

PART 21 IDENTIFICATION NO. 80-294-001 COMPANY NAME Valcor Engineering Corp.

DATE OF LETTER 10/17/80 DOCKET NO. -

DATE DISTRIBUTED 10/20/80 a.m. ORIGINAL REPORT ☐ SUPPLEMENTARY ☒

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IE FILES

AD/ROI

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REGIONS I,II,III,IV,V

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CENTRAL FILES 016

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PDR

LPDR

~~TERA~~

ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

IE ☒

NRR ☐

NMSS ☐

OTHER ☐

RCI
ROI
SG
FFMSI

8010240555

REV. 8/1/80
9/17/80

FUEL CYCLE & ☐

MATERIALS (MD)

IE FILES

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VENDOR BR. R-IV

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CENTRAL FILES 016

CENTRAL FILES (CHRON)

PDR

LPDR

TERA

SAFEGUARDS (S) ☐

IE FILES

AD/SG

AD/ROI

REGIONS I,II,III,IV,V

VENDOR BR. R-IV

NRR/DOL

NMSS / SG SS-881

LOEB / MPA MNB 5715

AEOD MNB 7602

ASLBP E/W 450

CENTRAL FILES 016

CENTRAL FILES (CHRON)

CENTRAL FILES SS-396

PDR

LPDR

TERA

EW-359

NRC BHDA

401 SPRINGFIELD, N.J. 10/17/80
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C.
ATTN: DIRECTOR, OFFICE OF INSPECTION & ENFORCEMENT
MR. VICTOR STELLA
SUBJECT: 10CRF21 REPORTING
REF: VALCOR TXR REPORT DATED 9/26/80

10/17/80 PM 3 42
10/17/80 PM 3 42
10/17/80 PM 3 42

U.S. NUCLEAR REGULATORY COMMISSION

THE VALCOR INVESTIGATION OF THE V70900-21-3 VALVE COIL PROBLEM INDICATES A LATENT DEFECT EXISTS WITH THE MAGNET WIRE, WHEN THE VALVE IS CONTINUOUSLY OPERATED AT ELEVATED TEMPERATURES. THE INDICATIONS ARE THAT THE WIRE INSULATION, POLYIMIDE, IS NOT COMPATIBLE WITH IT'S POLYVINYL VARNISH COATING WHEN SUBJECTED TO THE ABOVE CONDITIONS. VALCOR HAS VERIFIED THAT THIS CONDITION IS ONLY APPLICABLE TO VALVE PART NUMBERS V70900-21-1 AND V70900-21-3. ALL CUSTOMERS, WHO MAY BE AFFECTED, HAVE BEEN NOTIFIED.

NAME	P.O.	VALVE P/N	QTY
ANCHOR/DARLING	P-827	V70900-21-1,-3	24
ANCHOR/DARLING	N653	V70900-21-1	6
CEASARE BONETTI (ITALY)	1535/79	V70900-21-3	10
DUKE POWER	E95188-11	V70900-21-3	100
DUKE (MILL POWER)	C-97733	V70900-21-1,-3	335
DUKE POWER	E97822-11	V70900-21-3	70
RALPH HILLER	HA-187-0	V70900-21-3	14
MILL POWER	E52462-73	V70900-21-3,-1	20
YAMAHA PUBLIC POWER	43472	V70900-21-3	19
STONE & WEBSTER	L000 #43	V70900-21-3	8
COPIES VULCAN	911,553	V70900-21-1	4

VALCOR HAS TAKEN THE FOLLOWING CORRECTIVE ACTION. REPLACEMENT OF THE COILS WILL BE ARRANGED IF NECESSARY. A NEW COIL DESIGN WITH XL-POLYIMIDE WIRE INSULATION AND 997 SILICONE VARNISH COATING IS BEING RELEASED BY ENGINEERING. SAMPLE COILS WILL UNDERGO QUALIFICATION TESTS, THE FIRST PHASE IS ESTIMATED FOR COMPLETION BY NOV. 15, 1980 AND THE SECOND PHASE IS AN ON-GOING AGING TEST. VALCOR QUALITY ASSURANCE AND ENGINEERING HAS VISITED THE COIL VENDOR'S PLANT TO ASSURE THAT THE CONSTRUCTION, QUALITY AND CERTIFICATION DETAILS ARE UNDERSTOOD. THE QUALIFICATION TEST WILL VERIFY THE ABOVE CORRECTIVE ACTION.

G. J. BORGO
DIRECTOR G.A.
VALCOR ENCG. CORP.
NRC BHDA
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