

A stone wall sign for the University of California, Irvine. The sign is made of light-colored stone blocks and features the university's name in large, dark, serif letters. To the left of the name is a circular seal of the University of California. The sign is set against a background of green trees and a clear blue sky. In the foreground, there is a field of tall, green grasses.

University of California, Irvine

**ENVIRONMENTAL HEALTH AND SAFETY
YEAR-END REVIEW FY 2020-21**

EHS Accomplishments

EHS COVID-19 Support

EH&S COVID-19 (Coronavirus)

Thank you Anteater Community, for your continued diligence, passion and focus on health and safety during this time. Please review the information provided on this page for specific guidance regarding EH&S COVID-19 response efforts.

[Report a COVID-19 Safety Concern](#)

[Returning to Campus](#)

[Returning to Campus Training](#)

[Working from Home](#)

[Additional COVID-19 Resources](#)

[Cleaning Guidance](#)

[COVID-19 FAQs](#)

[COVID-19 Curtailment Services](#)

[Information for Staff Regarding COVID-19](#)

Report suspected or confirmed COVID-19 cases for campus-related employees.



[Report Campus COVID-19 Cases](#)

The link for reporting cases can also be found on the HR Coronavirus landing page and the Working Well™ landing page. For any questions on this, please contact your HR Business Partner.

- **Development and tracking of UCI Return to Work COVID-19 Training (employees and students)**
- **Face Covering Guidelines and PPE distribution**
- **COVID-19 Spot-checks (9,000 completed)**
- **Manages Campus Contractor and Vendor (Non-affiliate) Program**
- **Telecommuting support (virtual assessments/ergo tools)**
- **HVAC and water quality (IH) support**
- **Space decontamination and cleaning support**
- **Executive Directives development/support**
- **Perform studies (elevators, restrooms, bottled water, etc.)**
- **COVID-19 Student Testing Center support**
- **COVID-19 Saliva Lab Support**
- **Manages Campus-wide COVID-19 Safety Concern Program**
- **Manages COVID Prevention Plan**
- **Supports CRIT and Logistics Support Team**
- **UCIMC support (fit testing, donations, technical support)**

Development of EHS COVID-19 Webpage

- **Development of COVID-19 procedures (over 60 procedures, in collaboration over 40 posters)**
- **Development of return to Campus procedures**
- **Development of UCI Risk Assessment and Monitoring Plan**
- **Development of Campus posters and signage**
- **Development of the Physical Assessment Self Evaluation and Reference Guide**

EHS Accomplishments



Coordinating the removal of a Cesium Irradiators (Jan 2021)



- **Supported/coordinated opening of two BSL-3 facilities**
- **Working with the Office of Research, funded HCLD position**
- **Coordinated Select Agent approval for Felgner Project**
- **Implemented a Biosecurity project for the BioSci III BSL-3 lab**



- **Coordinated the COGEN Boiler Emission Project**
- **Developed a new Stormwater Management Webpage**
- **Coordinated San Joaquin Landfill Audit**
- **Managed the disposal of **295,000** pounds of Hazardous Waste (**6,210 pickups**)**

EHS Accomplishments



SAFETY

- Completed **25 out of 26** Be Smart about Safety (BSAS) projects, totaling \$250,000. Completed projects were within scope and budget.
- Implemented a comprehensive Machine Shop Safety Inspection Program (55 shops inspections completed).
- Supported Student Affairs (**93%**) and Facilities Management (**83%**) to improved safety training compliance
- Achieved **92%** STSA Campus-wide Compliance (18,000 employees)



- Achieved **100%** compliance on County mandated food and pool safety inspections
- Conducted **701** Respiratory Fit-Tests

EHS Accomplishments

**Developed and released an updated EHS website
(675 task steps completed)**

**Released 72
updated EHS
Programs**



Clean Air Program

Responsible Administrator: Environmental Programs Manager
Revised: May 2020

Summary: The University of California, Irvine (UCI) Clean Air Program assists the campus with air pollution prevention and provides compliance assistance on South Coast Air Quality Management District (SCAQMD) and other Clean Air Act laws and regulations.

- 1. Program Description 1
- 2. Scope 1
- 3. Definitions 1
- 4. Responsibilities 3
- 5. Reporting Requirements 4
- 6. Internal References 5
- 7. References 5

1. Program Description

Program activities include implementing a federal operating permit program, which meets federal Environmental Protection Agency (EPA) regulations adopted pursuant to Title V of the 1990 amendments of the Clean Air Act. Title V Program activities include:

- Assisting with SCAQMD Permit to Operate administration.
- Refrigerant Management Program.
- Monitoring, record keeping, and reporting activities.
- Developing regulatory programs and informational guidelines to comply with Federal, State, and local laws and regulations.

2. Scope

This program details the elements of the Clean Air Program to comply with all Federal, State, and local laws and regulations.

3. Definitions

- **Air Pollution Control Program Organization** – The state’s implementation of the federal Clean Air Act and organization of the air pollution control program are codified in the Health and Safety Code Section 39000 – 44384. The Air Resources Board (ARB) is the agency responsible for the statewide program and direct oversight of the local and regional districts. The ARB has been incorporated as a department within the California Environmental Protection Agency (Cal/EPA).

As described above, California’s air pollution control programs are designed to meet requirements of the federal Clean Air Act. In addition, the state’s air pollution control program is authorized by statute to adopt ambient air quality standards more stringent than federal standards and implement other specific statutory programs.

AB32 Assembly Bill 32 requires emitters of more than 25,000 metric tons carbon dioxide to report greenhouse gas (GHG) emissions.

EHS Accomplishments



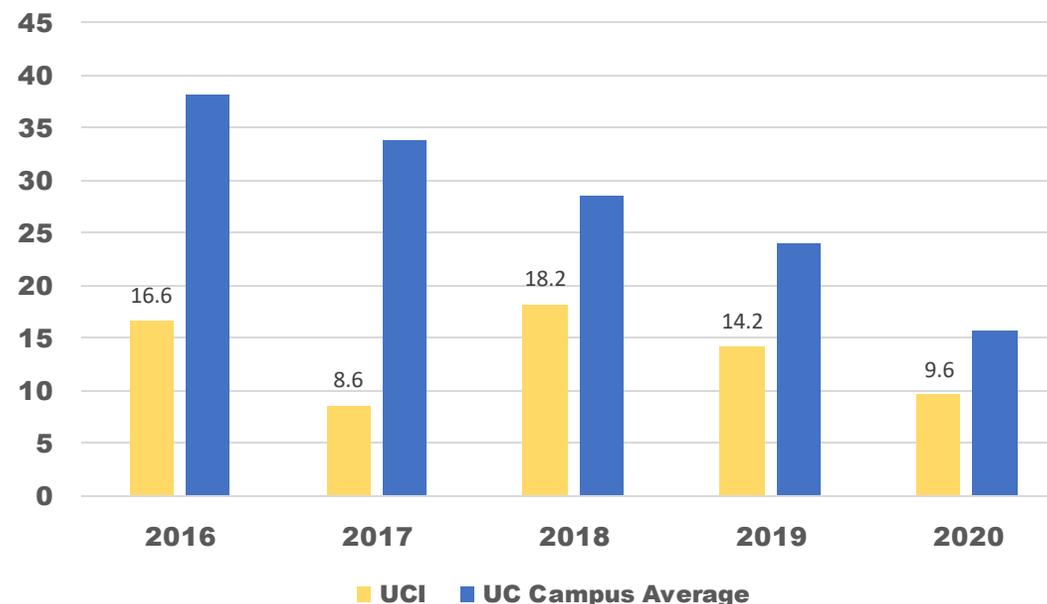
Research Safety and Hazardous Materials Management Audit CAP
CAP closure 100% (55 out of 55)



Re-engineered the Campus Laboratory Safety Inspection Program

- **466 audits (annual cycle)**
- **Implemented UC INSPECT**
- **Monthly Scorecard**
- **Inspection QA Program**
- **Dedicated inspection team**
- **Virtual inspections**
- **Closed 100% of IDLH (57) and Priority One findings**

Lost Workday Rate (LWR) CY 2016 - 2020
UCI and All Campus Average

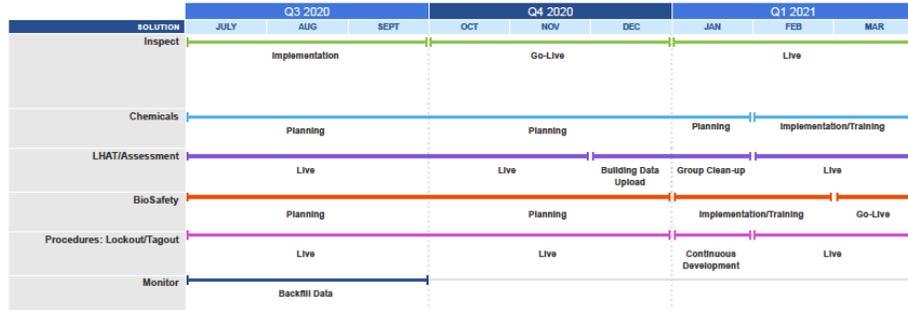


For UCI there was a **42%** reduction between CY 2016 and CY 2020.

EHS Accomplishments



UCI Roadmap 2020/2021



BioSafety

- RSS met with UCI Biosafety to discuss implementation of BioSafety in Q3 2020
- RSS to provide support and training for PI's prior to implementation in February 2021
- Biosafety team to rollout RSS Biosafety in March 2021

Inspect

- Implemented three checklists: COVID-19 Spot Checks, (revised) Lab Safety and Self-Inspection checklists
- RSS met with UCI EH&S to discuss training materials to be provided
- RSS met with Safety Coordinators to provide training on access and analytics

Chemicals

- RSS met with UCI EH&S regarding implementation - specifically SOP Banding and Door Hazard Signs
- RSS working on Stockroom/Point of Sale solution for UCI Adoption
- RSS to continue working on Chemicals Handouts prior to Implementation

LHAT/Assessment

- RSS disabled PI ability to create LHAT
- RSS updating Building Data provided by UCI Facilities
- RSS and UCI EH&S to setup meeting to discuss LHAT Group clean up
- User Acceptance Testing (UAT) for Profile v.3 with UCI EH&S

Procedures

- Currently in use
- RSS plans on continuous development work in January 2021 to improve system. RSS will work with Blaise and team.

LAST UPDATED 11/16/20

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Working with UCOP RSS, developed a UCI FY 2020-21 IT Implementation Roadmap:

- **UC CHEMICALS (Ongoing)**
- **UC INSPECT (Ongoing)**
- **UC Biosafety (Implemented)**
- **UC Radiation (Ongoing)**

EHS staff participates in approximately **25,000** inspections per year



Inspection/Assessments Responsibility Matrix
November 2020

INSPECTION TYPE	EH&S ADMINISTRATIVE, FINANCIAL, HUMAN RESOURCES, INFORMATION SYSTEMS, TRAINING	RESEARCH SAFETY AND COMPLIANCE (INCLUDING CHEMICAL SAFETY)	BIO SAFETY	RADIATION SAFETY	ENVIRONMENTAL COMPLIANCE PROGRAM	ENVIRONMENTAL HEALTH	HAZARDOUS WASTE MANAGEMENT	INDUSTRIAL HYGIENE	SAFETY AND INJURY PREVENTION (INDUSTRIAL SAFETY)	FIRE AND LIFE SAFETY
Structured Inspections or assessments (conducted at a routine frequency) by EH&S Staff 60	<ol style="list-style-type: none"> EH&S Systems and Program Self-Assessment: (Annually) LMS Training Exception Report: (Quarterly) EH&S Webpage Content Review (Annually) EH&S Program and Policy Review (Annually) 	<ol style="list-style-type: none"> Laboratory Safety Inspection Program (Annually) Door Placard Program (Annually) Chemical Inventory Questionnaire (Annually) Controlled Substances Program (Annually) Controlled Substances Program (Annually) Precursor/List One Chemical Program (Annually) DEA Reconciliation and Final Approval Audit (Annually) Vivarium safety and IACUC inspections (Semi-annually) AED record and testing Audit (Annually) 	<ol style="list-style-type: none"> Biological Use Authorizations, (Every 3 years) Biosafety Lab Inspection Program: (Every 3 years) BSL3 Inspection (annually) Select Agent Inspection (Annually) Permissible Select Authorization and reconciliation of inventory (annually) UCI Medical Center Human Gene Transfer location inspection (annually) 	<ol style="list-style-type: none"> Radioactive Material (RAM) Lab Inspection Program (Quarterly or semiannually depending on the lab) Radiation Producing Machines (RPM) Lab Inspection Program (Annually) Radiation Use Authorization Renewals (every 3 years) UCI radiation detection meters (Monthly) Sealed Source Leak Testing (Quarterly or semiannually depending on the type of source) Assessment of Dosimetry Results (Quarterly) Radiation Protection Program (RPP) Audit (Annually) Decommissioning Review (Biennial) Radioactive Materials License / Machine Inspection by CDPH (Biennial / 5 years) Nuclear Reactor Inspection by NRC (Annual) 	<ol style="list-style-type: none"> Generator Recordkeeping Requirements (Monthly) Diesel Off-Road Equipment Hour Meter Inspection (Biannual) Large Spark Ignition Equipment Hour Meter Inspection (Biannual) North Campus Gasoline Dispensing Throughput (Annual) MS4 Stormwater Program (Qtr/Annual) San Joaquin Landfill Stormwater Program (Monthly) Spill Prevention Control and Countermeasures (Monthly) Title V Air Permit Inspection by SCQMD (Annual) Portable Equipment Program Inspections by CARB (3 years) Underground Storage Tank Inspection by CUPA (Annual) Haz Mat Business Plan by CUPA (Quarterly) 	<ol style="list-style-type: none"> Food Facility Inspections: (Quarterly) Pool Safety Inspections: (Monthly) Playground Assessment: (Annually) 	<ol style="list-style-type: none"> Hazardous Waste EH&S 90 day Facility Inspection (Weekly) Hazardous Chemical, Biohazardous, and Universal Waste Campus Inspection by CUPA (Annual) 	<ol style="list-style-type: none"> Hazard Communication Program Compliance Review (Annually) Crane/Hoist Protection Equipment (Annually) Fume Hood & other lab ventilation certifications: (Annually) Spray/Paint Booths Annually IH Instrument inventory Maintenance and Calibrations (Monthly) FM 4-Gas Meter/Fixed Gas Detection System inspection and calibrations (Quarterly) 	<ol style="list-style-type: none"> Shop Safety Inspections: (Annually) Crane/Hoist Program: (Annually) Ladder Safety Inspections: (Annually) Confined Space Signage and Classification Review (Annually) Fall Protection Equipment (Bi-annually) 	<ol style="list-style-type: none"> Title 19 Program Inspections: (Annually) <ul style="list-style-type: none"> Fire Suppression Flow Switches Fire Water delivery meters Sprinkler heads Alarm Systems Inspections (Annually) <ul style="list-style-type: none"> Alarm Panels Smoke detectors Heat detectors Duct detectors Fire Doors Laser - smokes Special protection systems Computer Infrastructure Alarm panel software programming

Total Number of EH&S Inspections: **134**

Total Number of EH&S Inspections conducted by Non-EH&S staff: **36**

EHS Accomplishments

Major Assessments:



**Research Safety and Hazardous
Materials Management**
UCI Internal Audit



REHS/Food Safety Program
Consultant Review



Radiation Safety Program
UC San Diego Review



Research Safety
Office of Research/UCLA



Nuclear Reactor Program
Nuclear Regulatory Commission



Select Agent Program
Centers for Disease Control



AAALAC Accreditation

Managed EHS Alignment Efforts

- **Assistant Director Research Safety**
- **Assistant Director Safety Services**
- **Research Safety Programs Manager**
- **Radiation Safety Officer**
 - **Associate Radiation Safety Officer**
- **High Containment Laboratory Director**
- **Biosafety Officer**
- **School of Medicine EH&S Coordinator**
- **Registered Environmental Health Specialist**
- **Fire and Life Safety Superintendent**
- **PPE Coordinator**
- **Process Safety Engineer**

EHS Metrics

Purchase Requisition Transactions

FY 2019-20	2021 Transactions	\$1,524,918
FY 2020-21	1886 Transactions	\$1,246,726

EHS Training Compliance

White – Belt Training:
100%
Implicit Bias Training:
92% (100% for managers)
All REQUIRED TRAINING:
100%

Research Safety Program

Lab Coats and Safety Glasses (PPE) Distributed	1262
Lab Animal Occupational Health Program (LAOHP) Questionnaires Reviewed	1148
IACUC Protocols Reviewed	241
Vivarium Facilities Inspections Conducted	294
Controlled Substances Inspections	202
Controlled Substances Usage Authorization Renewals	145
SOPs Reviewed and Created	42
IDLH Findings Identified and Resolved (Lab Safety Inspection Program)	57

Biosafety Program

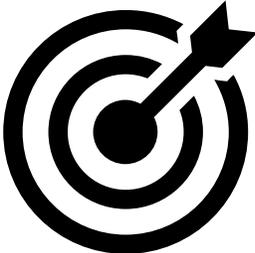
IBC Protocols Reviewed and Approved	197
Biosafety Inspections Conducted and Reports Completed	77

EHS Metrics

EHS Recharge Annual Target:

13,880 Hours Equivalent

- **New Faculty Projects**
- **Renovation Projects**
- **New Construction Projects**
- **Special Events**
- **Garamendi Buildings**
- **Campus Housing & ACC**
- **Hazardous Waste**



Title 19 Building Inspection Program

Section One: Title 19 Inspections

The data provided in Section One outlines scheduled and completed Title 19 inspections.

Inspection Type	Number of buildings ¹	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annualized Completion Rate ^{2,3}
State Mandated Inspections	224	30	114			64%
Regulated ⁴ Inspections	161	1	66			42%
Other Inspections ⁵	0	0	0			0
Overall Completion (All buildings)	385	31	180			55%

Section Four: 5 Year Sprinkler Certification Program

NFPA 25 requires an internal inspection of fire sprinkler system piping every five years. The test is conducted to prevent the presence of foreign material and check working conditions of the components of the system.

Total Systems	Number on Campus	Number Completed	Percent Compliant ¹
Current Certification	238	229	96%

Incident Investigation Reports

YTD 235 total and 235 closed
(100% closure Rate)

Consistent Format for EHS Reports

Quarterly Report

I. OVERALL SUMMARY

Insert overall summary and trends in this section

II. LABORATORY INSPECTIONS

Figure 1: Laboratory Safety Inspections by Month FY 20/21



Figure 1: Total laboratory safety inspections assigned and completed by EHS in FY 20/21. All PI's labs are assigned a month for EHS to perform a safety inspection on an annual basis. Assigned data indicates the total number of inspections assigned to all EHS inspectors per month, as assigned by EHS Research Safety Division. Data on non-compliant findings was obtained by RSS inspect.

Figure 2: Inspection Findings by Month FY 20/21

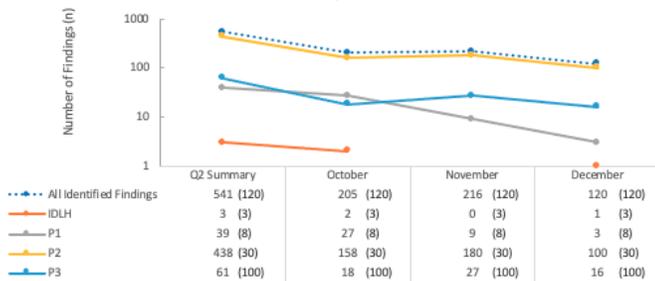


Figure 2: All safety inspection findings displayed by month in FY 20/21. Definitions: IDLH: Immediate danger to life and health, immediate follow-up with PI or delegate. P1: Priority one findings, response required within 7 days. P2: Priority two findings, response required within 30 days. P3: Priority three findings, response required within 90 days. Data on non-compliant findings was obtained by RSS inspect. Numbers in parentheses indicate average number of days to resolve findings.

Figure 3: Inspections by School FY 20/21

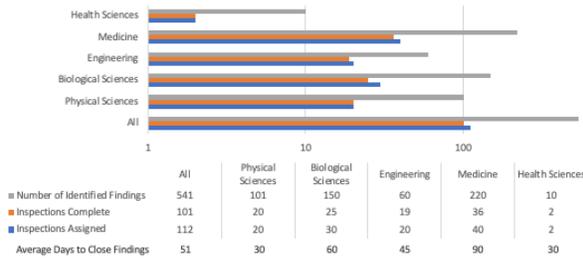
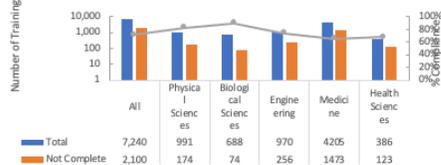


Figure 3: Figure 1: Total laboratory inspections assigned and completed by EHS in FY 20/21 by school. All PI's labs are assigned a month for EHS to perform a safety inspection on an annual basis. Assigned data indicates the total lab safety inspections assigned to EHS inspectors by school, per month, as assigned by EHS Research Safety Division. Data on non-compliant findings was obtained by RSS inspect.

III. TRAINING

Figure 4: Returning to Campus COVID-19 Training by School FY 20/21



Monthly Report

EH&S Laboratory Safety Inspection Program Monthly Performance Scorecard Report for: June 2021

The intent of this report is to provide EH&S and campus leadership with performance measurements related to the EH&S Laboratory Safety Inspection Program for FY 2020-21. Reports will be generated at the end of each month, end of each quarter, and end of the fiscal year.

Section One: Overall Lab Safety Inspection Program Performance

Overall inspections include data for inspections completed and report submitted to the Principal Investigator (PI) or Responsible Person (RP).

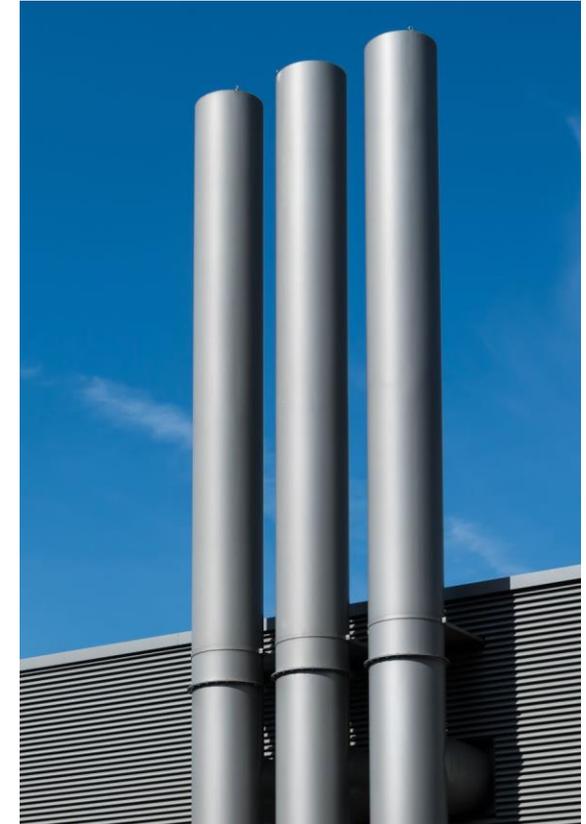
Table 1: Monthly Lab Safety Inspections Assignments and Completion¹

Month	Number of Inspections Assigned	Number Inspections Completed	EHS Completion Rate for Each Month
October 2020	42	27	64%
November 2020	47	65	138%
December 2020	49*	45	92%
January 2021	57	43	75%
February 2021	60	54	90%
March 2021	55	55	100%
April 2021	54	48	89%
May 2021	45	69	125%
June 2021	57	60	105%
Total	466	466	100%

¹ working weeks + 2 weeks campus closure in December 2020
² Data as of July 1, 2021

Environmental Health and Safety

- **Research Safety Services**
- **Environmental Compliance, Hazardous Waste and Radiation Safety Services**
- **Administrative Services**
- **Industrial Hygiene and Environmental Health Services**
- **Safety and Injury Prevention Services**
- **Fire and Life Safety Services**
- **EHS School Coordinators**



Research Safety Services

Responsible for providing coordination and support related to regulatory program compliance, loss control, incident management, regulatory agency support, and equipment approval for field and laboratory-based research efforts.

Services include:

- **Biosafety Program and IBC Support**
- **High Containment Labs / BSL3 Support**
- **Vivarium Safety and IACUC Support**
- **Controlled Substances Program**
- **Personal Protective Equipment (PPE) Program**
- **Occupational Health Program**
- **Laboratory Safety Inspection Program**

Research Safety Services

FY 2020-21 Objectives



Developed online BSL2 training to strengthen researchers' capacity for risk assessment and risk management



Developed IBC training to improve risk assessment and mitigation process for review and approval of Biological research



Worked with labs to audit labs' Chemical Hygiene Plans (CHP)



Implemented RSS applications: BIO, Inspect, and UC Chemicals



Conducted peer review of specific Research Safety programs, including Biosafety

Research Safety Services

FY 2020-21 Metrics



466 of 466 (100%) laboratory safety inspections completed



100% (from 397 to 0) historical open inspection findings closed



55 out of 55 (100%) Internal Audit findings closure rate



109 medically-required clearances completed for asbestos, animal handling, BSL3 operations, and respirator use



202 Controlled Substances inspections performed



94% Safety Training Self-Assessment (STSA) training compliance



77 Biosafety BSL2 inspections performed

93% Laboratory Safety Fundamentals Training compliance



Research Safety Services FY 2021-22 Objectives

Roll out and manage UC Chemicals plan

Improve and maintain second year of Lab Safety Inspections program and fully implement Escalation Procedures

Review existing Occupational Health and ULAR direct services and funding options

Recruit and onboard new Biosafety Officer and restructure reporting of High Containment Lab Director (HCLD) position under Research Safety

Recruit and onboard new Chemical Hygiene Officer and provide support to MAQ efforts to reduce flammables in lab control areas

Recruit and onboard new Research Safety Programs Manager

High Containment Laboratory Program (HCLD)

FY 2021-22 Objectives



Onboard new high containment lab director and conduct comprehensive review of BSL3 high containment lab program



Identify program needs and create plan to address program gaps



Conduct select agent training for BSL3 users with recently acquired CDC registration protocol approval

Environmental Compliance and Radiation Safety Services

The Environmental Compliance and Radiation Safety unit is responsible for providing support related to maintaining federal, state, and local compliance requirements.

Services include:

- **Coordinating Campus-wide Environmental Compliance efforts, including air permitting, storm water management, landfill management, education and outreach, and regulatory reporting.**
- **Manage the Campus-wide Hazardous Waste Program for chemical, biohazardous, and radioactive waste.**
- **Manage all aspects of Radiation Safety, including laboratory use and the nuclear reactor.**

Environmental Compliance and Radiation Safety Services

FY 2020-21 Objectives

Provided high quality hazardous waste management services to research labs, facilities operations, and COVID sites



Managed Radiation Safety Officer recruitment



Coordinated the removal of the McGaugh Hall Radioactive Cesium Irradiator



Successfully completed the Central Plant Boiler Project in compliance with stringent regulatory emissions limits

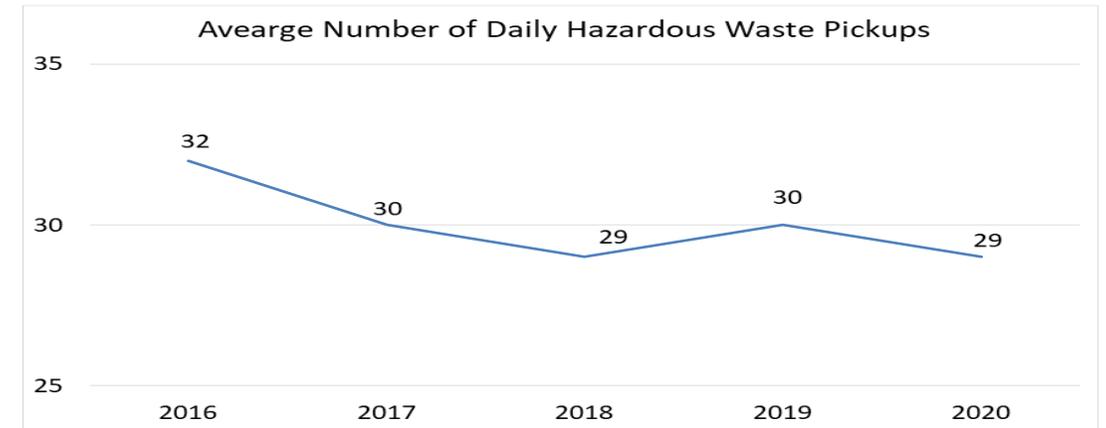
Environmental Compliance and Radiation Safety Services

FY 2020-21 Metrics

Pounds of Hazardous Waste Disposed 295,000



Average Number of Hazardous Waste Pickups 29 Per Day



Radiation Safety Surveys 130



Environmental Compliance and Radiation Safety Services

FY 2021-22 Objectives

Manage the transition of the Radiation Safety Program and provide management support to the new Radiation Safety Officer

Develop a Storm Water Support Plan and provide guidance and technical consultation for major UCI construction projects

Develop and implement an Environmental Compliance Training Program and mentoring in Air Quality Management for the Environmental Compliance Specialist

Develop and implement a plan to amend UCI's Radioactive Materials License

Develop and implement a program to perform campus-wide hazardous waste cleanouts of high hazard materials

Administrative Services

Provides administrative support for EHS, campus, and external stakeholders.

Services include:

- **Manages the administrative functions and processes**
- **Coordinates EHS operational services (budget, purchasing, recharges, and website management)**
- **Building repairs and renovation management**
- **EHS after-hours and Department Operations Center (DOC) emergency response coordination**

Administrative Services

FY 2020-21 Objectives

Implemented a process to reduce the number of items pending in our non-injury data collection system

Improved the EHS processes for training compliance by providing monthly reports to Schools to ensure safety trainings are completed in a timely manner

Established the EHS project tracking spreadsheet for all EHS administrative functions and recruitments

Developed and improved the EHS e-learning catalog and identified in-person courses and translated them to interactive eLearning modules or microlearning videos

Administrative Services

FY 2021-22 Objectives



Conduct a comprehensive review of EHS administrative services and develop a service consolidation plan.



Manage the EHS employee appreciation effort and, in collaboration with DFA, draft a FY 2021-22 EHS Employee Engagement and Appreciation Strategic Plan.



Create and release quarterly Safety Training Self-Assessment and Safety On Site reports/scorecards for Campus units.



Work with EHS Subject Matter Experts and evaluate the current EHS training process.



Review current EHS efforts and develop and implement 2nd phase of the EHS policies and procedures enhancement project.

Industrial Hygiene and Public Health Services

The Unit develops, implements and manages a variety of Industrial Hygiene (IH) and safety programs to ensure compliance with UC, campus, and regulatory requirements.

Services include:

- **Industrial Hygiene Services (assessment and monitoring)**
- **Asbestos and Lead project compliance support**
- **Indoor Air quality and Cal/OSHA compliance**
- **Public Health/REHS support (food facilities, pools, and water quality)**

Industrial Hygiene and Public Health Services FY 2020-21 Objectives

Analyzed IH programs: asbestos and respiratory protection

Developed and implemented written silica program

Reviewed registered environmental health specialist program and position

Reevaluated recruitment for contract asbestos specialist

Reviewed IH work efforts and develop IH metrics

Industrial Hygiene and Public Health Services FY 2020-21 Metrics



11 Indoor air quality responses YTD



1,024 Fume hoods inspected FY 20/21



277 Lab Ventilation Risk Assessment



163 Exposure Assessments



18 Pool and Spa Inspections



227 Materials analyzed for Asbestos



701 Respirator fit-test (training)



546 Lab equipment clearance testing

Industrial Hygiene and Public Health Services

FY 2021-22 Objectives

- **Recruit and onboard new Registered Environmental Health Specialist (REHS)/Public Health Officer**
- **Implement a corrective action plan to address items identified in the FY 2020-21 comprehensive third-party review of the Campus REHS Program**
- **Create and implement a written UCI specific Wildfire Smoke Program**
- **Conduct a review of the EHS Asbestos and Indoor Air Quality (IAQ) Program and develop a plan to update the programs**
- **Recruit and onboard two EHS technical resources to support Campus Asbestos and Indoor Air Quality program efforts**

Safety and Injury Prevention Services

Responsible for coordinating and assisting campus staff in complying with regulatory health and safety requirements. Staff assists in the reduction of injury frequency and severity by conducting inspections, training, risk assessments and direct safety-related services.

Services include:

- **Injury prevention and hazard identification and control**
- **Office, laboratory, and field Ergonomics support**
- **Cal/OSHA Title 8 programs compliance**
- **Facilities Management, Student Affairs, and School of the Arts direct services support**

Safety and Injury Prevention Services

FY 2020-21 Objectives

Worked with FM to increase safety training compliance

**Created process using the UC INSPECT program to audit
Campus Machine Shops**

Evaluated high risk ergonomics tasks in Student Housing

Updated and improved the Safety webpage

**Continued the transition of the leadership change with Senior
EH&S management leadership team members**

**COVID-19 support across campus (Physical
Assessments/plexiglass recommendations/COVID PPE
deliveries)**

Safety and Injury Prevention Services

FY 2020-21 Metrics

Conducted 75 safety trainings sessions in Spanish (890 staff)

Delivered and installed 380 plexiglass units

Reviewed and approved 185 hot work permits

Investigated and closed 223 safety concerns (100% closure)

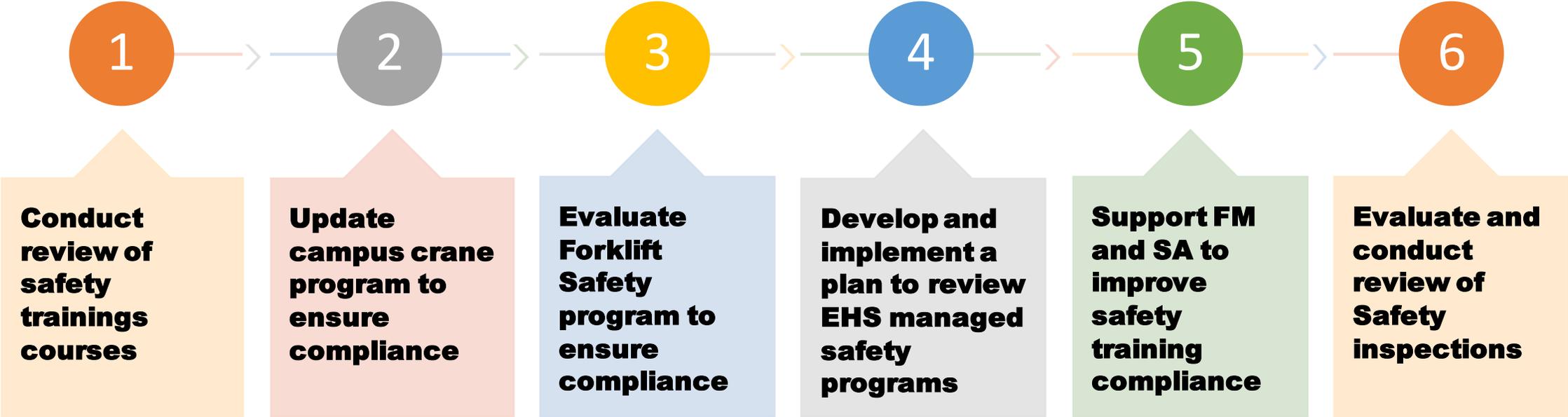
Conducted 2,000 COVID Spot Checks (FM 868, Housing 457 and Dining 646)

Conducted 109 safety tailgate meetings for 25 FM units (100% participation)

Investigated 234 FM injuries (100% closure)

Safety and Injury Prevention Services

Unit Objectives FY 2021-22



Fire and Life Safety Services

Responsible for ensuring compliance with federal, state, and local fire and life safety codes and regulations.

Services include:

- **Conduct testing, inspections, maintenance, and repair of fire and life safety devices**
- **Conduct building safety inspections for campus and housing buildings (Title 19)**
- **Review and approve construction plans and conduct inspections (Title 24)**
- **Campus activity and event support (Campus Fire Marshal)**

Fire and Life Safety Services

FY 2020-21 Objectives

Work with D&CS to ensure fire requirements for the new medical center on campus are met (along with OSHPD)

Implement fire alarm system technology upgrades (i.e., mobile data terminals and fire alarm dialer receivers)

Update Campus Fire Marshal Plan Review Process

Increased Fire Marshal review of FM Projects

Implemented UC INSPECT for Campus Title 19 inspections

Posted retirement strategy for Fire Alarm Supervisor position

Fire and Life Safety Services

FY 2020-21 Metrics



**Test, inspect
and maintain
over 45,000
fire life safety
devices**



**Conducted
22 fire
extinguisher
courses**
(215 faculty, staff,
and students)



**OCFA response
alarm calls
196**
(399 in 2020)



**Conducted
460
construction
plan reviews**



**Conducted 143
housing and 70
campus
buildings Title
19 inspections**

Fire and Life Safety Services

FY 2021-22 Objectives

Recruit and onboard three EHS staff to support the Title 24 program

Develop and submit a written plan related for Fire Marshal review and inspection support for new UCIMC North Campus facilities

Develop and submit a plan outlining steps to streamline Campus Title 24 Plan review process

Develop and Implement a Title 19 Program building inspection priority list and communication plan

Recruit and Onboard Fire Alarm Superintendent

Develop and implement a plan to increase Title 19 fire alarm testing compliance

EHS School Coordinators

The Coordinators support school specific EHS activities and strategize with assigned academic areas to ensure compliance with applicable EHS programs.

Services include:

- **Performing Spot Checks and following up on safety concerns**
- **Onboarding of new Principal Investigators and Safety Representatives**
- **Following up on various inspections and work with labs to resolve findings**
- **Support new and existing labs relocating to provide recommendations and implement EH&S services.**
- **Developing and implementing plans to transition research labs to UC CHEMICALS inventory system**

EHS School Coordinator

FY 2020-21 Objectives

**Work with
researchers to
close historical
audit findings**

**Supported the
implementation of
UC Chemicals
Implementation
Plan**

**Assisted
researchers moving
into ISEB**

**Implemented
Quarterly School
Check-in and School
EHS Scorecard**

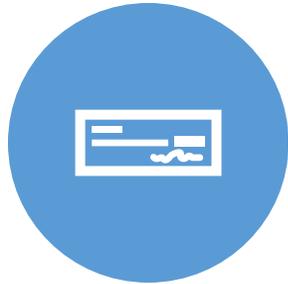
**Coordinated
Laboratory Safety
Inspection Program
finding closure
activity**

**Provided
coordinator support
for School of
Medicine and
Biological Sciences**

**Managed assigned
projects (BSAS,
TANGO, etc.)**

EHS School Coordinators

FY 2020-21 Metrics



Conducted **7,120**
COVID-19 Research
Spot-checks with 98%
overall compliance
(since June 2020)



Completed **10**
Principal Investigator
new hire safety
orientations



Completed **21** **Safety**
Representative
orientations



Closed out **76%** **lab**
inspection findings
(**100%** of Priority Ones)

EHS School Coordinator FY 2021-22 Objectives



Work with School stakeholders to develop a program to assist school in closing inspection findings for Lab Safety/Other EHS Inspection Programs



Recruit and onboard School of Medicine Coordinator



Work with Research Safety to implement the UC Chemicals Implementation Plan and serve as School liaison to manage plan implementation milestones



Continue implementation of the Quarterly School Coordinator Reviews and implement a program to meet with School Senior Leadership (i.e., Dean) annually



Review and Revise Principal Investigator and Safety Representative EHS orientation process



Support Campus Fire Marshal with the implementation of the MAQ reference Guide and mapping of School control areas

Communication and Strategic Initiatives

FY 2021-22 Objectives



Coordinate EHS COVID support efforts for the Logistical Support Team and manage EHS COVID Communications



Develop and implement the FY 2021-22 EHS Employee Engagement Strategic Plan



Provide EHS Project Management coordination and support:

EHS FY 2021-22 Strategic Plan

EHS Webpage and Reference Guide Efforts

Serve as DFA/Strategic Communication EHS Liaison

Coordinate EHS Meetings, Events and Award Programs



Assistant Director Research Safety Services

FY 2021-22 Objectives

Develop and implement Research Safety staffing and organizational alignment plan (Recruit for open positions)

Manage emerging campus COVID issues and coordinate EHS-related COVID support efforts

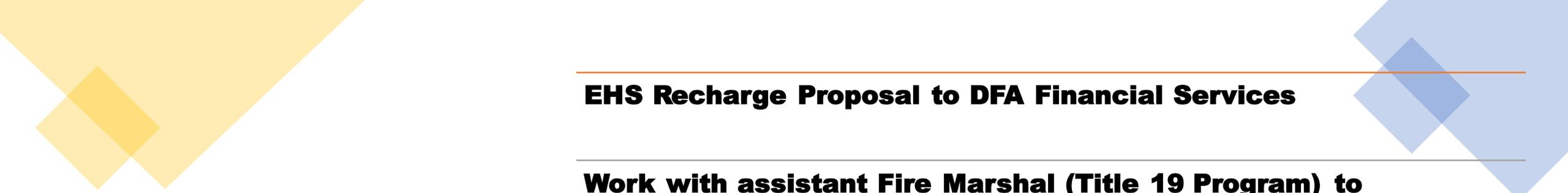
Serve as Selection Committee Chair and coordinate recruitment and onboarding of Assistant Director for Safety Services

Develop, submit, and manage FY 2021-22 BSAS Program

Work with UCOP RSS staff to develop FY 2021-22 database implementation plan

Transition EHS School Coordinators Program to Research Safety Unit (recruit and onboard Coordinator Supervisor and SOM School Coordinator)





Interim Associate EHS Director FY 2021-22 Objectives

EHS Recharge Proposal to DFA Financial Services

Work with assistant Fire Marshal (Title 19 Program) to implement FY 2021-22 plan to increase Fire Prevention testing and inspection (Title 19) rates and submit a longer-term plan to DFA to recommended staffing/process improvements for Fire Prevention testing and inspection program

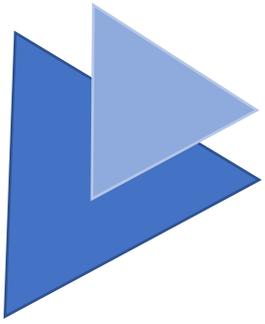
Work with EHS Administrative Services to support the comprehensive review of administrative efforts and implementation of the services consolidation plan

Work with Research Safety to review and implement a plan to restructure the EHS School Coordinator program

Manage EHS recruitment efforts to fill open positions and assist in the implementation of the FY 2021-22 EHS Alignment Plan

Work with Research Safety in supporting the roll-out of EHS database efforts per the EHS FY 2021-22 RSS Strategic Plan





Executive Director EHS

FY 2021-22 Objectives

Update and implement FY 2021-22 EH&S organizational Alignment Plan

Work with EHS Leadership Team to develop programs to Increase Staff Engagement and Customer Service Efforts

Develop and Implement the FY 2021-22 EHS Strategic Plan

Continue the implementation of UC Inspect and the EHS escalation procedure to all applicable EHS assessment, audits, and inspection programs

Continue to support Campus COVID 19 and post COVID 19 efforts

Manage FY 2021-22 EHS related audits, assessments, and peer reviews



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Questions

Thank you



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