From: Schiller, Alina
Sent: Tuesday, September 29, 2020 10:17 AM
To: Vogtle PEmails
Cc: Gaslevic, James
Subject: ITAAC 375 presentation material for 10-1-20 Vogtle Units 3 and 4 public meeting
Attachments: ITAAC 375 public call October 1.pptx

From: Petrak, Tom G. <TGPETRAK@southernco.com>
Sent: Tuesday, September 29, 2020 10:01 AM
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] ITAAC 375 presentation material for 10-1 public call.

Alina,

Attached is the presentation material for the ITAAC 375 discussion for this Thursday's public call.

I will be sending a separate email with the MOV Loss of Motive Force presentation for this Thursday's public call later this morning.

Thomas G. Petrak

Vogtle 3&4 ITAAC Manager
Southern Nuclear Operating Company
7835 River Road, Bldg. 302 - Waynesboro, GA 30830
(706) 848-1575(o)
(706) 833-7581 (c)
Southern Nuclear

Hearing Identifier: Vogtle_COL_Docs_Public
Email Number: 591

Mail Envelope Properties (BLAPR09MB6594DA7656E04825265E3EA196320)

Subject: ITAAC 375 presentation material for 10-1-20 Vogtle Units 3 and 4 public meeting
Sent Date: 9/29/2020 10:17:00 AM
Received Date: 9/29/2020 10:17:05 AM
From: Schiller, Alina

Created By: Alina.Schiller@nrc.gov

Recipients:
"Gaslevic, James" <James.Gaslevic@nrc.gov>
Tracking Status: None
"Vogtle PEmails" <Vogtle.PEmails@nrc.gov>
Tracking Status: None

Post Office: BLAPR09MB6594.namprd09.prod.outlook.com

Files	Size	Date & Time
MESSAGE	916	9/29/2020 10:17:05 AM
image001.png	3937	
ITAAC 375 public call October 1.pptx	2010869	

Options
Priority: Normal
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:


Southern Nuclear

ONE TEAM. ONE VISION. ONE GOAL.

Building the future of nuclear power in America

VEGP 3&4

ITAAC 375

October 1, 2020

Southern Nuclear

Georgia Power

ITAAC 375
COL

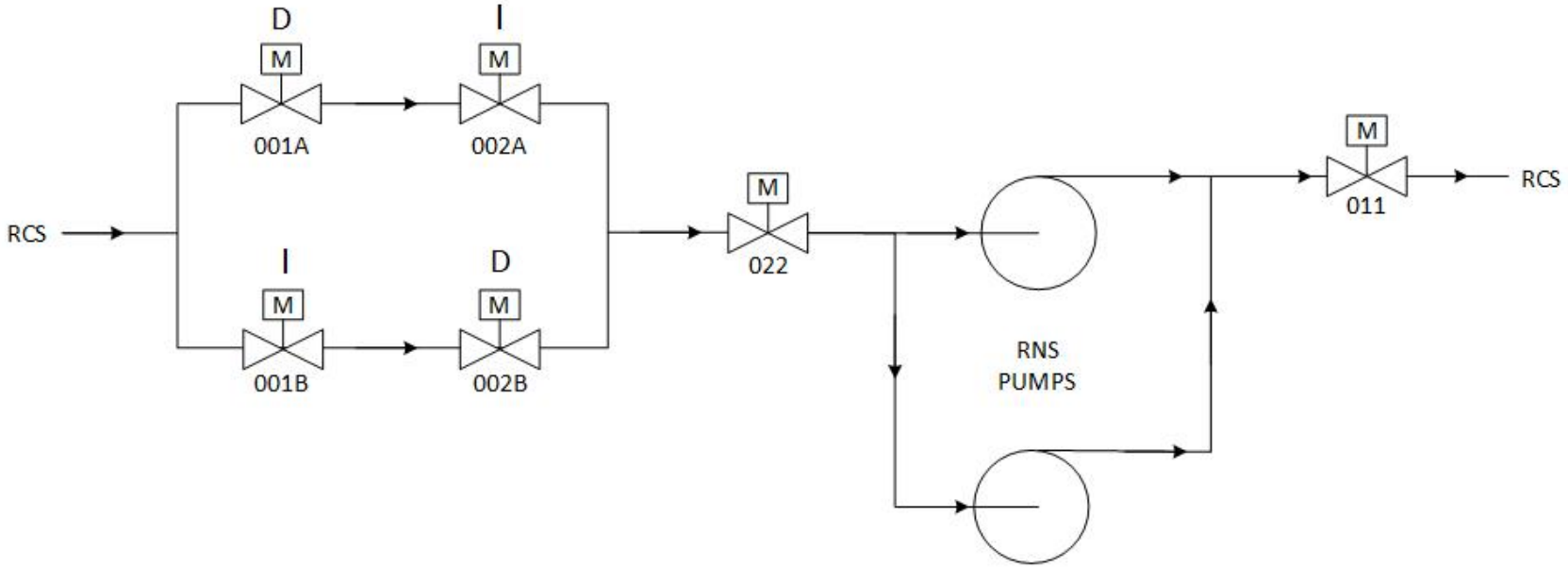
Table 2.3.6-4

Inspections, Tests, Analyses, and Acceptance Criteria

No.	ITAAC No.	Design Commitment	Inspections, Tests, Analyses	Acceptance Criteria
375	2.3.06.09b.ii	9.b) The RNS provides heat removal	ii) Testing will be performed to	ii) When tested individually,
		12.a) The motor-operated and check valves identified in Table 2.3.6-1 perform an active safety-related function to change position as indicated in the table.	iii) Tests of the motor-operated valves will be performed under preoperational flow, differential pressure and temperature conditions.	iii) Each motor-operated valve changes position as indicated in Table 2.3.6-1 under preoperational test conditions.

Simplified RNS P&ID

Normal Alignment



D = 60 SECOND TIME DELAY

I = INSTANTANEOUS

RNS Isolation

Manual RNS containment actuation signal causes the following:

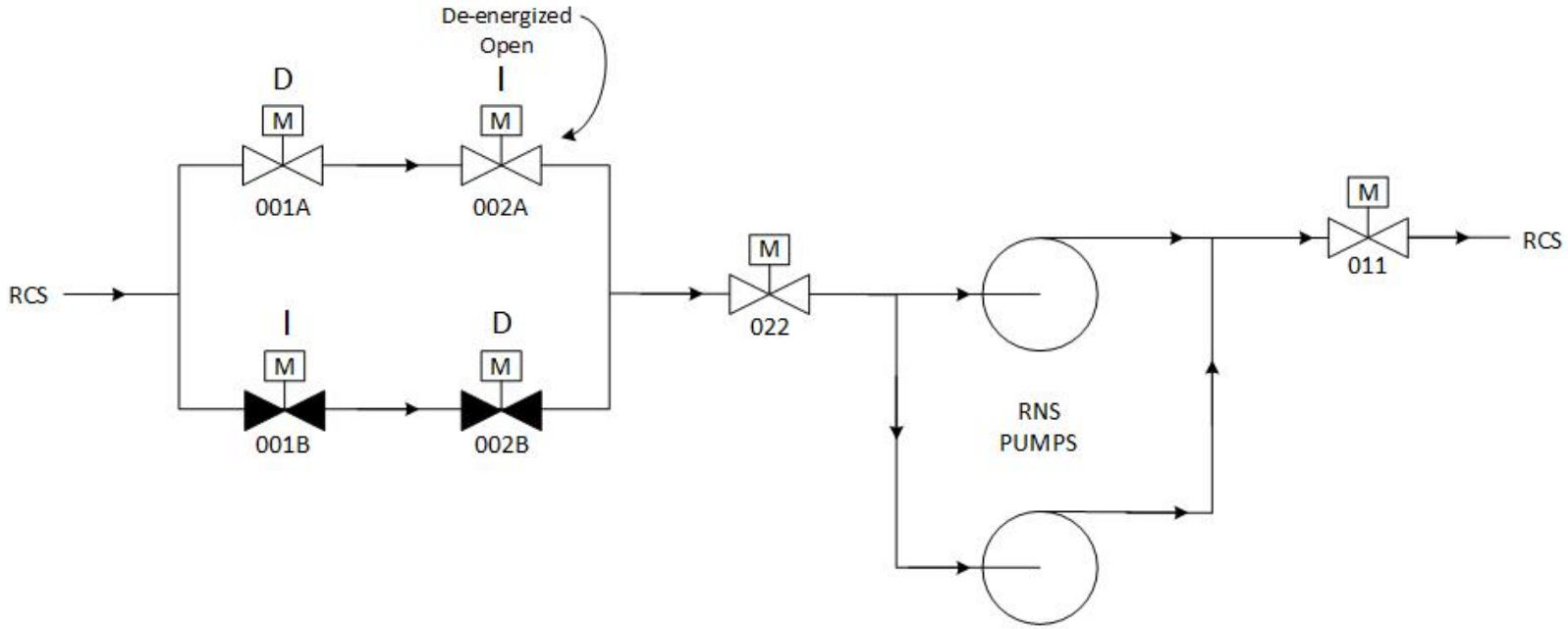
- RNS pumps to trip
- RNS system suction and discharge containment isolation MOVs (V022 and V011) to close
- RNS suction MOVs from the RCS to close. V001B and V002A close immediately and V002B and V001A close after a 60 second time delay.

Current Test Procedure

- RCS temperature > 275ºF
- RCS Pressure between 370 psig and 400 psig
- One RNS pump inservice taking suction from the RCS HL and discharging to DIV nozzles.
  - One parallel suction line isolated
  - One valve in the open parallel suction line is de-energized in the open position.

Current Test Alignment

1 of 4



D = 60 SECOND TIME DELAY

I = INSTANTANEOUS

Current Test Procedure

1. Manual actuation of RNS isolation
2. Verification that valves V022, V011 and the open energized suction isolation close and that the running RNS pump trips.
3. Realign parallel suction lines as needed to test one of the other parallel suction valves
4. Restart RNS system

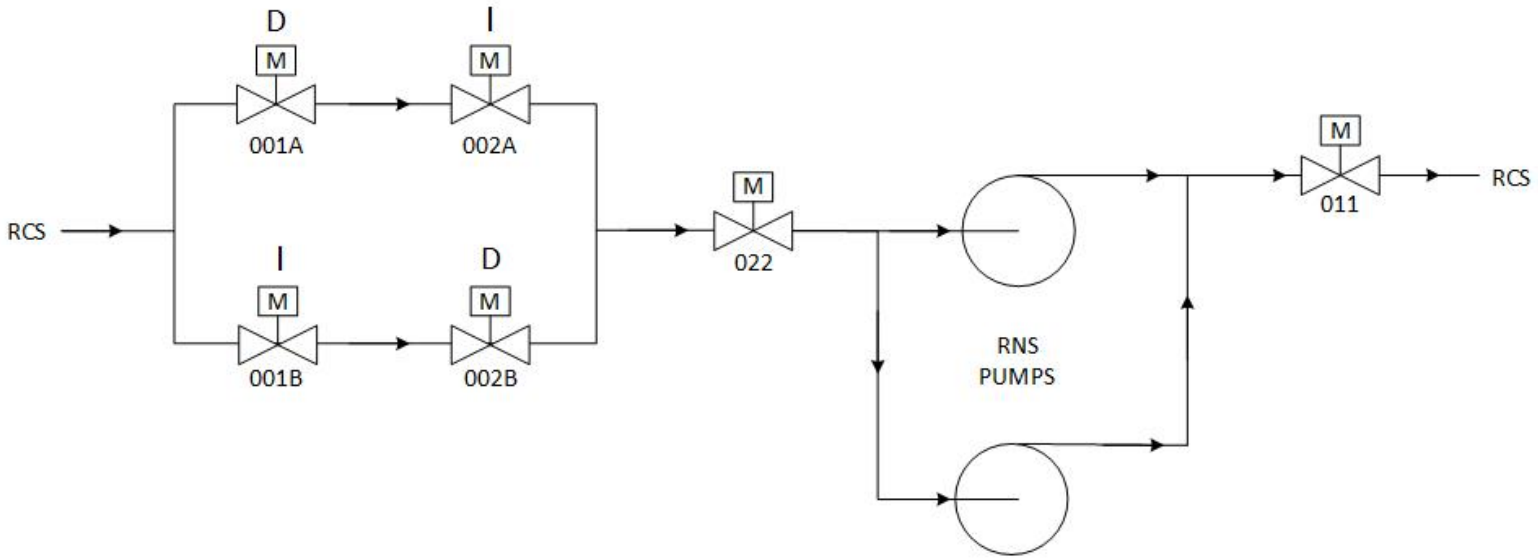
- Repeat steps 1-4 until all four parallel suction valves have been tested

Proposed Test Procedure

Prerequisites/Lineup

- RCS temperature > 275ºF
- RCS Pressure between 370 psig and 400 psig
- One RNS pump inservice taking suction from the RCS HL and discharging to DIV nozzles.
  - Both parallel suction lines inservice

Proposed Test Alignment



D = 60 SECOND TIME DELAY

I = INSTANTANEOUS

Proposed Test Procedure

1. Manual actuation of RNS isolation
2. Verification that valves V022, V011 and all 4 suction isolation valves close and that the running RNS pump trips.

Reason for Change

- Proposed test meets the requirements of the ITAAC
- Projected to reduce HFT by 1 day
- Reduce duty cycles of the suction and discharge MOVs and the RNS pumps