GENERAL SAFETY

2017

ENVIRONMENTAL HEALTH & SAFETY (EH&S)
Agenda

• Introduction
• Compliance
• Academic EH&S Risk Exposures
• PCC EH&S Programs
• Resources
• What’s Next?
Introduction

Environmental, Health & Safety

Public Safety

Risk Services

EH&S

Cheryl Arpan, EH&S Manager - September 2017
Introduction – Course Objectives

What will I take away from this class?
- Specifics on PCC safety programs.
- Knowledge of my roles/responsibilities for environmental & safety matters.
- Informed of the types, frequency and severity of incidents occurring at PCC.
- What I should do in case of an emergency.
- Learn of valuable resources that are available to assist me with safety and environmental matters.
Introduction – Why am I Here?

PCC Safety culture
PCC Board Policy B507: PCC’s overall commitment to provide a safe, healthful environment for its employees, students & visitors; also addresses environmentally-respectful practices. EH&S maintains the role and responsibilities of this commitment.
Compliance

OSHA
Management commitment and accountability to safety
Employee involvement
Employee safety training
Safety audits/inspections
Safety committees
Accident reporting and investigation
Personal protective equipment
Industrial hygiene services
Ergonomics

DEQ/EPA
Environmental programs for wastes, stormwater protection, air and water pollution

Other: NFPA
# Academic Environmental, Safety & Health Risk Exposures

## Incidents/Accidents Category Types (Campus Specific, Districtwide and/or Region)

### Who takes the lead?

<table>
<thead>
<tr>
<th>Category</th>
<th>EH&amp;S</th>
<th>Public Safety</th>
<th>Risk Services</th>
<th>Other</th>
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</thead>
<tbody>
<tr>
<td>Injury/Illness</td>
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<td>1</td>
<td>2</td>
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<tr>
<td>Active Threats</td>
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<td>Fire</td>
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<tr>
<td>Environmental</td>
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<td>Natural Disaster</td>
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</tbody>
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Cheryl Arpan, EH&S Manager - September 2017
Incidents/Accidents - Roles

Public Safety – Campus Communications

Public Safety Dispatch (4444 or 971-722-4444)
911
Emergency Response
Building Emergency Coordinators – Floor Monitors
Incidents/Accidents - Roles

Risk Services

Accident/Incident reporting, investigation, insurance coverage, ergonomics and third party subrogation.

Mission is to protecting the assets and other financial resources of the College against the adverse impact of catastrophic loss and to preserve the assets and service capabilities of the College from unplanned depletion or destruction.
Incidents/Accidents - Roles

EH&S – Prevention of incidents & accidents involving all risk sources
What are PCC’s leading risk exposures for incidents/accidents?
Academic Environmental, Safety & Health Risk Exposures

Incident/Accident Sources
- Distracted Walking
- Driving
- Ergonomics
- Operations/Equipment (Ex: Noise)
- Construction
- Labs/Shops/Studios
  - Sharps
  - Chemicals
- Chemical/Waste Handling & Disposal
- Nature
Incidents/Accidents: Category - Injury/Illness

Historical Injuries by Source Type

- Slip/Trip/Fall
- Puncture
- Laceration
- Strain/Overexertion
- Repetitive Motion
- Stuck
- Chemical
- Other

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Incidents/Accidents : Category – Active Threats

Active Threats – Separate Public Safety Training
Emergency Notification System
Incidents/Accidents: Category - Fire

Fire Extinguisher Types – ABC

Fire Extinguisher Use – PASS
Incidents/Accidents: Category – Fire, et al

Evacuation

Safe Assembly Area (SAA): is a designated safe area outside of a building for the assembly of the building’s occupants during an evacuation

Evacuation Assistance Area (EAA): is a gathering area for individuals who need assistance with evacuation
Incidents/Accidents: Category - Environmental

Air – Indoor Air Quality
Water – Quality (lead), Stormwater
Soil – Contamination, Pest Control

Hazardous Waste
Waste Streams
Proper Disposal Methods
Storage Locations
Incidents/Accidents: Category – Natural Disasters

Earthquake
Windstorms
Snow/ice Storms
Flooding
Volcanic
Incidents/Accidents: Sources - Construction

Be aware
Stay out!
Reporting
Incidents/Accidents: Sources - Driving

Types of Vehicles
Personal Vehicles
Incidents/Accidents
Driver Review Board
Incident/Accident: Sources – Distracted Walking

Rising Risk
U.S. injuries per year involving distracted pedestrians using cellphones, based on the Consumer Product Safety Commission’s sampling of emergency room visits

Source: Consumer Product Safety Commission / WSJ Research | WSJ.com
Incident/Accident: Sources – Distracted Walking

Slips – Walking Surfaces, Stairs, Footwear
Trips - Obstructions
Falls – Ladders, Heights
Incident/Accident: Sources - Ergonomics

Manual Material Handling
Lifting
Carrying
Pushing/Pulling
Bending
Reaching

Office
Workstations
Environment
Incident/Accident: Sources – Operations/Equipment

Potential Exposure
Chemical and Materials
Biological and Physical
Indoor Air Quality
Noise/Hearing
Respiratory/Confined Space

Prevention
Engineering Controls
Administrative Controls
Personal Protective Equipment
Incident/Accident: Sources – Labs/Shops/Studios

Bloodborne Pathogen Risks

Chemical Risks
Personal Protective Equipment Usage

Spills

Fire
Incident/Accident: Sources – Labs/Shops/Studios

Bloodborne Pathogen Risks

Chemical Risks
  Eyewash Stations/Showers
  Fire Extinguishers
EH&S Programs, Policies & Procedures

General Safety – Training, Record Keeping
Safety Committees
Bloodborne Pathogens
Confined Space Entry
Electrical
Hazard Communications
Chemical Hygiene
Hazardous Energy (Electrical)
Noise & Hearing Conservation
Personal Protective Equipment
Asbestos, Lead, & Metals
Forklift & Industrial Vehicle
Driver/Vehicle
Mechanical Hazards
Industrial Hygiene & Indoor Air Quality
Welding
Respiratory Protection
Contractor Hazards

Cheryl Arpan, EH&S Manager - September 2017
Resources

Safety Committees
On-Line
Service Request Process
Public Safety
Risk Services
What’s Next?

For EH&S Department
  Fill vacant position
  District-wide Sharps program
  On-line training resources
  Annual water testing
  Hazardous Waste Management Program

For you
  Commitment to safety
  Engagement in safety programs & activities
  Access resources/remain knowledgeable

QUESTIONS??

Cheryl Arpan, EH&S Manager - September 2017
EH&S and YOU!

How they fit together District-wide

Cheryl Arpan, EH&S Manager - August 25, 2017
Cheryl Arpan, EH&S Manager - September 2017
Questions/Answers

Time to test your knowledge!