



LESSONS LEARNED

In-house UV Exposure, PWD Panama City, Flash Burn/UV Skin Burn, Bldg 354



UV Light Shown on Pressure Sensor Switch



Internal live Parts One of three labels



AHU Disconnect Type Bulb

Location: Naval Support Activity Panama City FL, Bldg 608 UV Flash Burns to eyes (two employees) and UV Skin Burn to (one employee) at same work site.

Employees: HVAC Technician and High Voltage Electrician.

Mishap Description: While changing out 6 high intensity UV-C light bulbs in an HVAC plenum two employees (One inside the plenum and one at the door) were overexposed to high intensity UV-C light to the HVAC technician's skin and both employees eyes while testing the system at the remote door pressure sensor switch.

Injury: Flash burn to both employee's eyes and 1st degree skin burns to face, neck, and arms of the HVAC Technician.

Direct Cause: High intensity UV-C exposure to unprotected body parts.

Root Cause: Employees failed to follow written procedures (Local JHA missing high intensity UV-C protection requirements,) manufacturer warning labels present, and deploy proper PPE per manufacturer's recommendations to protect against high intensity UV-C hazards.

Lessons Learned: Follow NAVFAC SE SOP's, PWD PC JHA's (once updated), and manufacturer's written procedures. Deploy proper PPE at the worker level per training and warning signs posted. If written procedures do not meet work performance requirements stop work and affect change to prevent injury or illness. Follow the principles of ORM.

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