

REVIEW TAG SERIES FOR ACCURACY

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K/A REFERENCE: 2.2.13 (3.6/3.8)  
(NUREG-1122)

ALTERNATE PATH JPM \_\_\_\_\_ YES X NO

PERFORMANCE CHECKLIST:

SATISFACTORY - Properly performed critical step(s) and/or in sequence (if applicable)

UNSATISFACTORY - Improperly performed critical step(s) and/or out of sequence (if applicable)

X Procedure adequately addresses task elements.

Enter identifier here: NP 1.9.15, "Tagging Procedure", Rev. 13;  
OI-50, "Charging Pump Isolation", Rev. 9

X Other document adequately describes necessary task elements.

Enter identifier here: 2P-2 Charging Pump Tag Series;  
WEST 685J175 SH2(20);  
MDB 3.2.4

X Task elements described as attached.

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DESIRED MODE OF EVALUATION:

APPLICABLE EVALUATION SETTING:

SIMULATE/WALKTHROUGH \_\_\_\_\_ DISCUSSION \_\_\_\_\_ PERFORM X IN-PLANT \_\_\_\_\_ CONTROL ROOM X

VALIDATED TIME FOR COMPLETION: 20 MINUTES

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EXAMINEE \_\_\_\_\_ EVALUATOR \_\_\_\_\_

START TIME \_\_\_\_\_ FINISH TIME \_\_\_\_\_

PERFORMANCE ☐ SAT ☐ UNSAT

JOB TITLE: ☐ AOT ☒ COT ☐ SRO ☐ STA

**TOOLS/EQUIPMENT/REFERENCES:**

- 2P-2C Danger Tag Series as provided (2 pages)

*(NOTE: References noted on Page 1 of Tag Series Cover Sheet ( description) are available)*

- NP 1.9.15, "Tagging Procedure"
- OI-50, "Charging Pump Isolation"

**TASK STANDARDS:**

Review 2P-2C Charging Pump Tag Series and identify 3 of 4 critical deficiencies.

**SIMULATOR INFORMATION:**

Not applicable.

*NOTE: If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.*

*NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.*

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**READ AND PROVIDE TO THE EXAMINEE**

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**THIS SECTION IS READ ONCE FOR THE ENTIRE PACKAGE OF JPMS. IT IS NOT REQUIRED TO REVIEW THIS SECTION FOR EVERY JPM BEING PERFORMED IN THE PACKAGE. THE INITIAL CONDITIONS AND INITIATING CUE(S)/TASKS TO BE PERFORMED SHOULD BE READ AND THEN PROVIDED TO THE EXAMINEE.**

After I read you the initial conditions and initiating cue(s)/task to be performed for this JPM and provide you a copy of the same, you may review and begin. Once you have completed the task, indicate completion by handing back this form to the evaluator unless otherwise told.

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

For all two and three-way communications, make your report to me, the JPM evaluator. I will reply to your reports with the statement, "acknowledge." All actions in the plant are to be simulated and all actions in the simulator will be performed. Ensure you make it clear to me, the evaluator, of all actions you are taking so that credit may be given for completing each step of the task.

**DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.**

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**INITIAL CONDITIONS:**

- You are a CO assigned to the WCC. Unit 2, 2P-2C Charging Pump needs to be Danger Tagged for seal replacement per OI-50, "Charging Pump Isolation".
- A new Tag Series has been pulled from the Master Database to use as a guide in preparing the Danger Tag Series.
- The plant computer is down and SOMS is unavailable.

**INITIATING CUE(S) / TASK TO BE PERFORMED (SIMULATED):**

You are to review the Tag Series List provided for adequacy.

If the Tag Series is satisfactory then sign as the preparer.

If the Tag Series is NOT adequate then you are to indicate what changes need to be made to correct all deficiencies.

REVIEW TAG SERIES FOR ACCURACY

PERFORMANCE INFORMATION

**NOTE:** *CRITICAL STEPS ARE DENOTED WITH A "Y". FAILURE TO MEET THE STANDARDS FOR THIS ITEM CONSTITUTES FAILURE.*

START TIME	STEP/SEQUENCE/CRITICAL			SAT
	1	1	N	UNSAT

**ELEMENT:** Obtain and review references required to determine tagging series accuracy.

**STANDARD:** As above. References include those mentioned on coversheet of JPM.

**NOTE:** *Steps do not need to be performed in any specific order. Ultimately, the examinee shall identify at least 3 of 4 tagging series critical deficiencies. The examiner should keep the examinee focused on the tag series review using references in the simulator (i.e.: plant walk-down not necessary, review of requesting individual documentation is not necessary, review of specific tags is not necessary, etc.)*

**CUE:** Provide the examinee OI-50, Master Data Book, and any other references upon request.

**COMMENTS:**

	STEP/SEQUENCE/CRITICAL			SAT
	2	2	Y	UNSAT

**ELEMENT:** Determine if specified tag series boundaries are adequate for worker safety and scope of work.

**STANDARD:** As above. Determines following items are in error:

- 1) Incorrect breaker listed. Should be 2B52-28A.
- 2) Incorrect position for 2CV-262C. Should be OPEN.
- 3) Missing valve 2CV-279C, suction to VCT return. 2CV-297C should be shut and should be in sequence before 2CV-262F.

**CUE:**

**COMMENTS:**

	STEP/SEQUENCE/CRITICAL			SAT
	3	3	Y	UNSAT

**ELEMENT:** Determine if specified tags are sequenced in the correct order.

**STANDARD:** As above. Determines that per OI-50, "Charging Pump Isolation," that 2CV-399, charging pump suction is incorrectly sequenced before the discharge valve. It should be sequenced after 2CV-290 and 2CV-291.

**CUE:**

**COMMENTS:**

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PERFORMANCE INFORMATION

**NOTE:** *CRITICAL STEPS ARE DENOTED WITH A "Y". FAILURE TO MEET THE STANDARDS FOR THIS ITEM CONSTITUTES FAILURE.*

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STEP/SEQUENCE/CRITICAL  
4 4 Y

SAT  
UNSAT

**ELEMENT:** Sign, date, and time the prepared by section on the Tag Series Cover Sheet.

**STANDARD:** Should not sign the prepared by section due to discrepancies identified.

**NOTE:** *Once examinee has discussed discrepancies identified, JPM can be terminated.*

**CUE:**

**COMMENTS:**

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**TERMINATION CUE:** THIS COMPLETES THIS JPM.

**COMPLETION TIME:** \_\_\_\_\_

Tag Series Cover Sheet  
Clearance Group: 2000-003  
Tag Series: 2 CV P-2C REV0-0  
Component to be Worked:

Point Beach Nuclear Plant

09/27/2000 08:39

2P-2C

CHARGING PUMP

8/PAB/U2 CHG PUMP RM

**Description:**

References: WEST 685J175 SH2 (20), OI-50, MDB 3.2.4

**Reason / Placement Instructions:**

Seal repair/replacement

**Hazards:**

For Training/ Evaluation Purposes Only-DO NOT HANG

**Completion / Removal Instructions:**

Attribute Description	Attribute Value
Work Week	
ENERGY Release Paths Available	Yes
OM 3.27 (fire prot / app R)	yes
NP 10.1.1 LCO Entry & Tracking	yes
Containment Penetration	no

Number	Description
9927311	2P-2C STEADY STREAM SEAL LEAKAGE P2 REF: RESKD OUTAGE: WO TYPE: C SYSTEM: WO SYS REST RTS: WCC RTS: POST MAINT RTS:

Status	Description	User	Verification Date
prepared	Prepared By		00/00/0000 00:00
approved	SRO Approval By		00/00/0000 00:00
tag placement in progress	DSS/DOS Authorization		00/00/0000 00:00
tags accepted by work group	Tags Accepted By		00/00/0000 00:00
energy verified released	Energy Release Verification By		00/00/0000 00:00
tag removal authorized	DSS/DOS Removal Authorized By		00/00/0000 00:00
all tags removed	Tags Confirmed Removed		00/00/0000 00:00

Tag Series: 2 CV P-2C REV0-0

Tag Serial No.	Tag Type	Equipment Equipment Description Equipment Location	Place. Seq.	Placement Position	Hung By Date/Time	Verified By Date/Time	Rest. Seq.	Restoration Position	Removed By Date/Time	Removal Verified By Date/Time	Tag Notes
	Danger	* 2P-2C-CS * P-2C CHARGING PUMP CONTROL SWITCH * 44/CB/CR 2C-04	1	PULLOUT			8				
	Danger	* 1B52-20A * PWR TO 1P-2C CHARGING PUMP * 26/CB/CSR 1B-04	2	RACKED OUT			7				
	Danger	* 2CV-399 * P-2C CHARGING PUMP SUCTION * 8/PAB/U2 CHG PUMP RM	3	SHUT			6				
	Danger	* 2CV-290 * P-2C CHARGING PUMP DISCHARGE * 8/PAB/U2 CHG PUMP RM	4	SHUT			5				
	Danger	* 2CV-291 * P-2C CHG PUMP DISCH F-39A/B SEAL INJ FLTR INLET * 8/PAB/U2 CHG PUMP RM	5	SHUT			4				
	Danger	* 2CV-262C * P-2C CHG PUMP DISCHARGE HEADER DRAIN FIRST OFF ISOL * 8/PAB/U2 CHG PUMP RM	6	SHUT			3				
	Danger	* 2CV-262F * P-2C CHG PUMP DISCHARGE HEADER DRAIN SECOND OFF ISOL * 8/PAB/U2 CHG PUMP RM	7	OPEN			2				open slowly
	Danger	* 2CV-231C * P-2C CHARGING PUMP SUCTION DRAIN * 8/PAB/U2 CHG PUMP RM	8	OPEN			1				open slowly

Component	Annotations
1B52-20A	VERIFY APPENDIX R FIRE ROUNDS PER OM 3.27.SELECTOR LOCATED IN CUBICLE 17L.
2CV-290	*PACKING SIZE: 1-1/4X2-5/8X9/16
2CV-291	*PACKING SIZE: 1-1/4X2-5/8X9/16
2P-2C-CS	CR NUMBER N064GREEN, WHITE AND RED INDICATING LIGHTS.

Tag Series T( ist  
Clearance Group: 2000-003

7/2000 08:43

Tag Series: 2 CV P-2C REV0-0

Component	Print Number
1B52-20A	499B466 SH 316A
2CV-231C	WEST 685J175
2CV-262C	WEST 685J175 SH 2
2CV-262F	WEST 685J175 SH 2
2CV-290	WEST 685J175
2CV-291	WEST 685J175
2CV-399	WEST 685J175