

ECHCS DECONTAMINATION





OBJECTIVES

- Describe the DECON procedure
- Describe proper disposal procedures for contaminated clothing and run-off
- Discuss application of relevant SOP

WHY DECON?



To prevent secondary contamination

**To prevent escalation of the
problem**



What is DECONTAMINATION

**The removal or neutralizing of
contaminants from people or
equipment.**



TYPES OF DECON

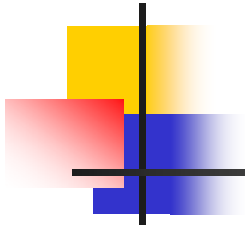
PRIMARY/GROSS

SECONDARY

TERTIARY

EMERGENCY

Who does DECON?

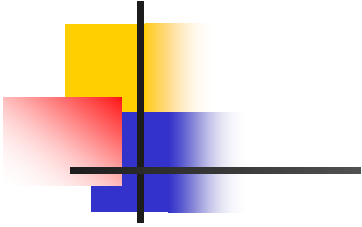


- Only trained staff, e.g.,
 - Hazardous Materials Awareness/Operations Level Hospital Decontamination Staff
- How to DECON: No absolute methods. Only general guidelines.



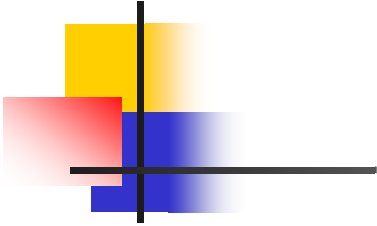
DECON

- **Physical removal of contaminant**
- **Chemical Removal of contaminant**
- **Emergency DECON**



DECON

- Reduce the spread of contamination from the area, and
- Prevent contact with contaminated materials, e.g. **cross contamination**



DECONTAMINATION PLAN SHOULD PROVIDE FOR:

- **Proper Level of Decontamination**
- **Suitable Location**
- **Decontamination**
- **Worker Safety**

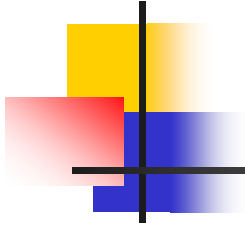


PERFORMING DECON

- Procedures: Follow order in sequence
- Go from Dirty to Clean
- Check your plan



EMERGENCY DECON



- Anytime you suspect a contaminant





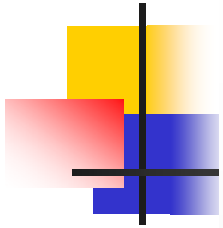
Decon Plan should provide for:

- **Disposal of Contaminated materials**
- **Emergency DECON**



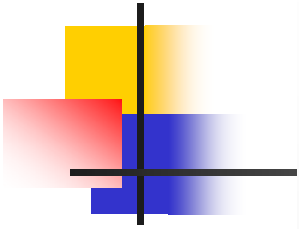
Emergency DECON

- Use copious amounts of water
- Remove all clothing
- Medical Treatment
- Provide for Privacy
- Segregate by gender



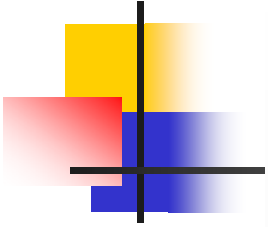
DECONTAMINATION PROCEDURES

- **Assume Personnel Grossly Contaminated**
- **Determine Level of Protection and Specific Equipment to be Worn**



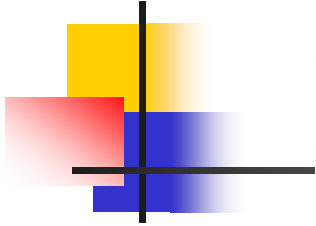
DECONTAMINATION PROCEDURES

GROSS DECONTAMINATION
Remove Clothing Starting with
the Most Heavily Contaminated,
Ending with the Least
Contaminated



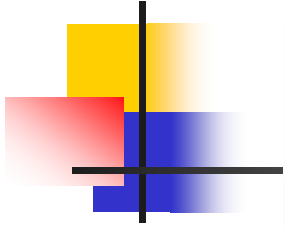
DECONTAMINATION **PROCEDURES**

- **Separate Each Operation**
3-5 ft. if possible
- **Adapt Original Decon Plan**
to Actual Working
Conditions



DECONTAMINATION DETERMINE LEVEL OF PROTECTION BY :

**Contaminant
Toxicity
Concentrations**



DECONTAMINATION
DETERMINE
LEVEL OF PROTECTION BY :

Monitoring Equipment

Results of Swipe Tests

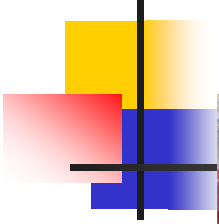
Tickets

Tubes



MASS CASUALTY DECON

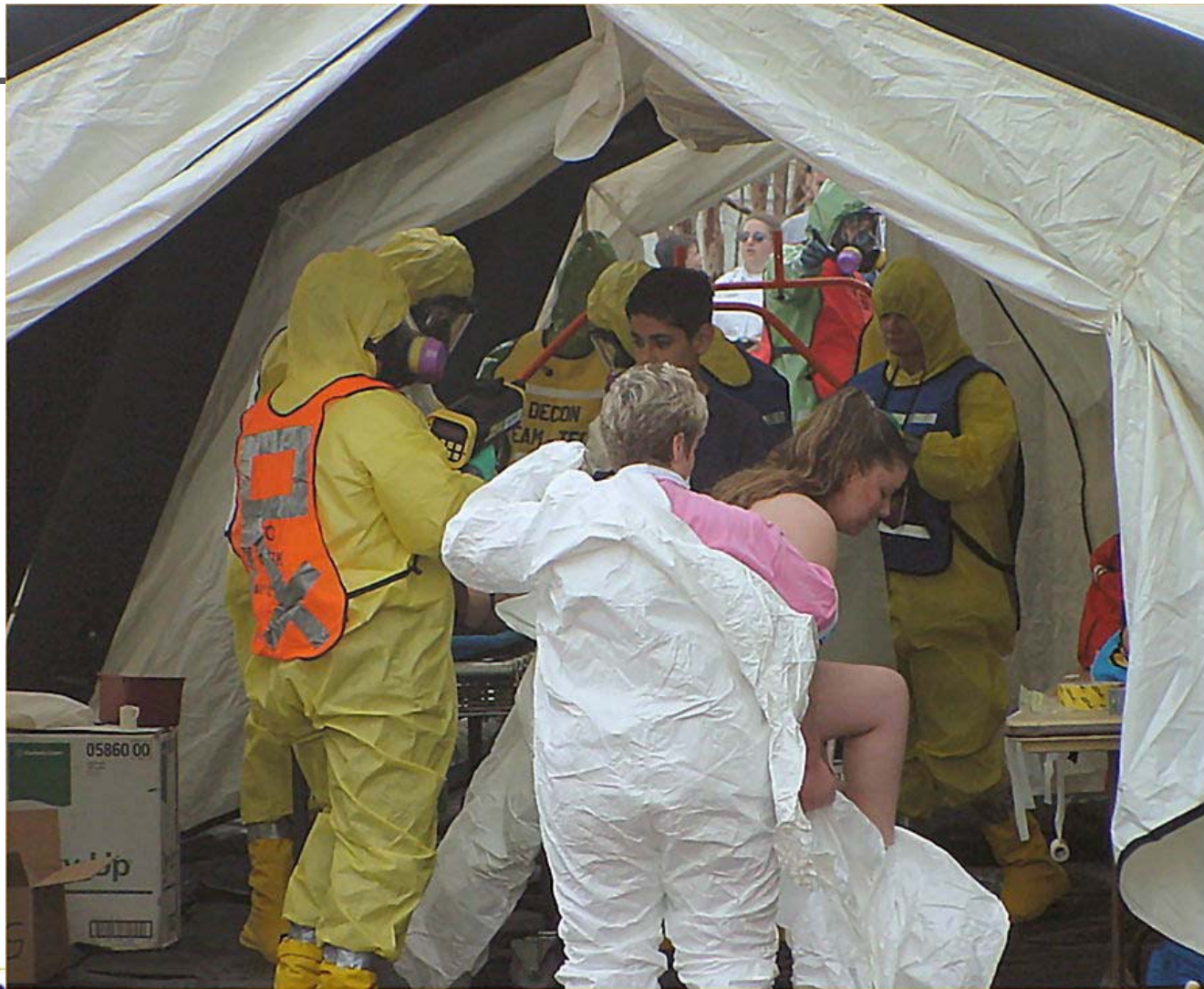
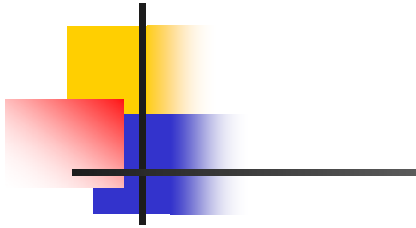
- Normally done by the Fire Dept.
- Water Curtains/deluge showers

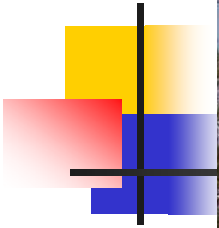




HOSPITAL BASED

- **MASS DECON**





ECHCS PATIENT DECON AREA SET-UP DIAGRAM FOR BUILDING 1

