



Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

December 14, 1990

Mr. A. Bert Davis
Regional Administrator
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Zion Station Units 1 and 2
Reg. Guide 1.97 EQ
NRC Inspection
Additional Information Request
NRC Docket Nos. 50-295 and 50-304

Reference: (a) December 7, 1990 teleconference
between G. Hausman and S. Stimac

Dear Mr. Davis:

In reference (a), a list of additional information was requested from Commonwealth Edison to support completion of the subject inspection by NRC. By copy of this letter, the following information has been forwarded to G. Hausman and M. Kopp of your staff:

Enclosure "A"

Schedule Information for:

- Update of Reg. Guide 1.97 submittal to clarify/correct data table;
- Completion of Safety Related Component List upgrades;
- Evaluation of RCS pressure recorders.

Enclosure "B"

- Instrument data sheets providing calibrated span data for steam generator narrow range level, steam generator wide range level, pressurizer level, and steam line pressure transmitters.

As of this date, our Nuclear Engineering staff is finalizing their evaluation of the Rosemount transmitter submergence issue identified during the inspection. We expect to have this evaluation completed and available for NRC review during the week of December 17, 1990

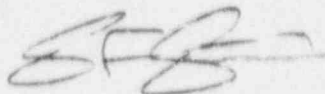
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Please direct any questions regarding this matter to this office.

Very Truly Yours,



S.F. Stimac
Nuclear Licensing Administrator

Enclosure

cc: NRC Document Control Desk
C. Patel - NRR
NRC Resident Inspector - Zion
G. Hausman - Region III
M. Kopp - Region III

znld:677:rg

ENCLOSURE "A"

The following schedule has been developed to address concerns identified during the Reg. Guide 1.97/EQ inspection performed at Zion Station during November, 1990:

<u>Action Item</u>	<u>Completion Date</u>
Provide an update to the Parameter Summary Table included in the CECO Reg. Guide 1.97 submittal to clarify and/or correct data as required.	April 15, 1991
Complete the currently ongoing upgrade to the Zion Safety Related Component List.	December 31, 1991
Re-evaluate the current RCS pressure recorder design, focusing on power supply and redundancy requirements. Based upon this evaluation, either provide technical justification for current design, or initiate design change(s) and provide modification schedule.	April 15, 1991

znld:677:rg

ENCLOSURE "B"

The following instrument data sheets are attached:

<u>Instrument Channel</u>	<u>Data Sheet(s)</u>
Steam Generator Narrow Range Level	1LT13, 1LT14, 1LT15, 1LT16
Steam Generator Wide Range Level	1LT09
Pressurizer Level	1LT08
Steam Line Pressure	1PT25, 1PT30, 1PT31, 1PT33

znld:677:rg

INSTRUMENT NO.		(2)ILT-501	(2)ILT-502	(2)ILT-503	(2)ILT-504	REMARKS
SERVICE		STM. GEN.	STM. GEN.	STM. GEN.	STM. GEN.	INSTRUMENTS SHALL MEET THE REQUIREMENTS OF IEEE 323-1974 & 304-1975 FOR QUALIFYING CLASS 1E EQUIPMENT. 2. THIS DATA SHEET SUPERSEDES WESTINGHOUSE SPEC. SHEET NO. S.02 FOR THESE INSTR.
		LEVEL LOOP 1	LEVEL LOOP 2	LEVEL LOOP 3	LEVEL LOOP 4	
FLUID		CONDENS'D STM	CONDENS'D STM	CONDENS'D STM	CONDENS'D STD	
PRESS. MAX./TEMP. NORM.		1200 PSIG	1200 PSIG	1200 PSIG	1200 PSIG	
MAX. LEVEL						
SP. GRAV. @ OPER. TEMP.						
MEAS. TYPE (Δ PRESS.-PRESS.)						
ELEM. TYPE/MATL.		DIAPH 316 SS				
ELEM. MAX. LEVEL RANGE		0-750" WC				
CALIB. LEVEL RANGE		0-575" WC				
BODY (WETTED) MATL./RATING		316 SS				
OUTPUT SIGNAL RANGE		4-20 MA DC				
MOUNTING TYPE		PIPE YOKE				
POWER-AIR WIRING		40 V DC				
ACCESSORIES						
MANUFACTURER		B - ROSEMOUNT				(2) INDICATES UNIT 2 REQUIREMENTS "NUCLEAR SAFETY RELATED"
MODEL NO.		1153HD5PA				
NUCLEAR PLANT DATA	SAF. CL./SEIS. CAT.	I	I	I	I	
	QA	B	B	B	B	
	ELECT. CLASS	1E	1E	1E	1E	
FURN. SPEC./INSTALL. SPEC.		CECO	CECO	CECO	CECO	
RELEASE RECORD						LEVEL TRANSMITTERS (Δ PRESS.-PRESS.)
REV.	DATE REL'D.	PREPARED	REVIEWED	APPROVED	DATE REC'D.	PROJ. NO. 6165-30
A	4-4-82	N.R. Ramon				MOD. NO. M22-1(2)-81-49
B	9-28-83	N.R. Ramon	C. Y. Loh	R. T. Keltie		ZION STATION
						UNITS 1 & 2
						COMMONWEALTH EDISON COMPANY
						<div style="border: 1px solid black; padding: 2px; display: inline-block;">SARGENT & LUNDY</div> DATA SHEET NO. 1LT.09

FOR INFORMATION ONLY

B

(2) INDICATES UNIT 2 REQUIREMENTS

"NUCLEAR SAFETY RELATED"

[Signature]
Dept Mgr

INSTRUMENT NO.		2)ILT-517	2)ILT-518	2)ILT-519	REMARKS
SERVICE	STEAM GEN.	→	→		1) QUALIFICATION REQUIRED PER IEEE 322-1974 & IEEE 344-1975 FOR QUALIFYING CLASS I E EQUIP.
	LOOP A LEVEL	→	→		
FLUID	CONDENSATE	→	→		
PRESS. MAX./TEMP. NORM.	1200PSIG	→	→		2) THIS DATA SHEET SUPERCEDES (W) SPEC. SH. NO. S.02 FOR THESE INSTR.
LEVEL MAX./NORM.	150" H ₂ O	→	→		
SP. GRAV. @ OPER. TEMP.		→	→		ENVIRONMENTAL CONDIT. RN. 100% PRESS 47PSIG TEMP. 271°F - 278°F RAD. 2x10 ⁸ RADJ T.D. SEE SEISMIC RESPONSE SPECTRA EL. 562' REACTOR BUILDING.
MEAS. TYPE (Δ PRESS.-PRESS.)	Δ PRESS	→	→		
ELEM. TYPE/MATL.	DIAPH 316 SS	→	→		*STATIC HEAD CORRECTION HAS BEEN APPLIED TO THESE TRANSMITTERS.
ELEM. MAX. LEVEL RANGE	0-150" H ₂ O	→	→		
CALIB. LEVEL RANGE *	139.5-30.9" WC	→	→		(2) INDICATES UNIT 2 REQUIREMENTS
BODY (WETTED) MATL./RATING	316 SS 3000PSI	→	→		
OUTPUT SIGNAL RANGE ± TOL.	4-20MA ±.5%	→	→		MOD 22-1(2)-85-21
MOUNTING TYPE	UNIVERSAL	→	→		
POWER-AIR	45 VDC	→	→		
ACCESSORIES					
SET POINT CALC. REF.	INST. CALC. BOOK	→	→		
LOOP ACCURACY CALC. REF.	CI-88-FW-01	→	→		
MANUFACTURER	ROSE MOUNT	→	→		
MODEL NO.	1154HP4RA	→	→		
NUCLEAR SAFETY DATA	SAF. CL./SEIS. CAT.	X I	→	→	
	QA	-	→	→	
	ELECT. CLASS	1E	→	→	
FURN. SPEC./INSTALL. SPEC.	CECO CECO	→	→		

RELEASE RECORD

REV.	DATE REL'D.	PREPARED	REVIEWED	APPROVED	DATE HELD	PREPARED	REVIEWED	APPROVED
A	3-21-88	R. K. Keltie	J. Shilling	G. L. Loran				
B	2-1-89	R. K. Keltie	J. J. Ford	R. K. Keltie	FOR RECORD			
C	3-3-89	R. K. Keltie	J. Melton	R. K. Keltie	FOR RECORD			

LEVEL TRANSMITTERS (Δ PRESS.-PRESS.)

NUCLEAR SAFETY RELATED **SARGENT & LUNDY**

ZION STATION
UNITS 1 & 2
COMMONWEALTH
EDISON COMPANY

DATA SHEET NO.
1LT13

[Signature]
Dept. Mgr.

INSTRUMENT NO.		(2) 1LT-527	2) 1LT-528	(2) 1LT-529	REMARKS
SERVICE	STEAM GEN	→	→		1) QUALIFICATION REQUIRED PER IEEE 323-1974 & IEEE 744-1975 FOR QUALIFYING CLASS 1E EQUIP.
	LOOP C LEVEL	→	→		
FLUID	CONDENSATE				2) THIS DATA SHEET SUPERCEDES (W) SPEC. SHT. NO. 5.02. FOR THESE INSTR.
PRESS. MAX./TEMP. NORM.	1200PSIG				
LEVEL MAX./NORM.	150" H ₂ O				ENVIRONMENTAL CONDIT. RH. 100%: PRESS 47PSIG TEMP 271°F - 2.78 WYS. RAD 2X10 ⁸ RAD/S, T.I.-B.
SP. GRAV. @ OPER. TEMP.					
MEAS. TYPE (Δ PRESS.-PRESS.)	Δ P	→	→		SEE SEISMIC RESPONSE SPECTRA EL. 568' REACTOR BUILDING
ELEM. TYPE/MATL.	DIAPH 316SS	→	→		
ELEM. MAX. LEVEL RANGE	0-150" H ₂ O	→	→		* STATIC HEAD CORRECTION HAS BEEN APPLIED TO THESE TRANSMITTERS
CALIB. LEVEL RANGE #	139.5-30.9" WC	→	→		
BODY(WETTED)MATL./RATING	316SS 3000PSIG	→	→		2) INDICATES UNIT 2 REQUIREMENTS
OUTPUT SIGNAL RANGE ± TOL.	4-20MA ±.5%	→	→		
MOUNTING TYPE	UNIVERSAL	→	→		MOD 22-1(2)-85-24
POWER AIR SUPPLY	45VDC	→	→		
ACCESSORIES					
SET POINT CALC. REF.	INST. CALC. BOOK	→	→		
LOOP ACCURACY CALC. REF.	CI-88-FW-01	→	→		
MANUFACTURER	ROSEMOUNT	→	→		
MODEL NO.	1154HP4RA	→	→		
NUCLEAR PLANT DATA	SAF. CL./SEIS. CAT.	X I	→	→	
	QA	-	-	-	
	ELECT. CLASS	1E	→	→	
FURN. SPEC./INSTALL. SPEC.	CECO CECO	→	→	→	

FOR INFORMATION ONLY

RELEASE RECORD

REV.	DATE REL'D.	PREPARED	REVIEWED	APPROVED	REV.	DATE REL'D.	PREPARED	REVIEWED	APPROVED
A	7-24-82	RJ Ralston	J Slotting	J O'Hara					
B	2-1-89	J Klingberg	J J Frank	RJ Ralston					FOR RECORD
C	3-3-89	J Klingberg	J L Miller	RJ Ralston					FOR RECORD

LEVEL TRANSMITTERS (Δ PRESS.-PRESS.)

NUCLEAR SAFETY RELATED

SARGENT & LUNDY

ZION STATION
UNITS 1 & 2
COMMONWEALTH
EDISON COMPANY

DATA SHEET NO.
1LT14

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INSTRUMENT NO.		(2) 1LT-537	(2) 1LT-538	(2) 1LT-539	REMARKS
SERVICE	STEAM GEN	→	→	→	1) QUALIFICATION REQUIRED PER IEEE 323-1974 & IEEE 344-1975 FOR QUALIFYING CLASS 1E EQUIP. 2) THIS DATA SHEET SUPERCEDES (W) SPEC INT. NO. 502 FOR THESE INSTR. ENVIRONMENTAL CONDIT. RH. 100%; PRESS. 47PSIG TEMP. 271°F - 2.78MPS RAD. 2x10 ⁸ RADS T.D SEE SEISMIC RESPONSE SPECTRA EL. 568 REACTOR BUILDING * STATIC HEAD CORRECTION HAS BEEN APPLIED TO THESE TRANSMITTERS (2) INDICATES UNIT 2 REQUIREMENTS
	LOOP D LEVEL	→	→	→	
FLUID	CONDENSATE	→	→	→	
PRESS. MAX./TEMP. NORM.	1200PSIG	→	→	→	
LEVEL MAX./NORM.	150" H ₂ O	→	→	→	
SP. GRAV. @ OPER. TEMP.		→	→	→	
MEAS. TYPE (Δ PRESS.-PRESS.)	Δ P	→	→	→	
ELEM. TYPE/MATL.	DIAPH 316SS	→	→	→	
ELEM. MAX. LEVEL RANGE	0-150" H ₂ O	→	→	→	
CALIB. LEVEL RANGE *	139.5-30.9" WC	→	→	→	
BODY(WETTED)MATL./RATING	316SS 3000PSI	→	→	→	
OUTPUT SIGNAL RANGE ± TOL.	4-20MA ±.5%	→	→	→	
MOUNTING TYPE	UNIVERSAL	→	→	→	
POWER-AIR SUPPLY	45VDC	→	→	→	
ACCESSORIES					
SET POINT CALC. REF.	INST. CALC. BOOK	→	→	→	
LOOP ACCURACY CALC. REF.	CI-88-FW-01	→	→	→	
MANUFACTURER	ROSEMOUNT	→	→	→	
MODEL NO.	1154HP4 RA	→	→	→	
ELECT. DATA	SAF. CL./SEIS. CAT.	X I	→	→	
	QA	-	-	-	
	ELECT. CLASS	1E	→	→	
FURN. SPEC./INSTALL. SPEC.	CECO CECO	→	→	→	

FOR INFORMATION ONLY

RELEASE RECORD

LEVEL TRANSMITTERS (ΔPRESS.-PRESS.)

REV.	DATE REL'D.	PREPARED	REVIEWED	APPROVED	REV.	DATE REL'D.	PREPARED	REVIEWED	APPROVED
A	3-21-86	R.F. K... J. Stoltz	J. Stoltz	J. Stoltz					
B	2-1-89	J. K... T. J...	T. J...	R.F. K...					
C	3-3-89	J. K... J. M...	J. M...	R.F. K...					

SARGENT & LUNDY

ZION STATION
UNITS 1 & 2
COMMONWEALTH
EDISON COMPANY

DATA SHEET NO.
1LT.15

[Signature]

INSTRUMENT NO.		(2)ILT-547	(2)ILT-548	(2)ILT-549	REMARKS
SERVICE	STEAM GEN	→	→	→	1) QUALIFICATION REQUIRED PER IEEE 723-1974 & IEEE 744-1975 FOR QUALIFYING CLASS 1E EQUIP.
	LOOP B LEVEL	→	→	→	
FLUID	CONDENSATE	→	→	→	2) THIS DATA SHEET SUPERCEDES (W) SPEC. INT. NO. 5.02 FOR THESE INSTR.
	PRESS. MAX./TEMP. NORM.	1200 PSIG	→	→	
LEVEL MAX./NORM.	150" H ₂ O	→	→	→	ENVIRONMENTAL CONDIT. RH. 100% ; PRESS. 97 PSIC TEMP. 271°F - 2.78 KFS RAD. 2x10 ⁸ RADS TJD. SEE SEISMIC RESPONSE SPECTRA EL 568' REACTOR BUILDING
	SP. GRAV. @ OPER. TEMP.		→	→	
MEAS. TYPE (Δ PRESS.-PRESS.)	Δ PRESS	→	→	→	* STATIC HEAD CORRECTION HAS BEEN APPLIED TO THESE TRANSMITTERS.
ELEM. TYPE/MATL.	DIAPH 316 SS	→	→	→	
ELEM. MAX. LEVEL RANGE	0-150" H ₂ O	→	→	→	(2) INDICATES UNITZ REQUIREMENTS
CALIB. LEVEL RANGE *	139.5-30.9" WC	→	→	→	
BODY(WETTED)MATL./RATING	316 SS 3000 PSIG	→	→	→	MOD 22-1(2)-85-21
OUTPUT SIGNAL RANGE ± TOL.	4-20 MA ± .5%	→	→	→	
MOUNTING TYPE	UNIVERSAL	→	→	→	
POWER-AIR SUPPLY	4.5 VDC	→	→	→	
ACCESSORIES					
SET POINT CALC. REF.	INST. CALC. BOOK	→	→	→	
LOOP ACCURACY CALC. REF.	CI-88-FW-01	→	→	→	
MANUFACTURER	ROSEMOUNT	→	→	→	
MODEL NO.	1154HPYKA	→	→	→	
NUCLEAR PLANT DATA	SAF. CL./SEIS. CAT.	X I	→	→	
	QA	-	→	→	
ELECT. CLASS	1E	→	→	→	
FURN. SPEC/INSTALL. SPEC.	CECO	CECO	→	→	

FOR INFORMATION ONLY

RELEASE RECORD

LEVEL TRANSMITTERS (Δ PRESS.-PRESS.)

REV.	DATE REL'D.	PREPARED	REVIEWED	APPROVED
A	3-2-88	R. K. Keltner	J. Stetting	J. O'Hara
B	2-1-89	J. Klingberg	J. J. Ford	R. K. Keltner
C	3-3-89	J. Klingberg	J. M. McIlhenny	R. K. Keltner

NUCLEAR SAFETY RELATED

SARGENT & LUNDY

ZION STATION
UNITS 1 & 2
COMMONWEALTH
EDISON COMPANY

DATA SHEET NO.
ILT 16

INSTRUMENT NO.		(2)ILT-459	(2)ILT-460	(2)ILT-461	REMARKS	
SERVICE		PRZR. LEVEL	PRZR. LEVEL	PRZR. LEVEL	1. INSTRUMENTS SHALL MEET THE REQUIREMENTS OF IEEE 323-1974 & 300-1977 FOR QUALIFYING CLASS IE EQUIPMENTS.	
FLUID		DILUTE BA	DILUTE BA	DILUTE BA		
PRESS. MAX./TEMP. NORM.		2485 PSIG 140°F	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> FOR INFORMATION ONLY </div>		2. THIS DATA SHEET SUPERSEDES W SPEC. SHT. NO. 4.55 FOR THESE INSTRUMENTS	
MAX. LEVEL						
SP. GRAV. @ OPER. TEMP.						
MEAS. TYPE (Δ PRESS.-PRESS.)					3) U-1: 477-216" W.C. U-2: 476-215.6" 4) U-1: 477-216" U-2: 475.8-215.5" 5) U-1: 477-216" U-2: 476.6-215.7" * STATIC HEAD CORRECTION HAS BEEN APPLIED TO THESE TRANSMITTERS.	
ELEM. TYPE/MATL.		DIAPH 316SS				
ELEM. MAX. LEVEL RANGE		0-750" WC				
CALIB. LEVEL RANGE *		RMKS # 3	RMKS # 4	RMKS # 5		
BODY(WETTED)MATL./RATING		316SS	316SS	316SS		
OUTPUT SIGNAL RANGE ± TOL.		4-20MA ± .5%				
MOUNTING TYPE		PIPE YOKE				
POWER AIR SUPPLY		40V DC				
ACCESSORIES						
SET POINT CALC. REF.		INST. CALC. BOOK				
LOOP ACCURACY CALC. REF.		CI-88-RC-01				
MANUFACTURER		ROSEMOUNT				
MODEL NO.		1153HD5PA				
NUCLEAR PLANT DATA	SAF. CL./SEIS. CAT.		X I	X I	X I	2) INDICATES UNIT & REQUIREMENTS. "NUCLEAR SAFETY RELATED"
	QA		B "C"	I B	B	
	ELECT. CLASS		IE	IE	IE	
FURN. SPEC./INSTALL. SPEC.		CECO	CECO	CECO	CECO	

RELEASE RECORD

REV.	DATE REL'D.	PREPARED	REVIEWED	APPROVED	REV.	DATE
A	11-4-82	H. R. Rowan				ISSUED FOR RECORD
B	9-28-83	H. R. Rowan	M. L. Mah	R. F. [unclear]		RE ISSUED FOR RECORD
C	2-1-89	T. J. [unclear]	[unclear]	R. F. [unclear]		FOR RECORD

LEVEL TRANSMITTERS (Δ PRESS.-PRESS.)

Prod. No. 6165-30
 N: 22-1(2)-81-51
 ZION STATION
 UNITS 1 & 2
 COMMONWEALTH
 EDISON COMPANY

SARGENT & LUNDY

CORPORATION

DATA FILE NO.

ILT08

INSTRUMENT NO.	(2)IPT-514	(2)IPT-524	(2)IPT-525	(2)IPT-534	REMARKS
SERVICE	STEAM GEN LOOP A	STEAM GEN. LOOP C		STEAM GEN. LOOP D	
FLUID	CONDENSED STM	STEAM PRESS		STEAM PRESS.	
PRESS. MAX./TEMP. MAX.	3500 PSI				
PRESS. NORM.					
MEAS. ELEM. TYPE/MATL.	Bourdon 316 SS				
ELEM. MAX. PRESS. RANGE	0-3500 PSIG				
BODY MATL./RATING	4500 PSI				
CAL. PRESS. RANGE	0-1200 PSIG				
OUTPUT SIGNAL RANGE ± TOL.	4 TO 20 MA ± .5%				
OUTPUT SIGNAL: DIR.-REV.	DIR.				
SET POINT CALC. REF.	INST. CALC BOOK				
LOOP ACCURACY CALC. REF.	CI-88-FW-03				
POWER SUPPLY-AIR SUPPLY	45VDC				
MOUNTING TYPE	PIPE				
ACCESSORIES					
MANUFACTURER	FISCHER POTFE.				
MODEL NO.	50EPI041-BCXA				
NUCLEAR PLANT DATA	SAF. CL./SEIS. CAT.	X	X	X	
	QA				
	ELECT. CLASS				
FURN. SPEC./INSTALL. SPEC.	2200 22.12				

FOR INFORMATION ONLY

RELEASE RECORD					
REV	DATE REL'D	PREPARED	REVIEWED	APPROVED	PURPOSE
A	2-1-89	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	FOR RECORD

PRESSURE TRANSMITTERS

SARGENT LUNDY
AN IRVING-CLOUD COMPANY

DATA SHEET NO.
IPT30

ZION NUCLEAR STATION - UNIT 1 & 2
COMMONWEALTH EDISON COMPANY

INSTRUMENT NO.		(2) IPT-515	(2) IPT-526	(2) VPT-535	(2) IPT-546	REMARKS
SERVICE		STEAM GEN.	STEAM GEN.	STEAM GEN.	STEAM GEN.	INSTRUMENTS SHALL MEET THE REQUIREMENTS OF IEEE 323-1974 & 344-1975 FOR QUALIFYING CLASS 1E EQUIPMENT
		PRESSURE	PRESSURE	PRESSURE	PRESSURE	
		LOOP 1	LOOP 2	LOOP 3	LOOP 4	
FLUID		CONDENS'D STM.	CONDENS'D STM.	CONDENS'D STM.	CONDENS'D STM.	
PRESS. MAX. / TEMP. MAX.		1200PSI	1200PSI	1200PSI	1200PSI	2. THIS DATA SHEET SUPERSEDES W SPEC. SMT. NO. 5.01 FOR THESE INSTRUMENTS
PRESS. NORM.						
MEAS. ELEM. TYPE / MAT'L.		DIAPH 316SS	DIAPH 316SS	DIAPH 316SS	DIAPH 316SS	
BODY MAT'L. / RATING		316SS 4500PSI				
ELEM. MAX. PRESS. RANGE		0 - 3000PSI	0 - 3000PSI	0 - 3000PSI	0 - 3000PSI	
CAL. PRESS RANGE		0-1200 PSIG				
OUTPUT SIGNAL RANGE ± TOL.		4 TO 20 MA ±.5%				
MOUNTING TYPE		PIPE YOKE	PIPE YOKE	PIPE YOKE	PIPE YOKE	
POWER SUPPLY - AIR SUPPLY		40 V DC	40 V DC	40 V DC	40 V DC	
ACCESSORIES						
SET POINT CALC. REF.		INST. CALC. BOOK				
LOOP ACCURACY CALC. REF.		CI-88-FW-04				
OUTPUT SIGNAL: DIR. - REV.		DIR.				
MANUFACTURER		ROSEMOUNT	ROSEMOUNT	ROSEMOUNT	ROSEMOUNT	
MODEL NO.		1153GB9PA	1153GB9PA	1153GB9PA	1153GB9PA	(2) INDICATES UNIT 2 REQUIREMENTS
NUCLEAR PLANT DATA	SAF. CL. / SEIS. CAT.	X I	X I	X I	X IE	"NUCLEAR SAFETY RELATED"
	QA	B	B	B	B	
	ELECT. CLASS	1E	1E	1E	1E	
FURN. SPEC. / INSTALL. SPEC.		CECO / CECO	CECO / CECO	CECO / CECO	CECO / CECO	

RELEASE RECORD						PRESSURE TRANSMITTERS	
REV.	DATE REL'D.	PREPARED	REVIEWED	APPROVED	REV.	DATE REL'D.	
E	2-1-89	J. R. [unclear]	J. Ford	R. [unclear]	ISSUED		PROD. NO. 6165-30 M 22-1(2)-81-52
B	11-15-82	M. R. [unclear]			ISSUED		ZION STATION UNITS 1 & 2
C	9-22-83	M. R. [unclear]	M. [unclear]	R. [unclear]	ISSUED		COMMONWEALTH EDISON COMPANY
D	8-6-84	M. R. [unclear]	M. [unclear]	R. [unclear]	ISSUED		



DATA SHEET NO.

1PT25

INSTRUMENT NO.		(2) IPT-505	(2) IPT-506	(2) IPT-516	(2) IPT-536	REMARKS
14	SERVICE	TURB IMPULSE PRESS TRANSMITTER		SG LPA STEAM	SG LP D STEAM	STATIC HEAD CORRECTION HAS BEEN APPLIED TO THESE TRANSMITTERS
12	FLUID	COND STEAM				
17	PRESS. MAX./TEMP. MAX.	3500PSI				
	PRESS. NORM.					
17	MEAS. ELEM. TYPE/MATL.	3" BOURDON 316SS				
17	ELEM. MAX. PRESS. RANGE	0-3500 PSIG				
17	BODY MATL./RATING	4500PSI				
2	CAL. PRESS. RANGE	0-550 PSIA		0-1200PSIG		
17, 14	OUTPUT SIGNAL RANGE ± TOL.	4-20MA ± .5%				
17	OUTPUT SIGNAL: DIR.-REV.	DIR.				
3	SET POINT CALC. REF.	INST CALC BOOK				
3	LOOP ACCURACY CALC REF	CI-88-FW-06		CI-88-FW-03		
17	POWER SUPPLY -AIR SUPPLY	45VDC				
17	MOUNTING	PIPE				
	ACCESSORIES					
2	MANUFACTURER	FISCHER PORTER				
12	MODEL NO.	50EPI041-BCXA				
2, 14	NUCLEAR PLANT DATA	SAF. CL./SEIS. CAT.	X	X	X	
		QA				
		ELECT. CLASS				
14	FURN. SPEC./INSTALL. SPEC.	2200 2242				

FOR INFORMATION ONLY

RELEASE RECORD

PRESSURE TRANSMITTERS

REV	DATE REL'D	PREPARED	REVIEWED	APPROVED	PURPOSE
A	2-1-89	<i>W. Ford</i>	<i>B.S. Klingberg</i>	<i>R.J. Kubota</i>	FOR RECORD

SAFETY RELATED
 ZION NUCLEAR STATION UNIT 1&2
 COMMONWEALTH EDISON COMPANY

SARGENT LUNDY

DATA SHEET NO.
IPT33