Identify the Isolation Boundaries for a Clearance to Replace a Pump Impeller

Job Position(s): ☒ RO ☐ SRO

Source: ☐ New ☐ Bank ☒ Modified JP-OP-802-4101-418
(Facility ID No. for Bank or Modified)

K/A Reference: 2.2.15, Ability to determine the expected plant configuration using design and configuration control documentation, such as drawings, line-up, tag-outs, etc.

Method of testing: ☒ Simulated/Walk-thru Performance [Classroom/Plant]

☐ Actual Performance [Simulator/Lab]

Type: (Check all that apply)

☒ Administrative Topics ☐ Control Room Systems ☐ In-Plant Systems
☐ Alternate Path ☐ Emergency/Abnormal ☐ ESF
☐ Low-Power/Shutdown ☐ Time Critical

Task Standard: Determines the limits of protection necessary and proper tag locations required to protect all aspects of the work.

Validation Time: 20 Minutes

Simulator Setup: NONE

Required Materials:

Mechanical Piping Diagram

Electrical Diagram

General References:

MOP12, Tagging and Protective Barrier System

Initial Conditions:

A clearance has been requested to permit replacement of the East Stator Water Cooling Pump impeller.

The E-Tagging system is not available.

Initiating Cue:

In preparation for initiating a Safety Tagging Record (STR) to replace the impeller on the East Stator Water Cooling Pump, determine the limits of protection necessary and proper tag locations required to protect all aspects of the work order.

Performance Information

Critical Steps are annotated by **"c"** and italicized text.

	ELEMENTS	STANDARDS
	EVALUATOR PROMPT Provide the applicant with a blank Safety Tagging Record to document his findings. The applicant is not being graded on completion of the form, only that he identifies the required boundaries and tag locations.	
	1. Refers to the associated electrical drawing and identifies the following isolation boundaries as a minimum: Power Supply Breaker	Identifies electrical isolation boundaries.
c	*2. Identifies the proper tag location for each of the components identified in the previous step.* • *Bus 72A Pos 4C, "N3033C047 East Stator Water Cooling Pump" breaker in the "disconnect position; RED TAG*	*Identifies proper tag locations.*
	3. Refers to the associated mechanical drawing and identifies the following isolation boundaries as a minimum: Suction Valve Discharge Valve Vent Drain	Identifies mechanical isolation boundaries.

	ELEMENTS	STANDARDS
c	*4. Identifies the proper tag location for each of the components identified in the previous step.* • *N3000F070A, "East Stator Water Cooling Pump Discharge Isolation Valve"; RED TAG CLOSED* • *N3000F089A, , "East Stator Water Cooling Pump Suction Isolation Valve"; RED TAG CLOSED* • *N3000F067A, , "East Stator Water Cooling Pump Drain Valve"; RED TAG OPEN* • *N3000F907A, , "East Stator Water Cooling Pump Vent Valve"; RED TAG OPEN*	*Identifies proper tag locations.*

Terminating cue: The JPM may be terminated when the applicant provides the necessary information.

EXAMINEE CUE SHEET

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