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ARTHUR E. LUNDVALL, JR.  
VICE PRESIDENT  
SUPPLY

April 12, 1982

Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attn: Mr. Tom Novak  
Assistant Director Operating Reactors  
Division of Licensing



Subject: Calvert Cliffs Nuclear Power Plant  
Units Nos. 1 & 2; Dockets Nos. 50-317 & 50-318  
Response to I&E Bulletin 79-01B

- References: (a) Letter from A. E. Lundvall, Jr. to T. Novak dated February 26, 1982.  
(b) Letter from R. A. Clark to A. E. Lundvall, Jr. dated May 28, 1981; Subject: EQ of SR Electrical Equipment.

Gentlemen:

This letter constitutes a revision to a portion of our Unit 2 computer printout summary sheets submitted with reference (a) in response to reference (b) and related documents.

The attached summary sheets resolve a discrepancy in the indicated location of ten (10) solenoid valves which are part of qualification category SV13. These valves are located in the Piping Area, Room A203. The previous summary sheets showed these valves in Rooms A309 and A409. The attached sheets replace those found on pages 114-117 and 120-125 of our previous submittal. The corresponding Unit 1 valve locations are correctly shown in our earlier submittal.

Very truly yours,

cc: J. A. Biddison, Esquire (w/o attach)  
G. F. Trowbridge, Esquire (w/o attach)  
Mr. D. K. Jaffe - NRC (w/ attach)  
Mr. R. E. Architzel - NRC (w/o attach)

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CALVERT CLIFFS NUCLEAR POWER PLANT  
SUMMARY REPORT OF CLASS 1E ELECTRICAL EQUIPMENT  
3/31/82

PAGE 114

SYSTEM: MAIN STEAM  
SUBSYSTEM: MAIN STEAM ISOLATION  
EQUIPMENT: SG 21 MSIV 2CV4043

| -----E N V I R O N M E N T-----   |                    |              |               |                         |
|-----------------------------------|--------------------|--------------|---------------|-------------------------|
| EQUIPMENT<br>DESCRIPTION          | PARAMETER          | REQUIREMENTS | QUALIFICATION | QUALIFICATION<br>METHOD |
| -----                             | -----              | -----        | -----         | -----                   |
| COMPONENT NUMBER<br>2SV4042       | OPERATING<br>TIME  | NA           | NA            |                         |
| COMPONENT<br>SOLENOID VALVE       | TEMPERATURE        | 120F         | 120F          |                         |
| MANUFACTURER<br>REPUBLIC/TELEDYNE | PRESSURE<br>(PSIG) | N/A          | NR            |                         |
| PART NUMBER<br>21110-6202-5253    | HUMIDITY<br>(%)    | 50           | NR            |                         |
| ACCURACY<br>NA                    | CHEMICAL<br>SPRAY  | N/A          | NR            |                         |
| LOCATION<br>A203<br>PIPING AREA   | RADIATION          | 1.521E+6     | 4.5E+6        |                         |
|                                   | AGING              |              |               |                         |

OPERATING REQUIREMENTS

HELK

OUTSTANDING ITEMS:

DOCUMENTATION REFERENCES:

1. REQUIRED TO OPERATE DURING HELK TO CLOSE MSIV
- 2.
- 3.
4. SPEC M-273
- 5.
- 6.
7. POST LOCA DONES, REP#11865, 3/17/81
8. RAD ZONES-REF DWGS A-180 THRU A-184

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CALVERT CLIFFS NUCLEAR POWER PLANT  
SUMMARY REPORT OF CLASS 1E ELECTRICAL EQUIPMENT  
3/31/82

PAGE 115

SYSTEM: MAIN STEAM  
SUBSYSTEM: MAIN STEAM ISOLATION  
EQUIPMENT: SG 21 MSIV 2CV4043

-----E N V I R O N M E N T-----

| EQUIPMENT<br>DESCRIPTION          | PARAMETER          | REQUIREMENTS | QUALIFICATION | QUALIFICATION<br>METHOD |
|-----------------------------------|--------------------|--------------|---------------|-------------------------|
| COMPONENT NUMBER<br>2SV4045       | OPERATING<br>TIME  | NA           | NA            |                         |
| COMPONENT<br>SOLENOID VALVE       | TEMPERATURE        | 120F         | 120F          |                         |
| MANUFACTURER<br>REPUBLIC/TELEDYNE | PRESSURE<br>(PSIG) | N/A          | NR            |                         |
| PART NUMBER<br>21110-6202-5253    | HUMIDITY<br>(%)    | 50           | NR            |                         |
| ACCURACY<br>NA                    | CHEMICAL<br>SPRAY  | N/A          | NR            |                         |
| LOCATION<br>A203<br>PIPING AREA   | RADIATION          | 1.521E+6     | 4.5E+6        |                         |
|                                   | AGING              |              |               |                         |

OPERATING REQUIREMENTS

HELH

OUTSTANDING ITEMS:

DOCUMENTATION REFERENCES:

1. MUST REMAIN IN NORMAL POSITION TO ALLOW MSIV CLOSURE
- 2.
- 3.
4. SPEC M-273
- 5.
- 6.
7. POST LOCA DORES, REP#11865, 3/17/81
8. RAD ZONES-REF DWGS A-180 THRU A-184

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CALVERT CLIFFS NUCLEAR POWER PLANT  
SUMMARY REPORT OF CLASS 1E ELECTRICAL EQUIPMENT  
3/31/82

PAGE 116

SYSTEM: MAIN STEAM  
SUBSYSTEM: MAIN STEAM ISOLATION  
EQUIPMENT: SG 21 MSIV 2CV4043

| -----E N V I R O N M E N T-----   |                    |                       |                        |                                  |
|-----------------------------------|--------------------|-----------------------|------------------------|----------------------------------|
| EQUIPMENT<br>DESCRIPTION<br>----- | PARAMETER<br>----- | REQUIREMENTS<br>----- | QUALIFICATION<br>----- | QUALIFICATION<br>METHOD<br>----- |
| COMPONENT NUMBER<br>2SV4043       | OPERATING<br>TIME  | NA                    | NA                     |                                  |
| COMPONENT<br>SOLENOID VALVE       | TEMPERATURE        | 120F                  | 120F                   |                                  |
| MANUFACTURER<br>REPUBLIC/TELEDYNE | PRESSURE<br>(PSIG) | N/A                   | NR                     |                                  |
| PART NUMBER<br>21110-6202-9253    | HUMIDITY<br>(%)    | 50                    | NR                     |                                  |
| ACCURACY<br>NA                    | CHEMICAL<br>SPRAY  | N/A                   | NR                     |                                  |
| LOCATION<br>A203<br>PIPING AREA   | RADIATION          | 1.521E+6              | 4.5E+6                 |                                  |
|                                   | AGING              |                       |                        |                                  |

OPERATING REQUIREMENTS

HELP

OUTSTANDING ITEMS:

DOCUMENTATION REFERENCES:

1. REQUIRED TO OPERATE DURING HELP TO CLOSE MSIV
- 2.
- 3.
4. SPEC M-273
- 5.
- 6.
7. POST LOCA DORES, REP#11865, 3/17/81
8. RAD ZONES-REF DWGS A-180 THRU A-184

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CALVERT CLIFFS NUCLEAR POWER PLANT  
SUMMARY REPORT OF CLASS 1E ELECTRICAL EQUIPMENT  
3/31/82

PAGE 117

SYSTEM: MAIN STEAM  
SUBSYSTEM: MAIN STEAM ISOLATION  
EQUIPMENT: SG 21 MSIV 2CV4043

| EQUIPMENT<br>DESCRIPTION          | -----E N V I R O N M E N T----- |              |               | QUALIFICATION<br>METHOD |
|-----------------------------------|---------------------------------|--------------|---------------|-------------------------|
|                                   | PARAMETER                       | REQUIREMENTS | QUALIFICATION |                         |
| COMPONENT NUMBER<br>2SV4044       | OPERATING<br>TIME               | NA           | NA            |                         |
| COMPONENT<br>SOLENOID VALVE       | TEMPERATURE                     | 120F         | 120F          |                         |
| MANUFACTURER<br>REPUBLIC/TELEDYNE | PRESSURE<br>(PSIG)              | N/A          | NR            |                         |
| PART NUMBER<br>21110-6202-5253    | HUMIDITY<br>(%)                 | 50           | NR            |                         |
| ACCURACY<br>NA                    | CHEMICAL<br>SPRAY               | N/A          | NR            |                         |
| LOCATION<br>A203<br>PIPING AREA   | RADIATION                       | 1.521E+6     | 4.5E+6        |                         |
|                                   | AGING                           |              |               |                         |
| OPERATING REQUIREMENTS            |                                 |              |               |                         |
| HELK                              |                                 |              |               |                         |

OUTSTANDING ITEMS:

DOCUMENTATION REFERENCES:

1. REQUIRED TO OPERATE DURING HELK TO CLOSE MSIV
- 2.
- 3.
4. SPFC M-273
- 5.
- 6.
7. POST LOCA DOSES, REP#11865, 3/17/81
8. RAD ZONES-REF DWGS A-180 THRU A-184

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CALVERT CLIFFS NUCLEAR POWER PLANT  
SUMMARY REPORT OF CLASS 1E ELECTRICAL EQUIPMENT  
3/31/82

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SYSTEM: MAIN STEAM  
SUBSYSTEM: MAIN STEAM ISOLATION  
EQUIPMENT: SG 22 MSIV 2CV4046

| -----E N V I R O N M E N T-----   |                    |              |               |                         |
|-----------------------------------|--------------------|--------------|---------------|-------------------------|
| EQUIPMENT<br>DESCRIPTION          | PARAMETER          | REQUIREMENTS | QUALIFICATION | QUALIFICATION<br>METHOD |
| -----                             | -----              | -----        | -----         | -----                   |
| COMPONENT NUMBER<br>2SV4052       | OPERATING<br>TIME  | NA           | NA            |                         |
| COMPONENT<br>SOLENOID VALVE       | TEMPERATURE        | 120F         | 120F          |                         |
| MANUFACTURER<br>REPUBLIC/TELEDYNE | PRESSURE<br>(PSIG) | N/A          | NR            |                         |
| PART NUMBER<br>21110-6202-5253    | HUMIDITY<br>(%)    | 50           | NR            |                         |
| ACCURACY<br>NA                    | CHEMICAL<br>SPRAY  | N/A          | NR            |                         |
| LOCATION<br>A203<br>PIPING AREA   | RADIATION          | 1.521E+6     | 4.5E+6        |                         |
|                                   | AGING              |              |               |                         |

OPERATING REQUIREMENTS

HFLR

OUTSTANDING ITEMS:

DOCUMENTATION REFERENCES:

1. MUST REMAIN IN NORMAL POSITION TO ALLOW MSIV CLOSURE
- 2.
- 3.
4. SPEC M-273
- 5.
- 6.
7. POST LOCA DOSES, REP#11865, 3/17/81
8. RAD ZONES-REF DWGS A-180 THRU A-184

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CALVERT CLIFFS NUCLEAR POWER PLANT  
SUMMARY REPORT OF CLASS 1E ELECTRICAL EQUIPMENT  
3/31/82

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SYSTEM: MAIN STEAM  
SUBSYSTEM: MAIN STEAM ISOLATION  
EQUIPMENT: SG 22 MSIV 2CV4048

| -----E N V I R O N M E N T-----   |                    |              |               |                         |
|-----------------------------------|--------------------|--------------|---------------|-------------------------|
| EQUIPMENT<br>DESCRIPTION          | PARAMETER          | REQUIREMENTS | QUALIFICATION | QUALIFICATION<br>METHOD |
| -----                             | -----              | -----        | -----         | -----                   |
| COMPONENT NUMBER<br>28V4048       | OPERATING<br>TIME  | NA           | NA            |                         |
| COMPONENT<br>SOLENOID VALVE       | TEMPERATURE        | 120F         | 120F          |                         |
| MANUFACTURER<br>REPUBLIC/TELEDYNE | PRESSURE<br>(PSIG) | N/A          | NR            |                         |
| PART NUMBER<br>21110-6202-5253    | HUMIDITY<br>(%)    | 50           | NR            |                         |
| ACCURACY<br>NA                    | CHEMICAL<br>SPRAY  | N/A          | NR            |                         |
| LOCATION<br>A203<br>PIPING AREA   | RADIATION          | 1.521E+6     | 4.5E+6        |                         |
|                                   | AGING              |              |               |                         |

OPERATING REQUIREMENTS

HEL R

OUTSTANDING ITEMS:

DOCUMENTATION REFERENCES:

1. REQUIRED TO OPERATE DURING HEL R TO CLOSE MSIV
- 2.
- 3.
4. SPEC M-273
- 5.
- 6.
7. POST LOCA DOSES, REP#11865, 3/17/81
8. RAD ZONES-REF DWGS A-180 THRU A-184

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CALVERT CLIFFS NUCLEAR POWER PLANT  
SUMMARY REPORT OF CLASS 1E ELECTRICAL EQUIPMENT  
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SYSTEM: MAIN STEAM  
SUBSYSTEM: MAIN STEAM ISOLATION  
EQUIPMENT: SG 22 MSIV PCV4048

| -----E N V I R O N M E N T-----   |                    |              |               |                         |
|-----------------------------------|--------------------|--------------|---------------|-------------------------|
| EQUIPMENT<br>DESCRIPTION          | PARAMETER          | REQUIREMENTS | QUALIFICATION | QUALIFICATION<br>METHOD |
| COMPONENT NUMBER<br>2SV4049       | OPERATING<br>TIME  | NA           | NA            |                         |
| COMPONENT<br>SOLENOID VALVE       | TEMPERATURE        | 120F         | 120F          |                         |
| MANUFACTURER<br>REPUBLIC/TELEDYNE | PRESSURE<br>(PSIG) | N/A          | NR            |                         |
| PART NUMBER<br>21110-6202-5253    | HUMIDITY<br>(%)    | 50           | NR            |                         |
| ACCURACY<br>NA                    | CHEMICAL<br>SPRAY  | N/A          | NR            |                         |
| LOCATION<br>A203<br>PIPING AREA   | RADIATION          | 1.521E+6     | 4.5E+6        |                         |
|                                   | AGING              |              |               |                         |
| OPERATING REQUIREMENTS            |                    |              |               |                         |
| HELB                              |                    |              |               |                         |

OUTSTANDING ITEMS:

DOCUMENTATION REFERENCES:

1. REQUIRED TO OPERATE DURING HELB TO CLOSE MSIV
- 2.
- 3.
4. SPEC M-273
- 5.
- 6.
7. POST LOCA DOSES, REP#11865, 3/17/81
8. RAD ZONES-REF DWGS A-180 THRU A-184

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CALVERT CLIFFS NUCLEAR POWER PLANT  
SUMMARY REPORT OF CLASS 1E ELECTRICAL EQUIPMENT  
3/31/82

PAGE 123

SYSTEM: MAIN STEAM  
SUBSYSTEM: MAIN STEAM ISOLATION  
EQUIPMENT: SG 22 MSIV 2CV4048

| -----E N V I R O N M E N T-----   |                    |              |               |                         |
|-----------------------------------|--------------------|--------------|---------------|-------------------------|
| EQUIPMENT<br>DESCRIPTION          | PARAMETER          | REQUIREMENTS | QUALIFICATION | QUALIFICATION<br>METHOD |
| COMPONENT NUMBER<br>2SV4053       | OPERATING<br>TIME  | NA           | NA            |                         |
| COMPONENT<br>SOLENOID VALVE       | TEMPERATURE        | 120F         | 120F          |                         |
| MANUFACTURER<br>REPUBLIC/TELEDYNE | PRESSURE<br>(PSIG) | N/A          | NR            |                         |
| PART NUMBER<br>21110-6202-5253    | HUMIDITY<br>(%)    | 50           | NR            |                         |
| ACCURACY<br>NA                    | CHEMICAL<br>SPRAY  | N/A          | NR            |                         |
| LOCATION<br>A203<br>PIPING AREA   | RADIATION          | 1.521E+6     | 4.5E+6        |                         |
|                                   | AGING              |              |               |                         |

OPERATING REQUIREMENTS

HELH

OUTSTANDING ITEMS:

DOCUMENTATION REFERENCES:

1. MUST REMAIN IN NORMAL POSITION TO ALLOW MSIV CLOSURE
- 2.
- 3.
4. SPEC M-273
- 5.
- 6.
7. POST LOCA DOSES, REP#11865, 3/17/81
8. RAD ZONES-REF DWGS A-180 THRU A-184

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CALVERT CLIFFS NUCLEAR POWER PLANT  
SUMMARY REPORT OF CLASS 1E ELECTRICAL EQUIPMENT  
3/31/82

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SYSTEM: MAIN STEAM  
SUBSYSTEM: MAIN STEAM ISOLATION  
EQUIPMENT: SG 22 MSIV 2CV4048

| -----E N V I R O N M E N T-----   |                    |                       |                        |                                  |
|-----------------------------------|--------------------|-----------------------|------------------------|----------------------------------|
| EQUIPMENT<br>DESCRIPTION<br>----- | PARAMETER<br>----- | REQUIREMENTS<br>----- | QUALIFICATION<br>----- | QUALIFICATION<br>METHOD<br>----- |
| COMPONENT NUMBER<br>2SV4047       | OPERATING<br>TIME  | NA                    | NA                     |                                  |
| COMPONENT<br>SOLENOID VALVE       | TEMPERATURE        | 120F                  | 120F                   |                                  |
| MANUFACTURER<br>REPUBLIC/TELEDYNE | PRESSURE<br>(PSIG) | N/A                   | NR                     |                                  |
| PART NUMBER<br>21110-6202-5253    | HUMIDITY<br>(%)    | 50                    | NR                     |                                  |
| ACCURACY<br>NA                    | CHEMICAL<br>SPRAY  | N/A                   | NR                     |                                  |
| LOCATION<br>A203<br>PIPING AREA   | RADIATION          | 1.521E+6              | 4.5E+6                 |                                  |
|                                   | AGING              |                       |                        |                                  |

OPERATING REQUIREMENTS

HELB

OUTSTANDING ITEMS:

DOCUMENTATION REFERENCES:

1. REQUIRED TO OPERATE DURING HELB TO CLOSE MSIV
- 2.
- 3.
4. SPEC M-273
- 5.
- 6.
7. POST LOCA DOSES, REP#11865, 3/17/81
8. RAD ZONES-REF DWGS A-180 THRU A-184

SV0013

SYSTEM: MAIN STEAM  
SUBSYSTEM: MAIN STEAM ISOLATION  
EQUIPMENT: SG 21 MSIV 2CV4043

-----E N V I R O N M E N T-----

| EQUIPMENT<br>DESCRIPTION          | PARAMETER          | REQUIREMENTS | QUALIFICATION | QUALIFICATION<br>METHOD |
|-----------------------------------|--------------------|--------------|---------------|-------------------------|
| COMPONENT NUMBER<br>2SV4046       | OPERATING<br>TIME  | NA           | NA            |                         |
| COMPONENT<br>SOLENOID VALVE       | TEMPERATURE        | 120F         | 120F          |                         |
| MANUFACTURER<br>REPUBLIC/TELEDYNE | PRESSURE<br>(PSIG) | N/A          | NR            |                         |
| PART NUMBER<br>21110-6202-5253    | HUMIDITY<br>(%)    | 50           | NR            |                         |
| ACCURACY<br>NA                    | CHEMICAL<br>SPRAY  | N/A          | NR            |                         |
| LOCATION<br>A203<br>PIPING AREA   | RADIATION          | 1.521E+6     | 4.5E+6        |                         |
|                                   | AGING              |              |               |                         |

OPERATING REQUIREMENTS

HELR

OUTSTANDING ITEMS:

DOCUMENTATION REFERENCES:

1. MUST REMAIN IN NORMAL POSITION TO ALLOW MSIV CLOSURE
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7. POST LOCA DOSES, REP#11865, 3/17/81
8. RAD ZONES-REF DWGS A-180 THRU A-184