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**NAVY PUBLIC WORKS CENTER
NORFOLK, VIRGINIA
UTILITIES DEPARTMENT**

STANDARD OPERATING PROCEDURE / JOB HAZARD ANALYSIS

TITLE
PERFORM HIGH VOLTAGE INSULATING GLOVE
TESTING

PROCEDURE NUMBER
WC 622 HVE 030

SIGNED: _____
(DATE)

APPROVED: _____
(DATE)

SAFETY PROFESSIONAL: _____
(DATE)

MANAGEMENT OFFICIAL: _____
(DATE)

REVISION

A

WC 622 HVE 030

PERFORM HIGH VOLTAGE INSULATING GLOVE TESTING

Purpose:

Procedure to test electrical rubber insulating gloves.

Potential Energy Sources:

1. 208Y120 power to glove test machine, and washing machine.

Tools and PPE:

Tools: Ink, ink pad, stamp, washing machine, glove test machine, drying tree. PPE: Safety shoes, back brace if required by Back Injury Prevention and Control program.

References:

1. PWC Occupational Safety and Health Program Manual, PWCNORVAINST 5100.33E
2. Occupational Safety and Health Standards for General Industry (29 CFR PART 1910): Subpart I, Personnel Protective Equipment
3. ASTM D120-87, Specification for Rubber Insulating Gloves
4. ASTM F496-93b, Specifications for In-Service Care Of Insulating Gloves And Sleeves

Procedures:

1. Collect rubber gloves from work centers 622, 623, 624, 625, 627, 559, and 597. Enter glove number in Glove Test Log. This log is located in the glove test locker.
2. Using soap and a rag, remove old test date on the gloves.
3. Place gloves in washing machine and wash on cold wash setting. Use one fluid oz. of special rubber goods soap or Ivory snow to clean the gloves.
4. Upon completion of washing, remove the gloves from the washing machine and place them on drying tree #1.
5. Using the chart mounted on the glove tester, set the glove test machine's voltage and MA bleed-off to failure rate. The setting will be based on the glove class being tested.
6. Turn on power to glove tester.
7. Push the start button to fill the glove tester tank with water to the overflow drain located on the tank front. Tank will hold approximately 100 gallons. The electrode sensors must be down to the top of the frame or interlocks will prevent water from entering the tank.
8. Using push pins set the glove test height in the tank as per the level indicated by the chart located on the left side of the tester.
9. Remove dry gloves from drying tree #1 and place on tester as per their entry order in the Glove Test Log.

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10. Place gloves in test position using insulated clips. Ensure that the electrode and filler tube are inside the glove.
11. Press start button. Ensure that all gloves are being filled with water. When all the gloves are filled with water, the tester door will close and the test voltage will rise to full test voltage at which time the timer will start.
12. The test will run for three(3) minutes. Record in the Glove Test Log the milli-amp bleed off of each glove.
13. Remove all gloves which failed the test. Empty their water into the tank and destroy the glove by cutting a finger(s) off with scissors.
14. Remove all gloves which passed the test. Empty their water into the tester tank and place them on drying tree #2.
15. Repeat steps 8 to 13 till all gloves are tested.
16. When tested gloves are dry, remove from the drying tree and place them on a linen covered work bench.
17. Using the Glove Test Log, enter all information, in duplicate, on form PWCNORVA 5100/6(Rev. 10/88).
18. Set date stamp to next test date and stamp the rubber gloves. When the ink is dry, bag or box the gloves by work center.
19. Turn in form PWCNORVA 5100/6(Rev. 10/88) to Code 622.1 for approval and signature. Place original copy with the gloves and file the second.
20. Inform the work centers to come and pick up the tested gloves.

END