

NIAGARA MOHAWK POWER CORPORATION
LICENSED OPERATOR JOB PERFORMANCE MEASURE

Revision: 0

Title: Venting the RPV to the Condenser

Task Number: 2399060401

Operator: _____ (RO/SRO) Evaluator: _____

Directions to operators:

When I tell you to begin you are to vent the RPV to the condenser. I will describe general conditions and provide you access to the tools to complete this task. Before you start, I will answer any questions. When all questions have been answered I will give you the direction to start.

Evaluation Method: _____ Perform _____ Simulate

Evaluation Location: _____ Plant _____ Simulator _____ Control Room

Average Completion Time: _____ minutes Actual Completion Time _____ minutes

JPM Overall Rating: Sat/Unsat Questions: # Asked _____ # Correct _____

Comments: (Note: Any grade of Unsat requires a comment. A JPM overall rating of UNSAT shall be given if any critical step is graded as unsat. If all critical steps are performed satisfactorily and the Task Standards met, a JPM overall rating of SAT shall be given. (Note: If this JPM is done for training use ID: 02-REQ-SJT-239-2-91 and omit questions.)

Evaluators Signature: _____ Date _____

MASTER

Approvals: J.H. Smith
Training Supervisor - Unit 2

R.T. Smith 10/18/90
Asst. Supt. - Training

G. Powell 10/28/90
Supt. of Operations Unit 2

CONTROLLED

DOCUMENT

EXAMREQ2/148

02-REQ-SJE-239-2-91 -1, September 1990

Rev. 0

9304290231 911031
PDR ADDCK 05000410
S PDR

6
4/29/231



1954

K/A Rating: 3.80

Initial (Task) Conditions:

1. Rx is shutdown
2. Containment flooding is in progress
3. Main condenser vacuum is available
4. MSIV's isolations are defeated/reset
5. IAS*SOV 166 and 184 are open
6. MSIV control switches are in auto
7. MSIV's will not open

General Tools and Equipment:

None

General References:

EOP-6, Rev. 0, Att. 18, "Venting the RPV", Section 18.1.2

Task Standards:

Perform actions for venting the RPV to the main condenser through the turbine bypass valves with the MSIV's shut.

Critical Steps are denoted by (*):

Note: All steps are non-sequence critical unless noted.

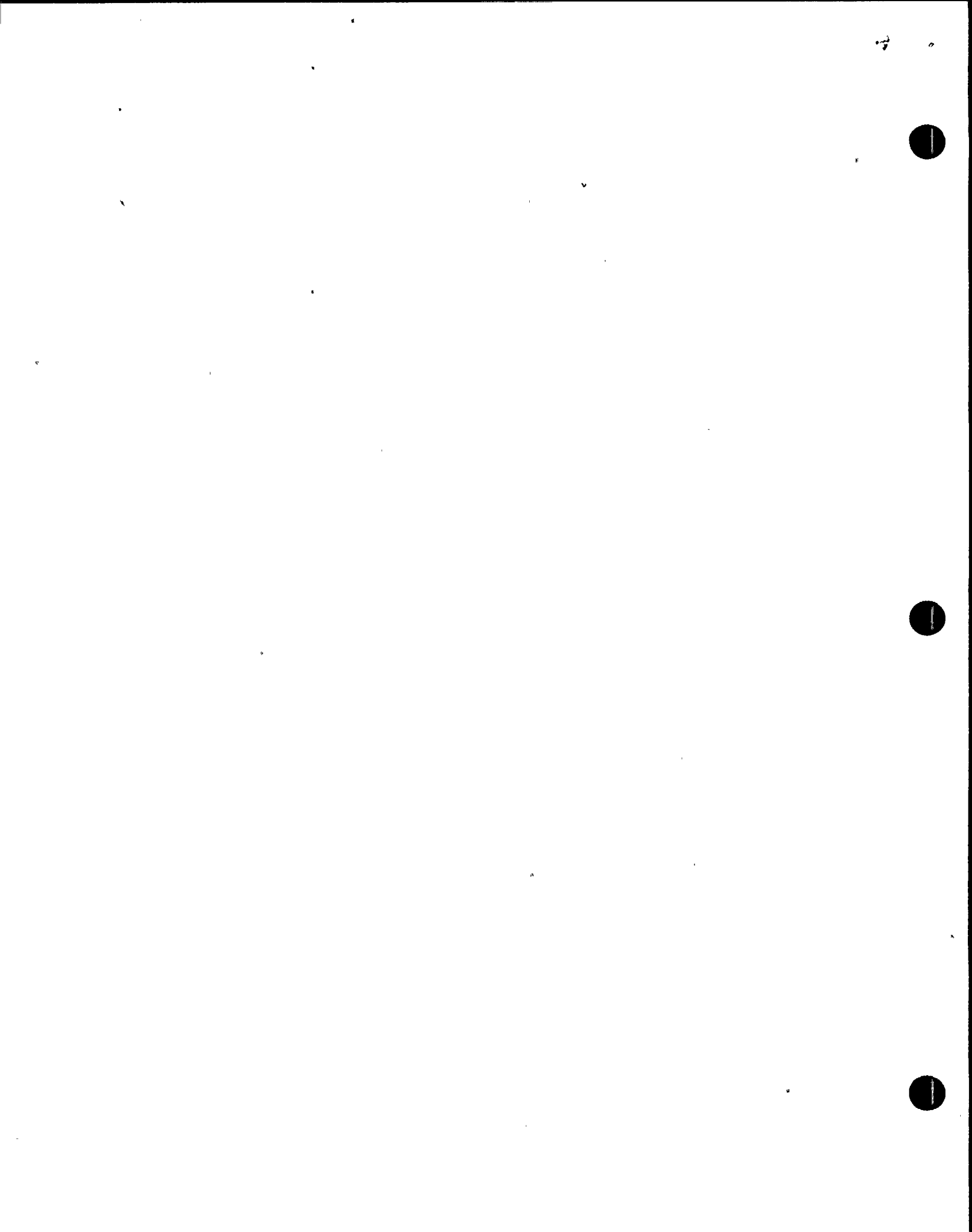
Initiating cues:

As Shift Supervisor; "Vent the RPV to the Main Condenser."

<u>Performance Steps</u>	<u>Standard</u>	<u>Sat/Unsat</u>
--------------------------	-----------------	------------------

Start Time: _____

1. Obtain current copy of procedure.	Procedure obtained.	Sat/Unsat
--------------------------------------	---------------------	-----------



Performance Steps	Standard	Sat/Unsat
2. Review all applicable precautions and prerequisites.	Precautions/prerequisites verified.	Sat/Unsat
*3. Open 2MSS*MOV207 (Cue: P824, red light on and green light off.)	MSS*MOV207 open.	Sat/Unsat
*4. Open 2MSS*MOV111 (Cue: P602, red light on and green light off.)	MSS*MOV111 open.	Sat/Unsat
*5. Open 2MSS*MOV112 (Cue: P602, red light on and green light off.)	MSS*MOV112 open.	Sat/Unsat
*6. Open 2MSS*MOV187 (Cue: P602, red light on and green light off.)	MSS*MOV187 open.	Sat/Unsat
*7. Open the turbine bypass valves. (Cue: P851, bypass jack in control, bypass valves indicate open.)	Turbine bypass valves open.	Sat/Unsat

Terminating Cue: All turbine bypass valves open, vent path established to main condenser.

Time Stop: _____



QUESTION NUMBER: 02-REQ-SJE-239-2-91-J01

TASK NUMBER: 2399060401
K/A RATING: 239001 A1.09 3.5
Requal TIF: 4.06

QUESTION:

CONSIDERING THE MAIN STEAM FLOW DETECTORS OPERABLE AND RPV VENT FLOW ENOUGH TO BE INDICATED, EXPLAIN WHY YOU WOULD OR WOULD NOT EXPECT THE VENT FLOW TO INDICATE ON THE STEAM FLOW INDICATION WHEN BYPASSING THE SHUT MSIV'S USING THE MSS DRAINS.

ANSWER:

YOU WOULD EXPECT TO SEE INDICATED FLOW BECAUSE THE STEAM FLOW INDICATORS ARE UPSTREAM OF THE MSS DRAIN LINE AND VENT FLOW WOULD PASS THROUGH THEM.

COMMENTS:

SAT / UNSAT

REFERENCES:
P & ID 1J-6



QUESTION NUMBER: 02-REQ-SJE-239-2-91-J02

TASK NUMBER: 2399060401

K/A RATING: 239002 S.G. #7 3.9

Requal TIF: 4.06

QUESTION:

GIVEN THAT VENTING THE RPV THROUGH THE MSL UPSTREAM DRAINS (UPSTREAM OF THE MSIV'S) TO THE CONDENSER IS A SECONDARY OR BACKUP METHOD OF VENTING, WHAT IS THE PRIMARY METHOD OF VENTING THE RPV TO THE CONDENSER?

ANSWER:

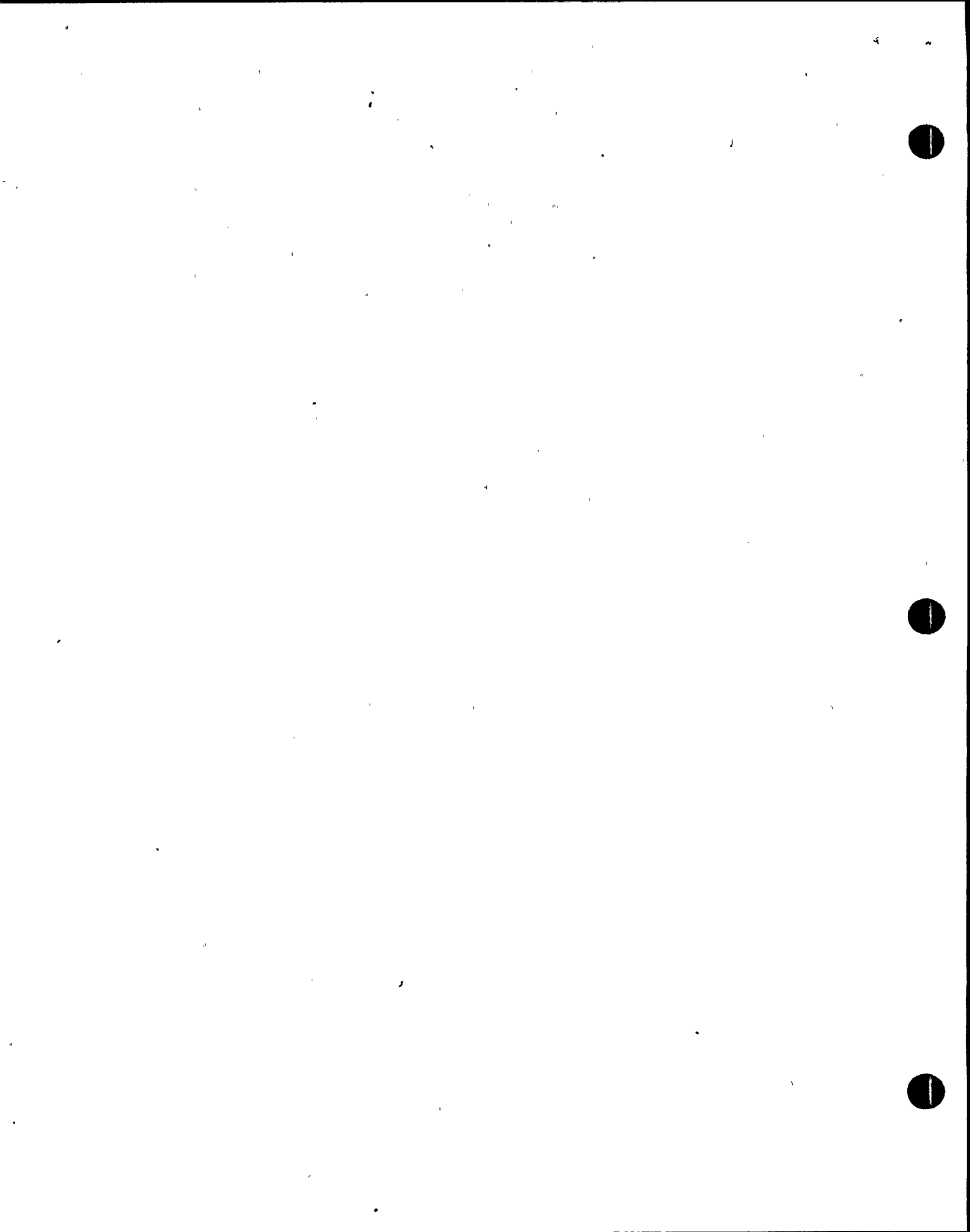
THROUGH THE MSIV'S AND THE TURBINE BYPASS VALVES.

COMMENTS:

SAT / UNSAT

REFERENCES:

N2-EOP-C6, REV. 4, "PRIMARY CONTAINMENT FLOODING"



QUESTION NUMBER: 02-REQ-SJE-239-2-91-J03

TASK NUMBER: 2399060401
K/A RATING: 239001 K1.01 3.4
Requal TIF: 4.06

QUESTION:

WHAT IS THE REASON FOR VENTING THE RPV DURING CONTAINMENT FLOODING?

ANSWER:

TO MAINTAIN RPV PRESSURE LESS THAN OR EQUAL TO CONTAINMENT PRESSURE TO ALLOW WATER LEVEL EQUALIZATION TO REFLOOD THE VESSEL.

COMMENTS:

SAT / UNSAT

REFERENCES:
N2-EOP-BASES, REV. 4, SECT. N (EOP-C6)

