

07-~~225~~-91
71.1

NIAGARA MOHAWK POWER CORPORATION

LICENSED OPERATOR JOB PERFORMANCE MEASURE

Title: Condensate Transfer Injection Revision: 0

Task Number: 2009280501

Operator: _____ (RO/SRO) Evaluator: _____

Directions to operators:

When I tell you to begin you are to manually inject into the RPV using the Condensate Transfer Pumps through the _____ piping. 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: This JPM can be done on any of the ECCS Systems available.) (Note: If this JPM is done for training use ID: 02-REQ-SJT-200-2-92 and omit questions.)

Evaluators Signature: _____ Date: _____

Approvals:

[Signature] **MASTER**
Training Supervisor - Unit 2
[Signature] **CONTROL ROOM**
Asst. Supt. - Training
[Signature] **CONTROL ROOM**
Supt. of Operations - Unit 2

02-REQ-SJT-200-2-92 - Iss. November 1990

Rev. 0

EXAMREQ2/148

DOCUMENT

9304290228 911031
PDR ADDCK 05000410
S PDR

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4/29/28

10

100
100

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K/A Rating: 3.7

Initial (Task) Conditions:

1. RPV pressure is less than 195 psig
2. The normal ECCS pumps are not available

General Tools and Equipment:

None

General References:

N2-EOP-6, Rev. 0, Att 8, "Condensate Transfer Injection," Section 8.1

Task Standards:

Perform actions for injecting into the vessel using the condensate transfer pumps.

Critical Steps are denoted by (*):

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

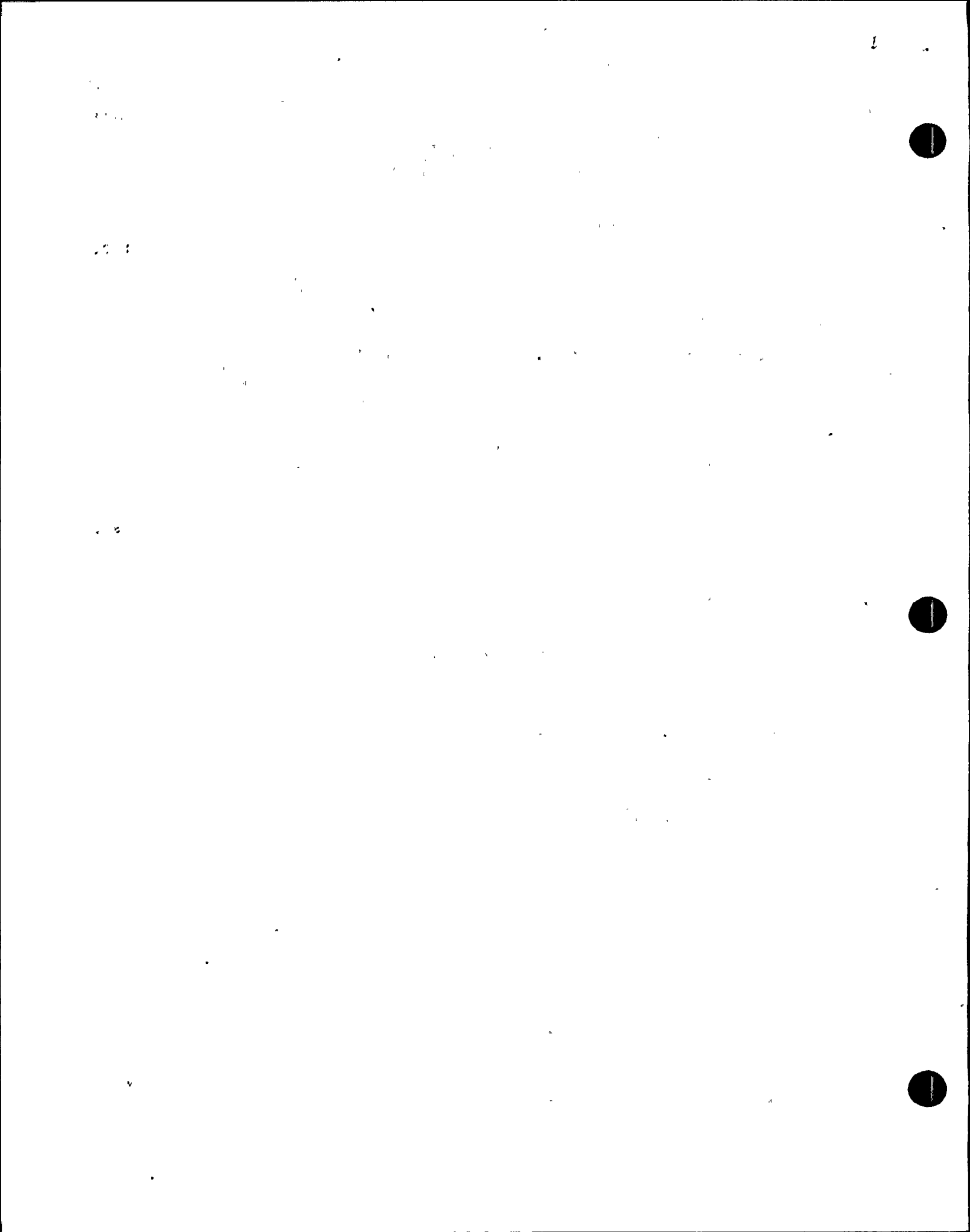
Initiating cues:

As Shift Supervisor direct; "Inject into the Reactor Vessel, using the condensate transfer pumps."

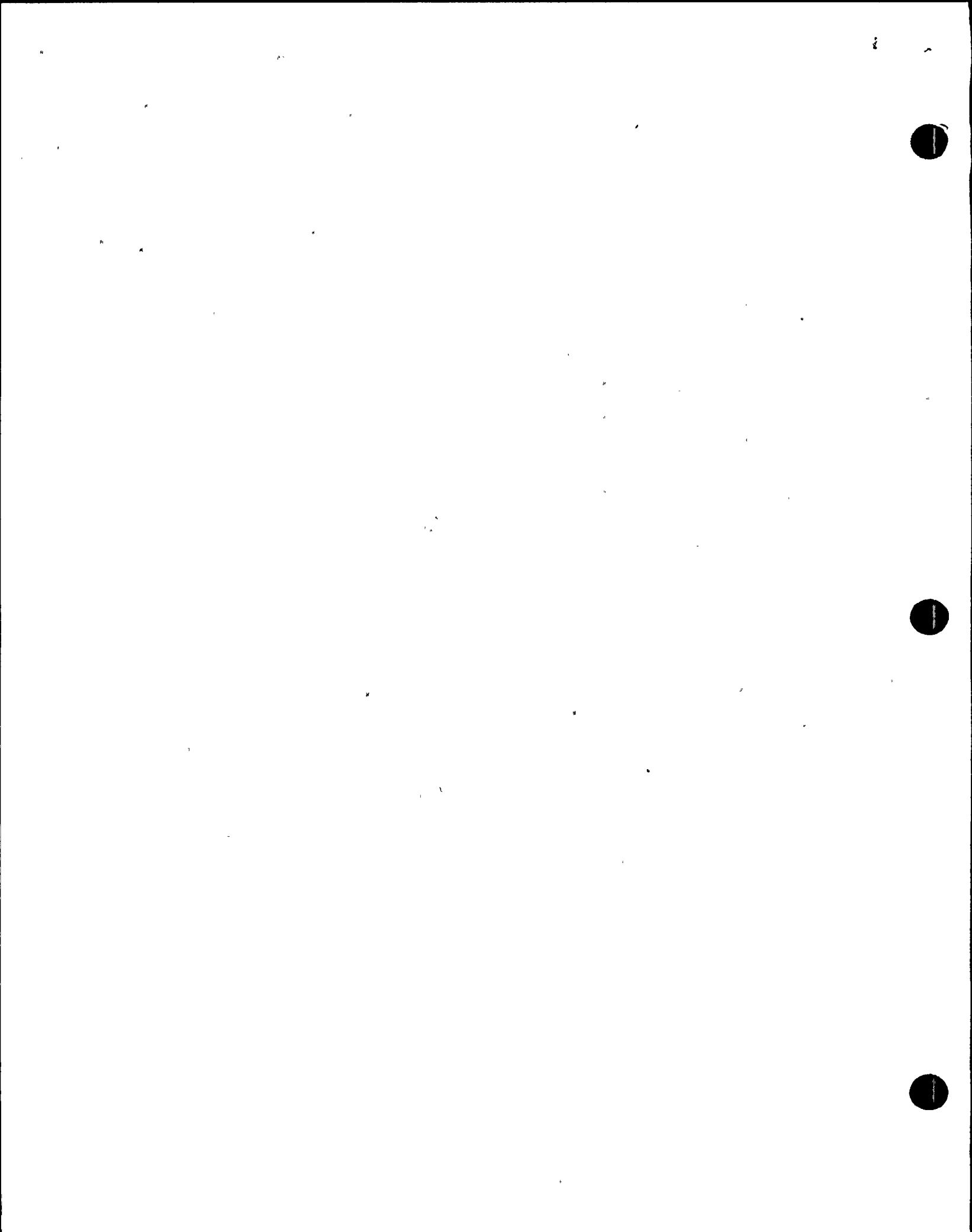
<u>Performance Steps</u>	<u>Standard</u>	<u>Sat/Unsat</u>
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Start Time: _____

1. Obtain current copy of procedure.	Procedure obtained.	Sat/Unsat
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Performance Steps	Standard	Sat/Unsat
2. Review all applicable precautions and prerequisites	Precautions/prerequisites verified.	Sat/Unsat
3. Verify RPV press is less than 195#.	Pressure verified.	Sat/Unsat
4. Verify the ECCS pump is not running. (Cue: P601, green light on and red light off.)	Pump verified.	Sat/Unsat
5. Place ECCS pump in pull to lock. (Cue: P601, pull to lock, green and red lights off.)	Pump in pull to lock.	Sat/Unsat
*6. Open the respective condensate transfer manual isolation valve(s). (Cue: Manual valve(s) opened. Inform operator valve opened.)	Manual valve open.	Sat/Unsat



Performance
Steps

Standard

Sat/Unsat

- *7. Open the respective system injection valve. (Cue: P601, green light off, red light on.) Injection valve open. Sat/Unsat

System

Manual Valves

Injection Valves

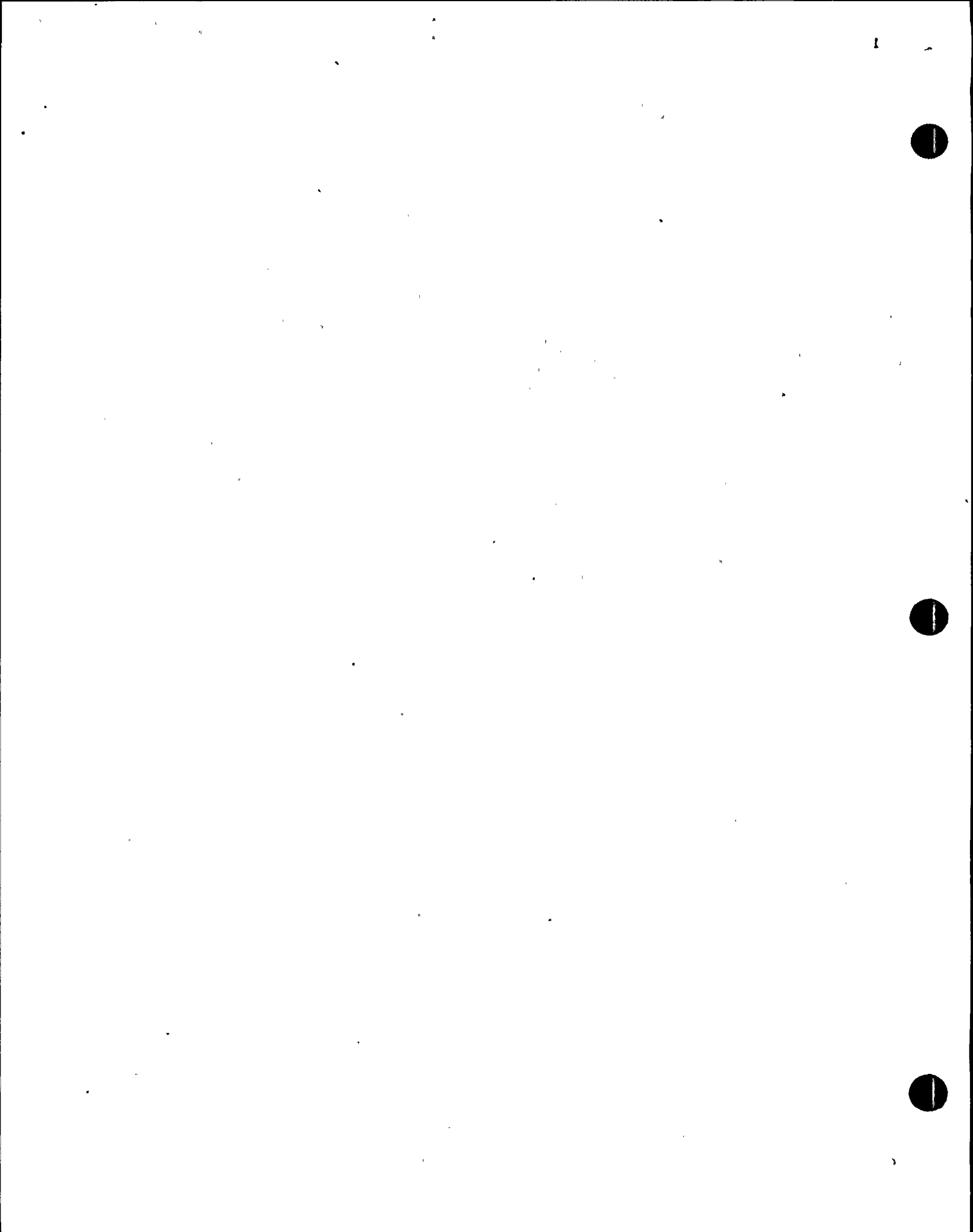
HPCS
LPCS
LPC1-A
LPC1-B
LPC1-C

2CSH*V30 and V31
2CSL*V16
2RHS*V70
2RHS*V79
2RHS*V21

2CSH*MOV 107
2CSL*MOV 104
2RHS*MOV24A
2RHS*MOV24B
2RHS*MOV24C

Terminating Cue: Injection valve open, Condensate Transfer System aligned to RPV.

Time Stop: _____



QUESTION NUMBER: 02-REQ-SJE-256-2-92-J01

TASK NUMBER: 256 918 05 01
K/A RATING: 256000 A2.01 3.3
Requal TIF:

QUESTION:

WHAT THREE (3) CONDITIONS (ANY ONE OF WHICH, IF MET) WILL RESULT IN AN AUTOMATIC TRIP OF THE RUNNING CONDENSATE TRANSFER PUMP? (SETPOINTS NOT REQUIRED)

ANSWER:

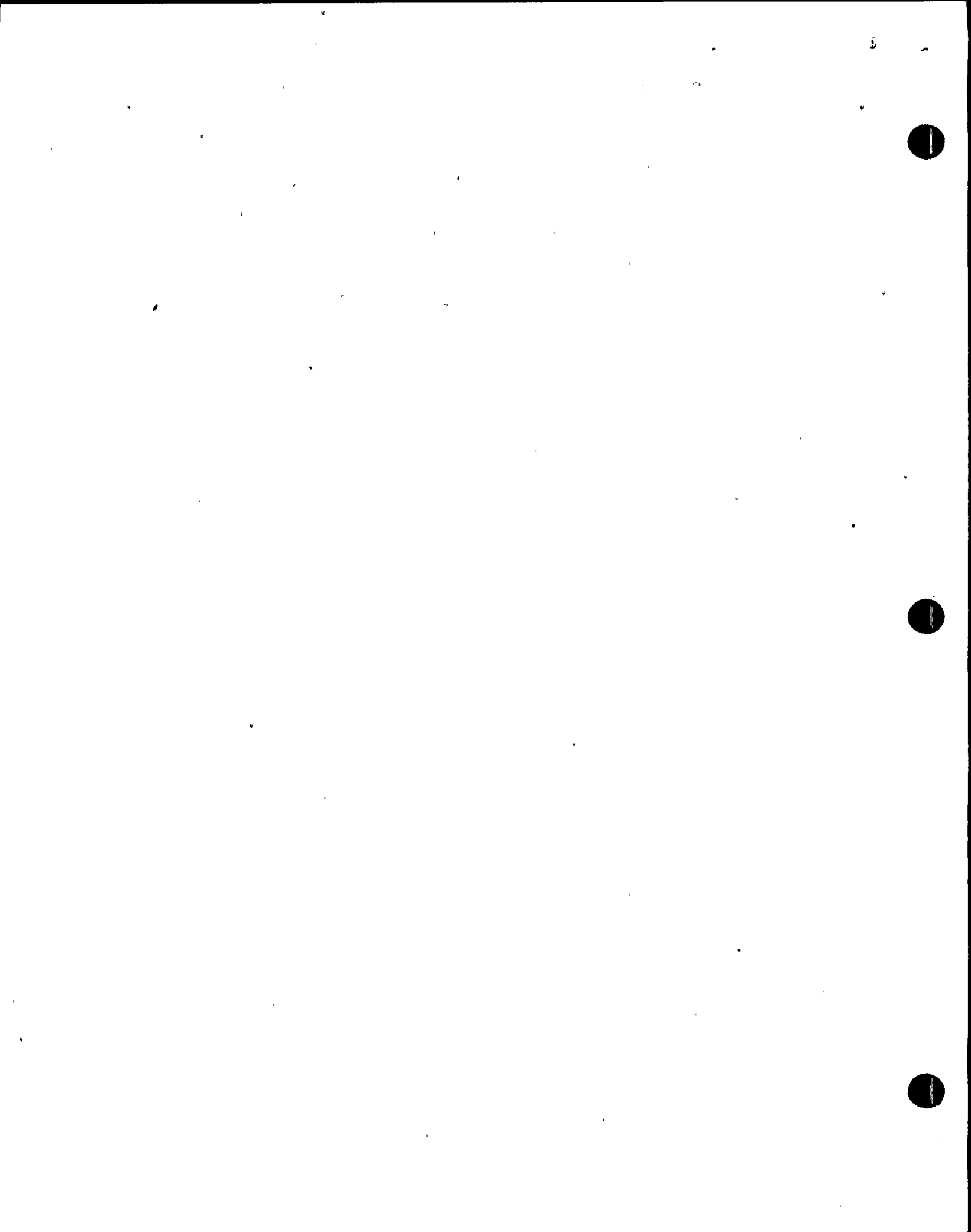
1. LOW-LOW CONDENSATE STORAGE TANK LEVEL.
2. SUSTAINED BUS UNDERVOLTAGE.
3. MOTOR ELECTRIC FAULT.

COMMENTS:

SAT / UNSAT

REFERENCES:

N2-OP-04, REV. 1, 08/86, "CONDENSATE STORAGE AND TRANSFER SYSTEM", SECT. B



QUESTION NUMBER: 02-REQ-SJE-256-2-92-J02

TASK NUMBER: 2569180501
K/A RATING: 256000 A2.14 3.3
Requal TIF:

QUESTION:

WITH CONDENSATE TRANSFER INJECTION ESTABLISHED AND REQUIRED FOR LONG TERM INJECTION, WHAT OPERATOR ACTION AFFECTING THE CONDENSATE STORAGE SYSTEM IS LIKELY TO BE REQUIRED?

ANSWER:

CST FILL FROM AOV123 OR EMERGENCY FILL FROM 2CNS-V151 AS AVAILABLE. (EITHER VALVE IS ACCEPTABLE)

COMMENTS:

SAT / UNSAT

REFERENCES:

N2-OP-04, REV. 1, 08/86, "CONDENSATE STORAGE AND TRANSFER SYSTEM", SECT. F.2, H.1

