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

**STANDARD OPERATING PROCEDURE / JOB HAZARD ANALYSIS**

**TITLE**  
**OPERATION OF SHORE POWER**  
**BREAKERS FROM THE TURTLEBACK**

**PROCEDURE NUMBER**  
**623 ELE 12**

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**SIGNED:** \_\_\_\_\_

**(DATE)**

**APPROVED:** \_\_\_\_\_

**(DATE)**

**SAFETY PROFESSIONAL:** \_\_\_\_\_

**(DATE)**

**MANAGEMENT OFFICIAL:** \_\_\_\_\_

**(DATE)**

REVISION

**B**





## OPERATION OF SHORE POWER BREAKERS FROM THE TURTLEBACK

**Purpose:**

PWC SOP for bypassing microswitches to test shore power breakers from the turtleback.

**Potential Energy Sources:**

Turtleback 480 volts.

**B> Tools and PPE:**

Leather work gloves, electrical safety shoes, hard hat, Nomex coveralls, face shield, 1000 volt insulated screwdriver, voltmeter.

**References:**

1. PWC safety manual.
2. OSHA 1910.333 safe work practices.

**Procedure:**

1. Check to see if turtleback light indicates the breaker to be closed is open.
  2. Open receptacle cover and check all phases with a voltmeter to ensure breaker is open.
  - B> 3. Use a 1000 VOLT INSULATED SCREWDRIVER size 3/16" or larger to wedge the receptacle microswitch lever out. Wear work gloves.
  - B> 4. Close breaker with key operator. **Note: if the remote operators are located at the receptacles wear all PPE and try to stand clear of receptacle.**
  5. Test voltages with a voltmeter.
- \*\* After testing complete\*\***
- B> 1. Open breaker from the turtleback operator. **Note: if the remote operators are located at the receptacles wear all PPE and try to stand clear of receptacle.**
  2. Test all phases of the receptacle with a voltmeter to ensure breaker is open.
  - B> 3. Remove screwdriver and close receptacle cover. Wear work gloves.