SYSTEMS WHICH ARE CONNECTED TO THE PRIMARY SYSTEM BOUNDARY, AND ARE EASILY ACCESSIBLE AND ARE IN A CONFIGURATION SUCH THAT THE INNERMOST IN-LINE CONTAINMENT ISOLATION VALVE IS NORMALLY OPEN.

EXAMPLES:
MSIV TEST CONNECTIONS
FEEDWATER CHECK VALVE TEST CONNECTIONS

C. MANUAL VALVES LOCKED SPECIFICALLY BY UCENSE COMMITMENT.

EXAMPLE:
DRYWELL INSTRUMENT AIR SUPPLY (WHEN CONTAINMENT INERTING REQUIRED)

D. SAFETY RELAIED MOTOR, SOLENOID OR AIR OPERAIED VALVES THAT USE A KEY-LOCKED CONTROL SWITCH. SUCH VALVES MAY BE OUT OF DESIGNED LOCKED POSITION UNDER CONTROL OF AN APPROVED PROCEDURE.

EXAMPLES:
MO-1001-7A, B, C, D
POST ACCIDENT SAMPLING SYSTEM (PASS) VALVES ON PANEL C170, C171

E. MANUAL VALVES WHICH ARE IN AN OVERPRESSURE PROTECTION RELIEF FLOW PATH.

EXAMPLES:
DEMIN WATER INLET TO CONDENSATE STORAGE TANKS A & B

NO.	DATE	REVISIONS	BY	ENG	CHK	APP
E25	9/01	REVISED PER DCN 00-07701	NJW	–	AJB	DLJ
E24	9/99	REVISED FOR PR 98.9537 PER DCN 06888	TEB	–	AJB	DLJ
E23	11/98	B: REVISED PER DCN 96-99129	CTS	MJD	AJB	LCC
		A: REVISED PER DCN 97-00006		–	AJB	DLJ
E22	9/98	REVISED PER PR 93.9407	JLP	JRT	AJB	WR
E21	12/97	REVISED PER PDC 85-57		LLC	AJB	JPG
E20	10/96 /95	B: REVISED PER DCN 92-85648P		RMD	BJK	SD
		A: REVISED PER DCN 92-77425P		BJK	N/A	JPG
E19	9/96	REVISED PER DCN 84250P		N/A	N/A	N/A
E18	9/96	REVISED PER DCN 92-83387P		RJG	LCC	DWM
E26	5/01	REVISED FOR PDC 02-02 PER DCN 14823	CTS	–	TEB	RJG

TITLE OF REFERENCE DRAWINGS — DWG NUMBER — NO. — DATE

SCALE: NONE | DESIGNED BY/CHK'L/DE | DRAWN BY/CO | E

Entergy — Entergy Nuclear Generation Company, PILGRIM STATION, PLYMOUTH, MA

TITLE: P & ID LEGEND

Q: Non Q | DRAWING NO.: M200 SH 2 E26 | REV

41100-5479

FSAR FIGURE 1.3-2 SH 2 (REV 16)

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
0	11-9-05	.	.	.	.	.

REVISIONS

LRA-M-200-SH-02-0

CAD FILE: LRA-M-200-SH-02_E26.DGN

WATER FILE: M200SH2-CALS_E26.CAL

D-02