

December 2020

DESCRIPTION

- Site to replace fuse assembly on 400V system
- Incinerator back-up fan connected to generator
- Incinerator switched to back-up fan and in idle mode
- External power breaker de-energized and locked out (incorrectly)
- Emergency power breaker de-energized and locked out (incorrectly)
- Fuse assembly verified as de-energized & repair work started
- External power breaker automatically re-energizes (as designed)
- Electricians notice VLT to incinerator main fan powering up & conclude VLT fed from another source, as fuse assembly verified as de-energized
- Repair work continued, screwdriver touched both phases causing an arc flash which burned on electrician's nose and cheeks
- External power breaker arc flash protection tripped and de-energized system

CAUSE OF EVENT

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LESSONS LEARNT/GOOD PRACTICE

- Replaced breaker with update style which could NOT be locked out incorrectly
- Prepare an implement ESIP for breaker
- Clearly labeled breakers regarding hazard of "auto re-energization"