

DISCLAIMER: These Standard Operating Procedures (SOP's) are for the exclusive use of Navy Public Works Center (PWC) Norfolk. They are promulgated as guidance for their NAVFAC Commands. If intended to be used by other activities, they must be tailored to each activity's particular requirements and must be reviewed/approved by the activity's safety professionals prior to use.

SOP FOR 4160 SHIP DISCONNECT

Purpose:

PWC NAS 4160 ship disconnect SOP.

Potential Energy sources:

4160 cable, 4160 ship, 4160 breaker, exposed 11.5 kv overhead bus at pier 11 substation, DC control power, AC low voltage.

Tools and PPE:

Spanner wrench, red tags, safety shoes and glasses, Nomex hoods and coveralls, class 2 and work gloves, hard hats.

References:

1. Pwc HV lockout/tagout procedures.
2. NFPA table A for approach distances.
3. Occupational Health and Safety act, 1978 table 2.
4. SOP for PWC Switching Or Breaker Operation.

Procedures:

"Nomex Coveralls and HV safety shoes shall be worn throughout this procedure."

During each step fill out necessary information on the 4160 Ship Connect/Disconnect form.

1. Contact ships electrical officer or higher ranking ship representative.
2. Verify with ship's representative that ship has opened shore to ship breakers.
3. Follow SOP for PWC Switching Or Breaker Operation and open, lock, and red tag all 4160 breakers feeding ship. Note, ships representative shall not be allowed into the sub station fenced compound during switching. **See Note**
4. Verify with ships electrician that PWC 4160 breakers are open, locked, and tagged.
Note: The ship will now ground and then disconnect 4160 cable from the carrier.
5. Verify with ships representative that cable has been grounded and disconnected.

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6. Lower the cable to pier. Wear a hard hat and work gloves.
7. Disconnect cable from the receptacle and replace receptacle cover and lock. Follow proper lifting techniques and wear work gloves.