

From: Schiller, Alina
Sent: Tuesday, September 29, 2020 3:19 PM
To: Vogtle PEmails
Subject: MOV Loss of Motive Force presentation material for 10-1-20 Vogtle Units 3 and 4 public meeting
Attachments: MOV Loss of Power public call October 1.pptx

From: Petrak, Tom G. <TGPETRAK@southernco.com>
Sent: Tuesday, September 29, 2020 2:16 PM
To: Schiller, Alina <Alina.Schiller@nrc.gov>
Cc: Arafeh, Yasmeen N. <YNARAFEH@southernco.com>; Gaslevic, James <James.Gaslevic@nrc.gov>; Welch, Christopher <Christopher.Welch@nrc.gov>; Hall, Victor <Victor.Hall@nrc.gov>; Lopez-Santiago, Omar <Omar.Lopez-Santiago@nrc.gov>
Subject: [External_Sender] MOV Loss of Motive Force public call presentation material

Alina,

Here is the other presentation for this Thursday's public call.

Thomas G. Petrak

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VEGP 3&4

Motor Operated Valve

Loss of Motive Power Verification

October 1, 2020

MOV Loss of Power Verification

There are 10 ITAAC that perform a Loss of Power Verification that include MOVs:

47	265
118	301
138	382
206	470
250	700



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Example of Loss Power ITAAC

ITAAC 118

Table 2.2.1-3
Inspections, Tests, Analyses, and Acceptance Criteria

118	2.2.01.11b	11.b) After loss of motive power, the remotely operated valves identified in Table 2.2.1-1 assume the indicated loss of motive power position.	Testing of the remotely operated valves will be performed under the conditions of loss of motive power.	After loss of motive power, each remotely operated valve identified in Table 2.2.1-1 assumes the indicated loss of motive power position.
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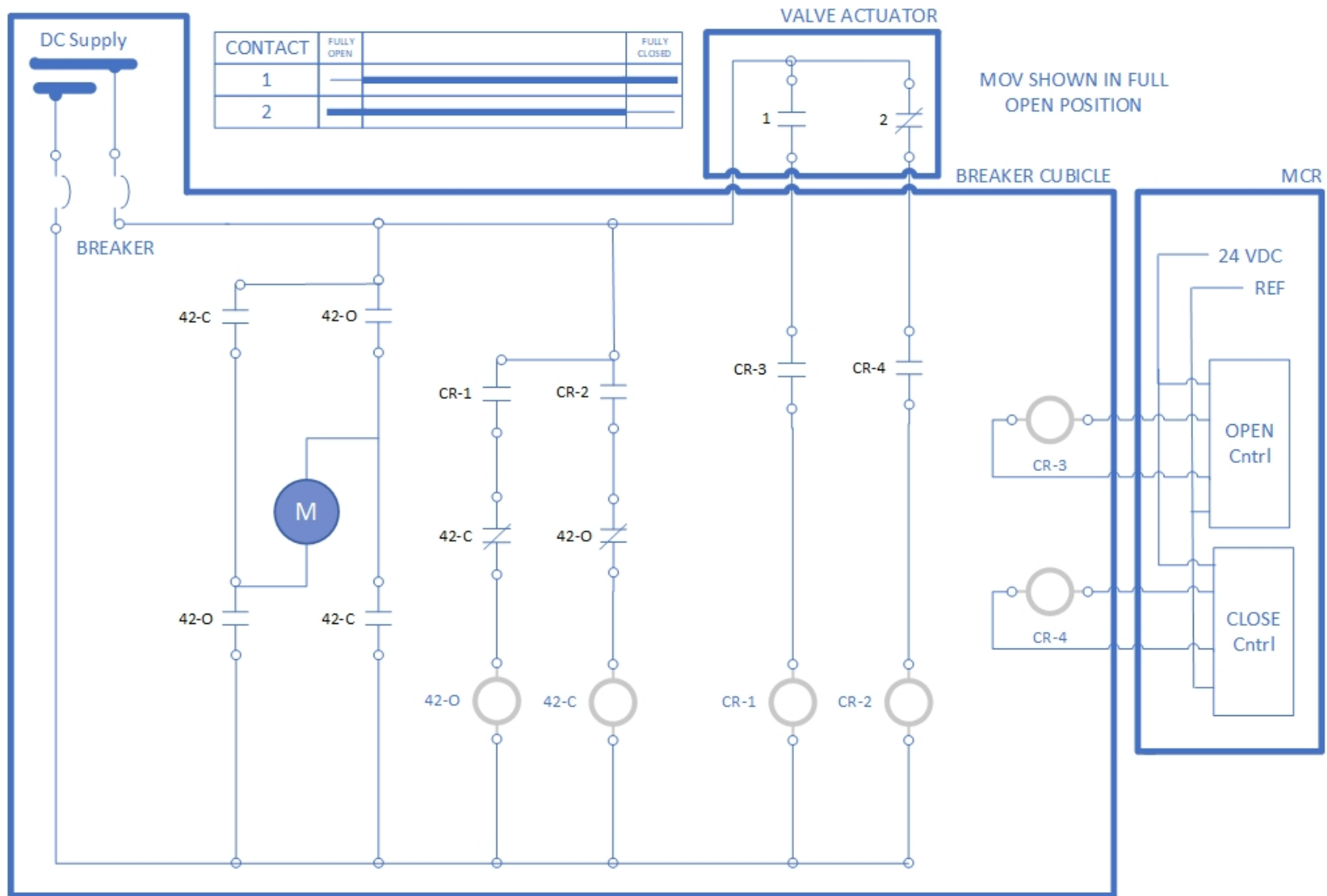
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SIMPLIFIED MOV ELEMENTARY SKETCH



Current MOV Test Verification

- MOVs are either positioned to the Open or Closed position depending on the valve being tested.
- Power supply to the MOV is opened
- MOV is verified to not change position



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Proposed MOV Test Verification

- Use MOV setup work order to verify proper operation of the MOV
- Setup work order verifies proper operation of the Open and Close contactors.
- Verification that the Open and Close contactors operate properly ensures that upon a loss of power to the MOV, that the MOV will fail As-Is. Power to operate the valve motor come through contacts from the Open and Close contactors.



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