BIOHAZARDOUS EXPOSURE & SPILLS

INFORM NEARBY INDIVIDUALS OF SPILL. EVACUATE IMMEDIATE AREA & ASK FOR HELP, AS NECESSARY.

CALL 911 AND CALL CAMPUS SECURITY X33333

ADMINISTER FIRST AID:
- MAJOR INJURIES OR SEVERE ALLERGIC REACTIONS?
  - YES
    - ADMINISTER FIRST AID
    - GO TO (2)
  - NO

(2) EYE, SKIN, BODY EXPOSURE?
- YES
  - ADMINISTER FIRST AID:
    - EYES: USE NEAREST EYEWASH STATION, FLUSH 15 MINUTES
    - SKIN AND/OR NEEDLESTICK: WASH WITH SOAP AND WATER & FLUSH 15 MINUTES, FOR PUNCTURES, SQUEEZE BLOOD TO FLOW OUT, WASH WITH SOAP & WATER, COVER WOUND WITH DRESSING/BAND AID
    - SEEK MEDICAL ATTENTION AS NECESSARY, OR CONTACT DOHS (x55491) FOR ADVICE
    - SUPERVISOR TO COMPLETE A STUDENT OR WORKER ACCIDENT REPORT
  - NO

(3) SPILL inside BSC*?
- YES
  - KEEP BSC RUNNING
  - PUT ON CLEAN LAB COAT AND GLOVES
  - COVER SPILL WITH ABSORBENT MATERIAL (e.g. paper towels) AND POUR DISINFECTANT (e.g. 10% bleach) FROM THE OUTSIDE TO CENTER OF SPILL & ALLOW CONTACT FOR 30 MINUTES (or follow manufacturer’s directions)
  - COLLECT INTO WASTE BAG
  - REMOVE RESIDUAL BLEACH (soap & water)
  - DRAIN DISINFECTANT
  - DISINFECTED WASTE MAY BE DISPOSED WITH REGULAR WASTE
  - DISINFECT ENTIRE HOOD AND ALL ITEMS BEFORE REMOVAL (e.g. 70% ethanol)
- NO

(4) SPILL in a centrifuge?
- YES
  - MINIMIZE INHALATION (hold breath until at a safe distance) GO TO CLEAN ZONE, PREVENT SPREADING (REMOVE LABCLOTH, OR ANY CONTAMINATED CLOTHING)
  - CORDON OFF THE SPILL ZONE AND WAIT FOR SPILL AREOSOLS TO DISSIPATE (~30 minutes) BEFORE RE-ENTRY. CLEAN SPILLS IN HALLWAYS IMMEDIATELY
  - PUT ON PERSONAL PROTECTIVE EQUIPMENT (labcoat, gloves, face mask/respirator if required)
  - COVER THE SPILL WITH ABSORBENT MATERIAL (e.g. paper towel)
  - TREATMENT AFTER CLEANUP: TRANSFER ABSORBED SPILL MATERIALS TO AUTOCLAVE BAG FOR AUTOCLAVING, WIPE DOWN SPILL AREA WITH APPROPRIATE DISINFECTANT
  - VACATE THE ROOM IF BLEACH TUMES ARE STRONG AND ALLOW SMELL TO DISSIPATE BEFORE RESUMING REGULAR WORK!!
  - KEEP LID CLOSED, TURN OFF, ALLOW AEROSOLS TO SETTLE (~1hr)
  - PUT ON CLEAN LAB COAT AND GLOVES
  - REMOVE ANY BROKEN GLASS WITH FORCEPS AND PLACE INTO SHARPS CONTAINER
  - REMOVE SAMPLES & WASTE DEBRIS, DISINFECT CONTAMINATED OUTER SURFACES (i.e. any salvaged sample containers)
  - DISINFECT WASTE DEBRIS BEFORE DISPOSAL
  - REMOVE AND DISINFECT ROTOR (if possible) & DISINFECT INSIDE OF CENTRIFUGE
- NO

(5) SPILL in open area?
- YES
  - KEEP BSC RUNNING
  - PUT ON CLEAN LAB COAT AND GLOVES
  - COVER SPILL WITH ABSORBENT MATERIAL (e.g. paper towels) AND POUR DISINFECTANT (e.g.10%bleach) FROM THE OUTSIDE TO CENTER OF SPILL & ALLOW CONTACT FOR 30 MINUTES (or follow manufacturer’s directions)
  - COLLECT INTO WASTE BAG
  - REMOVE RESIDUAL BLEACH (soap & water)
  - DRAIN DISINFECTANT
  - DISINFECTED WASTE MAY BE DISPOSED WITH REGULAR WASTE
  - DISINFECT ENTIRE HOOD AND ALL ITEMS BEFORE REMOVAL (e.g. 70% ethanol)
- NO

* BSC: Biological Safety Cabinet

IN ALL CASES:
1. NOTIFY THE SUPERVISOR/PERMIT HOLDER
2. CONTACT BIOSAFETY OFFICER, x55491
3. POST A “BIOLOGICAL SPILL CLEAN-UP IN PROGRESS” SIGN UNTIL AREA CLEAN AND DISINFECTED
4. DISINFECT CONTAMINATED CLOTHING (e.g. soak in 10% bleach, 30 minutes OR autoclave) BEFORE WASHING

Prepared by: Biosafety Officer, Department of Occupational Health and Safety
Revised February 2012