



# SERVICES OVERVIEW QUICK REFERENCE

## Environmental Health and Safety

October 2021

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**UCI** Environmental  
Health & Safety

## EHS By the Numbers:

During a typical Fiscal Year (FY) EHS provides various services to the UCI Campus Community, including:

- a. EHS staff conducts or coordinates over **25,000** inspections per year
- b. EHS Fire and Life Safety staff tests/inspects over **45,000** fire/life safety devices annually
- c. EHS manages the disposal of **255,000 pounds** of hazardous waste per year; staff conducts **5,028** waste pick-ups (average 28 pick-ups per day)
- d. EHS manages **70** campus wide compliance programs
- e. Research Safety staff conducts **466** Laboratory Safety Inspections per year. In the current FY, our researchers have closed 100% of identified IDLH and Priority One inspection findings.
- f. Industrial Hygiene staff conducts over **600** laboratory clearance reviews
- g. Working with Campus staff, UCI has seen a **42% reduction** in our OSHA Lost Workday Rate and a **39% reduction** in our OSHA Total Incident Rate over the past 5 years (CY 2016 through CY 2020)
- h. Serving as the Campus Public Health Officer, EHS staff conducts **1,350** inspections/reviews for dining establishments, pools, playgrounds and other facilities where food is prepared and served (e.g., food trucks, student organizations, vendors, etc.).
- i. EHS Fire and Life Safety staff conducts Title 19 safety inspections for **377** buildings
- j. EHS conducts **200** accident/incident report investigations and average a **98% closure rate** for identified safety concerns
- k. EHS manages the Campus wide Safety Training Self-Assessment Program with a current FY compliance rate of **95% completion, with 17,984 employees** participating in the program
- l. EHS training staff coordinates **80** EHS courses, resulting in **22,858** employees completing required compliance training
- m. Campus Fire Marshal staff completes **over 4,000** plan reviews
- n. EHS received **295** safety complaints during the current FY with an investigation/closure rate of **99%** of reported safety concerns
- o. EHS manages maintenance/inspections of **1,200** fume hoods and **40** toxic gas cabinet systems on campus
- p. EHS staff inspects and verifies that **449** biosafety cabinets are operational and are certified by a 3rd party vendor



## Executive Summary

Working with campus leadership, staff provides support related to coordination of campus EHS activities. These activities consist of a wide range of programs including new construction design reviews (Title 24), Fire/Life Safety Inspections (Title 19), emergency response, workplace injury reduction, training for safe work practices, laboratory safety inspections, hazardous and radiological waste pick-up, research safety, occupational safety, industrial hygiene, environmental health, defensive driving, environmental compliance, and construction/contractor safety programs. To support the achievement of established organizational objectives, EHS staff facilitates a variety of program coordination functions, which include:

- **Coordination of EHS-related committees:** Staff administers and/or supports multiple campus committees regarding environmental, health and safety (e.g., Laboratory Safety Committee, Institutional Biosafety Committee, Radiation Safety Committee, etc.).
- **Development and Coordination of EHS Communication Program:** Staff develops campus and community based EHS communication programs, including management of the department intranetsite, development of fact sheets, and generation of periodic performance reports.
- **Development and Coordination of EHS Inspection, Assessment, and Compliance Monitoring Program:** Staff develops and implements a variety of compliance monitoring programs, including Laboratory Safety Inspections, Fire and Life Safety inspections, Environmental Compliance Monitoring, EHS program compliance reviews, Injury and Illness Prevention Plan (IIPP), Safety on Site (SOS) and CALOSHA compliance.
- **Development and Coordination of Training Programs:** Staff develops, conducts, and maintains training programs to ensure regulatory compliance and to assure that students, faculty, and staff understand risks and perform work tasks in a safe and environmentally responsible manner.
- **Development, Distribution, and Analysis of Performance Measurement Data:** Staff develops and communicates performance management reports to a variety of campus stakeholders. In addition, staff conducts detailed analysis of compliance, loss and performance data and utilizes information gathered to formulate organizational strategy.
- **Development, Implementation, and Management of Information Systems:** Staff works with University of California Office of the President (UCOP) Risk and Safety Solutions, administrative and DFA staff, to determine campus EHS information technology needs, as well as develops, implements, and maintains software applications to support organizational activities.
- **Development of Policy and Procedures:** Staff works with campus leadership, UCOP staff and specific departments to support the development and maintenance of campus wide EHS policies, programs, and procedures.
- **Management of EHS Compliance Oversight Activities:** Staff manages regulatory site inspections. (e.g., California Occupational Safety and Health Administration (CalOSHA), Orange County Health Department, Air Pollution Control District, etc.), coordination of citation/hazard abatement with Researchers, Facilities, Housing Services and other members of the campus community, including coordination of appeals, legal hearings, and reimbursement of monies paid as a result of citations. Staff serves as campus liaison with regulatory agencies and UCOP Risk Services staff.

## EHS Services Provided

The organization provides 24/7 support to students, researchers, campus staff, and the greater UCI community. EHS staff support injury prevention, compliance, and risk mitigation for campus and field-based research activities, UCI Natural Reserve locations, and UCI Health Services staff at the Medical Center and supporting clinical research activities. EHS staff provides **direct services** to support campus operations, which includes:

- a) Management of the campus hazardous chemical, biological and radiological waste programs
- b) Coordination of employee occupational health and medical surveillance programs
- c) Maintenance and servicing of Campus Fire and Life Safety Systems
- d) Plan reviews and inspections for construction and modification of campus buildings
- e) Coordination of radiation exposure program for UCI Reactor and other radiation-producing equipment
- f) Management and administration of the campus Institutional Biosafety Committee (IBC) mandated by the National Institute of Health (NIH)
- g) Compliance oversight of campus asbestos abatement work activity
- h) Administration and coordination of the Campus High Containment Laboratory Oversight Program Group (HCLOG) and UCI Health Human Gene Therapy (HGT) and High Containment Clinical Laboratory
- i) Provision of Campus Public Health Officer Services
- j) Provision of ergonomic services and evaluations
- k) Assistance and coordination of external and internal regulatory inspections
- l) Incident response support and coordination
- m) Coordination and participation on campus committees and institutional review panels, such as: Institutional Review Board (IRB), Institutional Animal Care and Use Committee (IACUC), Cannabis Research Review Committee (CRRC), and Laboratory Safety Committee
- n) Coordination of the Campus Vivarium Safety Program
- o) Manage campus wide Be Smart About Safety (BSAS) Program
- p) Provision of training and maintenance of EHS training compliance records
- q) Performance of respiratory hazard evaluations, respirator fit test, and training

EHS services are conducted by the following units:

- a. EHS Administrative Services
- b. Environmental Compliance and Hazardous Waste Services
- c. Fire and Life Safety Services
- d. Industrial Hygiene and Environmental Health Services
- e. Radiation Safety Services
- f. Research Safety Services (includes Biological Safety Services and the High Containment Laboratory Program)
- g. Safety and Injury Prevention Services
- h. EHS School Coordinator Services

For a detailed description, click on each unit.



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