

# 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



# 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.

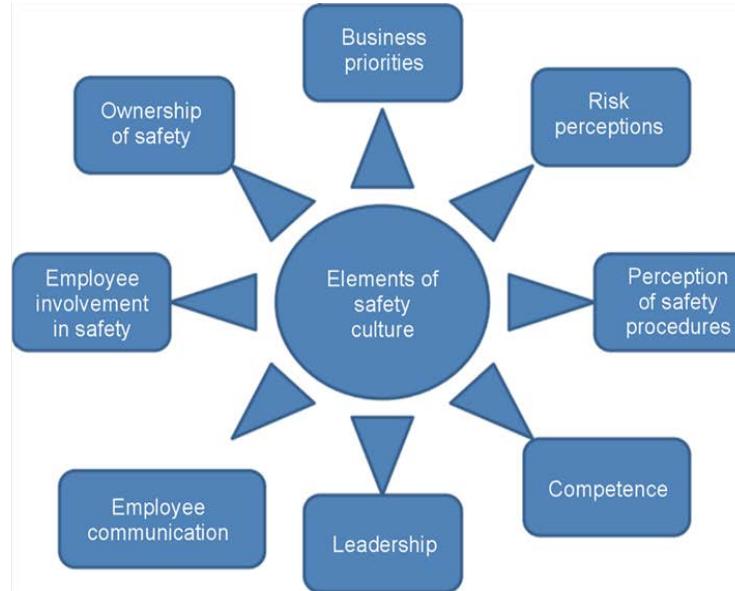
What I should do in case of an emergency.

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

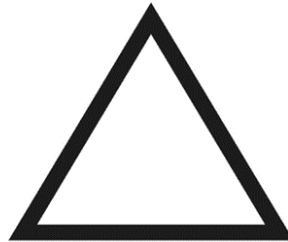


# Academic Environmental, Safety & Health Risk Exposures

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

Who takes the lead?

	EH&S	Public Safety	Risk Services	Other
Injury/Illness	3	1	2	
Active Threats		1	2	
Fire				1
Environmental	1			
Natural Disaster				1



# Incidents/Accidents - Roles

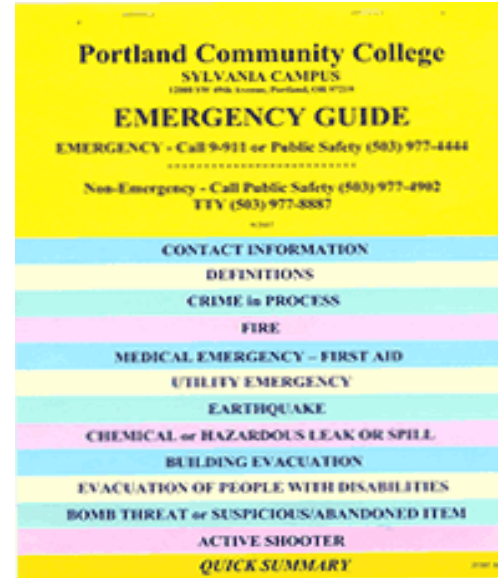
## Public Safety – Campus Communications

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



# Academic Environmental, Safety & Health Risk Exposures

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

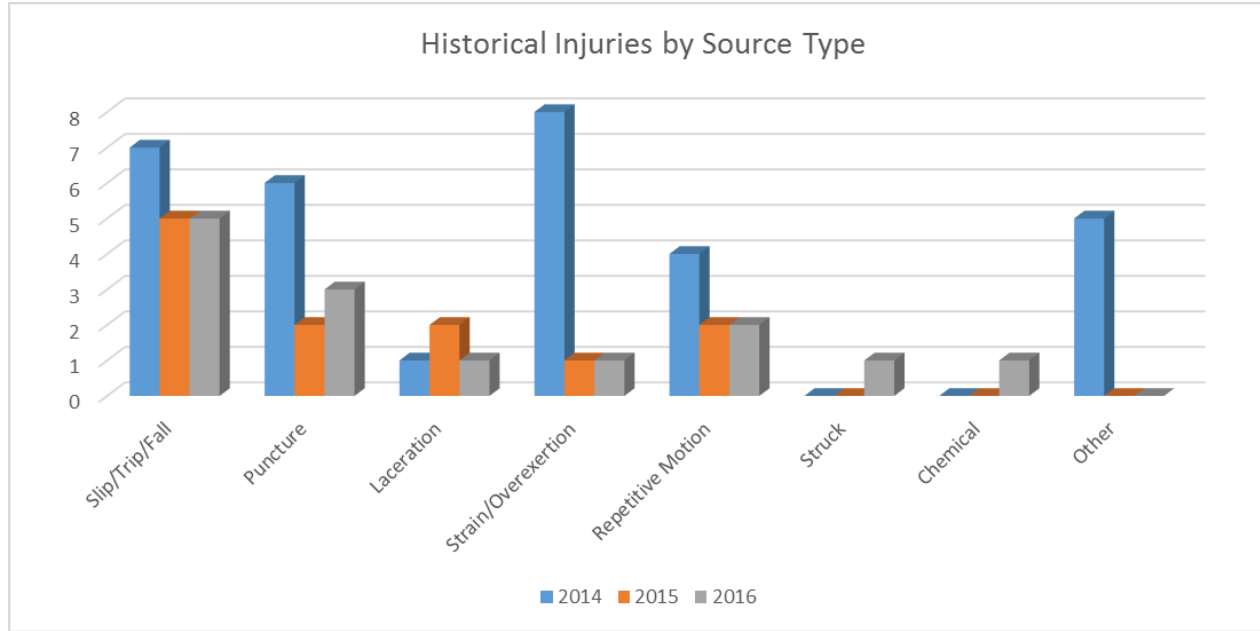
Chemicals

Chemical/Waste Handling & Disposal

Nature

# Incidents/Accidents : Category - Injury/Illness

## PCC Trends



# Incidents/Accidents : Category – Active Threats

Active Threats – Separate Public Safety Training  
Emergency Notification System

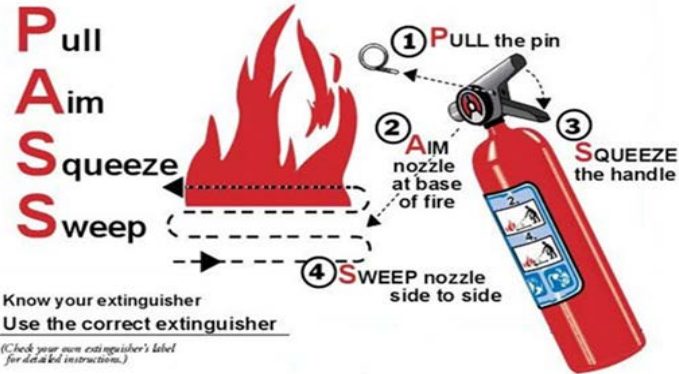


# Incidents/Accidents: Category - Fire

## Fire Extinguisher Types – ABC

## Fire Extinguisher Use – PASS

To operate an extinguisher:



# 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

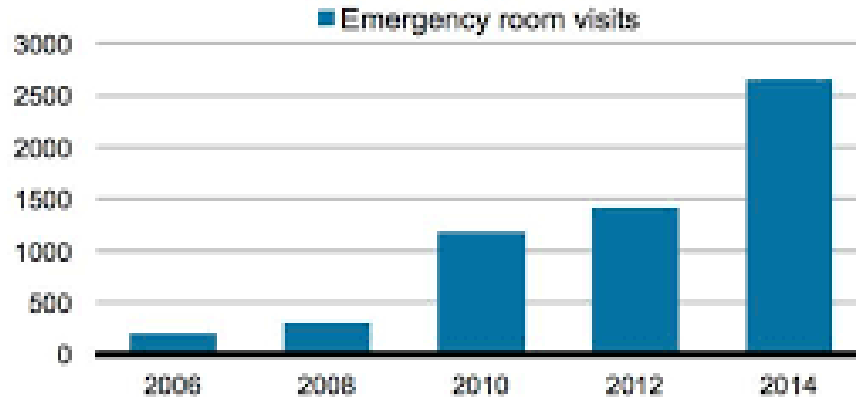
Driver Review Board



# 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



# 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??

# EH&S and YOU!

How they fit together District-wide



# Questions/Answers

Time to test your knowledge!

