

(FILL OUT IN TRIPLICATE)

TO OSH OFFICE. CODE 106

EMPLOYEE NAME: B. Douglas, General Foreman Electrician  
BADGE NO.: 231546  
SHOP/ CODE: 951/950

LOCATION (SHOP/ CODE/ SHIP/ BUILDING/ AREA): Building 225, Plating Shop  
EXTENSION: 2108

HAS THE SUPERVISOR/ CONTACT BEEN NOTIFIED: YES  NO  N/A  
IF YES, WHEN:

NAME OF SUPERVISOR/ CONTACT: R. Brooks, Supervisor  
EXTENSION: 2108

HAS THIS CONDITION BEEN PREVIOUSLY INVESTIGATED: YES  NO  N/A

IF SO, BY WHOM: 106.1  106.2  NRMCO  UNKNOWN  OTHER  SPECIFY

DO YOU WANT YOUR NAME REVEALED: YES  NO

ACTION REQUESTED, INCLUDING A DESCRIPTION OF THE UNSAFE/ UNHEALTHFUL CONDITION, WORK PROCEDURES, AND CHEMICALS USED (IF ANY)

1. NAVMAT P-5100, chapter 9 Metal Working Section, article 0964, paragraph 8 requires electroplating Shop personnel shall have a thorough knowledge of first aid treatment applicable to electroplating operations. Hazards may be but are not limited to:

- A. Heat burns from hot electrical conductors, hot wax, hot fluids, hot steam lines.
- B. Burns from dry or wet electrical chemicals, caustics, acids and solutions.
- C. Breathing restriction or termination due to oxidizing, inerting, vaporizing and other chemical reactions from electroplating operations.
- D. Epidermal absorption from direct, indirect or airborne plating operations materials.
- E. Explosive normal or abnormal mixture of plating materials.
- F. Flammable normal or abnormal static or mixtures of plating materials.
- G. Absorption of plating materials into open skin injuries.
- H. Direct, indirect or fume hazards to eyes and mucous membranes.

- I. Electrical shock hazards from
  - 1. Electric current flow between unisolated tanks, piping and equipment
  - 2. Power supplies, generators, switchboards leaking voltages or inadequate grounding due to insulation and ground paths destroyed by corrosive atmosphere.
- J. The effects of standard firefighting equipment (CO<sup>2</sup>) in building 225 around plating compounds and chemicals.

2. Action required: Investigate each element above, develop first aid plans for each condition with each chemical and compound, incorporate into a training plan with Code 180 for training of electroplating personnel.

Don't abandon the Shop to figure it out themselves as they have for 67 years.

SIGNATURE: B. Douglas  
DATE: 3/11/83