

**FOOD SCIENCE AND**

**TECHNOLOGY**





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**INJURY AND ILLNESS PREVENTION PROGRAM**

This Injury and Illness Prevention Program has been prepared by the University of California,

ENTER DEPARTMENT NAME department in accordance with University Policy (UCD Policy

& Procedure Manual Section 290-15: Safety Management Program) and California Code of

Regulations Title 8, Section 3203 (8 CCR, Section 3203).

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**INJURY AND ILLNESS PREVENTION PROGRAM**

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**Department Information**

Department Name: Food Science and Technology

Department Director: **Linda Harris**

Address: **University of California, Food Science and Technology,**

**RMI North, Room 1142, Davis, CA 95616**

Telephone Number: **530 752 2358**

**Buildings Occupied by Department**

1. **Building: RMI South**

**Unit(s): Food Science and Technology**

**Contact: Linda Harris**

**Phone: 530 752 2358**

1. **Building: RMI North**

**Unit(s): Food Science and Technology**

**Contact: Linda Harris**

**Phone: 530 752 2358**

1. **Building: RMI Sensory**

**Unit(s): Food Science and Technology**

**Contact: Linda Harris**

**Phone: 530 752 2358**

1. **Building: BWF**

**Unit(s): Food Science and Technology**

**Contact: Amy Fletcher**

**Phone: 530 752 7162**

1. **Building: Food Science and Technology**

**Unit(s): Food Science and Technology**

**Contact: Sharon Shoemaker**

**Phone: 530 752 2922**

**I. Authorities and Responsible Parties**

The authority and responsibility for the implementation and maintenance of the Injury and Illness Prevention Program (IIPP) is in accordance with University Policy (UCD Policy & Procedure Manual Section 290-15: Safety Management Program) and California Code of Regulations (8 CCR, Section 3203) and is held by the following individuals:

1. Name: **Linda Harris**

Title: **Department Chair**

Authority: Authority and responsibility for ensuring implementation of this IIPP

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| --- | --- | --- | --- |
| Signature: |  | Date: |  |

1. Name: **C.M. Lucy Joseph**

Title: **Department Safety Coordinator**

Authority: Department designated authority for implementation of this IIPP

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| --- | --- | --- | --- |
| Signature: |  | Date: |  |

All Principal Investigators and supervisors are responsible for the implementation and enforcement of this IIPP in their areas of responsibility in accordance with University Policy (UCD Policy & Procedure Manual Section 290-15: Safety Management Program).

**Annual Review Documentation**

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| Responsible/Designated Authority |  | Date |
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**II. System of Communications**

1. Effective communications with **ENTER DEPARTMENT NAME** employees have been established using the following methods:

[x]  Standard Operating Procedures Manual

[x]  Safety Data Sheets

[ ]  Monthly departmental operations meetings

[ ]  Internal media (department intranet)

[x]  EH&S Safety Nets

[ ]  Training videos

[ ]  Safety Newsletter

[x]  Handouts

[x]  Building Evacuation Plan

[x]  E-mail

[x]  Posters and warning labels

[x]  Job Safety Analysis – Initial Hire

[ ]  Job Safety Analysis – Annual Review

[x]  Other (list):

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|  | Safety coordinator gives introductory safety seminar to incoming graduate students each fall quarter. Autoclave safety training is available upon request. |
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| Safety updates are distributed through email |
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| Department chair and/or Safety Committee member gives reports to faculty on safety issues |
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1. Employees are encouraged to report any potential health and safety hazard that may exist in the workplace. **Hazard Alert/Correction Forms (**[**Appendix A**](http://safetyservices.ucdavis.edu/ps/iipp)**)** are available to employees for this purpose. Forms are to be placed in the Safety Coordinator’s departmental mail box. Employees have the option to remain anonymous when making a report.
2. Employees have been advised of adherence to safe work practices and the proper use of required personal protective equipment. Conformance will be reinforced by discipline for non-compliance in accordance with University policy ([UC Davis Personnel Policies for Staff Members- Section 62, Corrective Action](http://manuals.ucdavis.edu/spp/ppsm62.pdf)).

**III. System for Assuring Employee Compliance with Safe Work Practices**

Employees have been advised of adherence to safe work practices and the proper use of required personal protective equipment. Conformance will be reinforced by discipline for non-compliance in accordance with University policy ([[UC Davis Personnel Policies for Staff Members- Section 62, Corrective Action](http://manuals.ucdavis.edu/spp/spp62.htm)](http://manuals.ucdavis.edu/spp/ppsm62.pdf)[).](http://manuals.ucdavis.edu/spp/spp62.htm)

The following methods are used to reinforce conformance with this program:

1. Distribution of Policies
2. Training Programs
3. Safety Performance Evaluations

Performance evaluations at all levels must include an assessment of the individual's commitment to and performance of the accident prevention requirements of his/her position. The following are examples of factors considered when evaluating an employee's safety performance.

* Adherence to defined safety practices.
* Use of provided safety equipment.
* Reporting unsafe acts, conditions, and equipment.
* Offering suggestions for solutions to safety problems.
* Planning work to include checking safety of equipment and procedures before starting.
* Early reporting of illness or injury that may arise as a result of the job.
* Providing support to safety programs.
1. Statement of non-compliance will be placed in performance evaluations if employee neglects to follow proper safety procedures, and documented records are on file that clearly indicate training was provided for the specific topic, and that the employee understood the training and potential hazards.
2. Corrective action for non-compliance will take place when documentation exists that proper training was provided, the employee understood the training, and the employee knowingly neglected to follow proper safety procedures. Corrective action includes, but is not limited to, the following: Letter of Warning, Suspension, or Dismissal.

Effective, February 20. 2007, the department of Food Science is doing away with IIPP plans for individual labs and instituting a department wide IIPP with each unit/group maintaining their own safety program. The research groups that have CUPA accounts will use the campus wide Chemical Hygiene plan (effective October 2014). The pilot plant and shop, brewery, dairy processing area, and the sensory groups will have safety programs that are specific to their requirements.

**IV. Hazard Identification, Evaluation, and Inspection**

Job Hazard Analyses and worksite inspections have been established to identify and evaluate occupational safety and health hazards.

1. **Job Safety Analysis**:

Job Safety Analysis (JSA) identifies and evaluates employee work functions, potential health or injury hazards, and specifies appropriate safe practices, personal protective equipment, and tools/equipment. JSA’s can be completed for worksites, an individual employee’s job description, or a class of employees’ job description. Completed JSA’s are located in **Appendix B**.

The following resources are available for assistance in completing JSA’s:

* Laboratory personnel, please refer to the [Laboratory Hazard Assessment Tool](http://safetyservices.ucdavis.edu/labsafety/implementation-support/hazard-assessment-tool?searchterm=lhat)
* Non-Laboratory personnel, please refer to the [JSA/PPE Certification Forms](http://safetyservices.ucdavis.edu/ps/iipp/jsappe)

*(Example JSAs are located in* [*Appendix B1*](http://safetyservices.ucdavis.edu/ps/iipp) *and* [*Appendix B2*](http://safetyservices.ucdavis.edu/ps/iipp) *of this template)*

1. **Worksite Inspections**

Worksite inspections are conducted to identify and evaluate potential hazards. Types of worksite inspections include both periodic scheduled worksite inspections as well as those required for accident investigations, injury and illness cases, and unusual occurrences. Inspections are conducted at the following worksites:

A. **RMI South**

B. **RMI North**

C. **RMI Sensory Building**

D. **BWF Pilot Plant and Brewery**

E. **Food Science and Technology Building**

Worksite Inspection Forms are located in **Appendix** [**C**](http://safetyservices.ucdavis.edu/environmental-health-safety/health-safety/IIPP_appC1.doc) ([C1 - General Officeand C2 -Laboratory](http://safetyservices.ucdavis.edu/ps/iipp)).

*(Example Worksite Inspection Forms are located in Appendix* [*C*](http://safetyservices.ucdavis.edu/environmental-health-safety/health-safety/IIPP_appC1.doc) *of this template**(C1 - General Office**and* [*C2*](http://safetyservices.ucdavis.edu/environmental-health-safety/health-safety/IIPP_appC2.doc) *-**Laboratory).* **V. Accident Investigation**

University Policy requires that work-related injuries and illnesses be reported to Workers’ Compensation within 24 hours of occurrence and state regulation requires all accidents be investigated.

**1. Food Science and Technology employees** will immediately notify their supervisor when occupationally-related injuries and illnesses occur, or when employees first become aware of such problems.

**2. Supervisors** will investigate all accidents, injuries, occupational illnesses, and near-miss incidents to identify the causal factors or attendant hazards. Appropriate repairs or procedural changes will be implemented promptly to mitigate the hazards implicated in these events. Proper injury reporting procedures can be found at <http://safetyservices.ucdavis.edu/ps/rmwc/wcr/injuryReporting>.

The **Injury and Illness Investigation Form (**[**Appendix D**](http://safetyservices.ucdavis.edu/ps/iipp)**)** shall be completed to record pertinent information and a copy retained to serve as documentation. It can be completed by either the supervisor or the Department Safety Coordinator.

3. **Note:** Serious occupational injuries, illnesses, or exposures must be reported to Cal/OSHA by an EH&S representative **within eight hours** after they have become known to the supervisor. These include injuries/illnesses/exposures that cause permanent disfigurement or require hospitalization for a period in excess of 24 hours. Please refer to [EH&S SafetyNet #121](http://safetyservices.ucdavis.edu/snfn/safetynets/snml/sn121/SN121pdf) for OSHA notification instructions.

**VI. Hazard Correction**

Hazards discovered either as a result of a scheduled periodic inspection or during normal operations must be corrected by the supervisor in control of the work area, or by cooperation between the department in control of the work area and the supervisor of the employees working in that area. Supervisors of affected employees are expected to correct unsafe conditions as quickly as possible after discovery of a hazard, based on the severity of the hazard.

Specific procedures that can be used to correct hazards include, but are not limited to, the following:

• Tagging unsafe equipment “Do Not Use Until Repaired,” and providing a list of alternatives for employees to use until the equipment is repaired.

• Stopping unsafe work practices and providing retraining on proper procedures before work resumes.

• Reinforcing and explaining the need for proper personal protective equipment and ensuring its availability.

• Barricading areas that have chemical spills or other hazards and reporting the hazardous conditions to appropriate parties.

Supervisors should use the **Hazard Alert/Correction Report (**[**Appendix A**](http://safetyservices.ucdavis.edu/ps/iipp)**)** to document corrective actions, including projected and actual completion dates.

If an imminent hazard exists, work in the area must cease, and the appropriate supervisor must be contacted immediately. If the hazard cannot be immediately corrected without endangering employees or property, all personnel need to leave the area except those qualified and necessary to correct the condition. These qualified individuals will be equipped with necessary safeguards before addressing the situation.

**VII. Health and Safety Training**

Health and safety training, covering both general work practices and job-specific hazard training is the responsibility of the **Department Chair** and immediate Supervisor(s) as applicable to the following criteria:

1. Supervisors are provided with training to become familiar with the safety and health hazards to which employees under their immediate direction and control may be exposed.
2. All lab employees must complete the online UC Laboratory Safety Fundamentals class and the PPE : Personal Protective Equipment classes. Other online or in person classes may also be assigned to the employee by their supervisor, the department chair, or the safety coordinator.
3. All new employees receive site specific training prior to engaging in responsibilities that pose potential hazard(s). Forms that cover all required training are available from the Department Safety Coordinator.
4. All employees given new job assignments receive training on the hazards of their new responsibilities prior to actually assuming those responsibilities.
5. Training is provided whenever new substances, processes, procedures or equipment (which represent a new hazard) are introduced to the workplace.
6. Whenever the employer is made aware of a new or previously unrecognized hazard, training is provided.

7. Annual training is provided on the following five items: Illness and Injury Prevention Plan (IIPP), Emergency Action Plan (EAP), Chemical Hygiene Plan (CHP), Hazardous Waste Management, Chemical Spill Response

The **Safety Training Attendance Record** form is located in [**Appendix E**](http://safetyservices.ucdavis.edu/ps/iipp).

1. **Recordkeeping and Documentation**

Documents related to the IIPP are maintained in/at/on: by the Safety Coordinator and are located in each Safety Binder.

The following documents will be maintained within the department’s IIPP Binder for at least the length of time indicated below:

1. Hazard Alert/Correction Forms (Appendix A form).

Retain for three (3) years.

1. Employee Job Safety Analysis forms (Appendix B form)

Retain for the duration of each individual’s employment.

1. Worksite Inspection Forms (Appendix C form).

Retain for three (3) years.

1. Injury and Illness Investigation Forms (Appendix D form).

Retain for three (3) years.

The following documents will be maintained within the department’s IIPP Training Records Binderfor at least the length of time indicated below:

1. Employee Safety Training Attendance Records (Appendix E form).

Retain for three (3) years.

The following document will be maintained within the **IIPP Binder** for at least the length of time indicated below:

 1. FST Emergency Action Plan, updated annually

The following document will be maintained the length of time indicated below:

1. Incident reports and documents pertaining to Workman Comp claims are usually placed in the

employee’s permanent record. These are securely held in RMI North 1136 and will retain

there until the employment ends.

1. **Resources**
2. UC Office of the President: [Management of Health, Safety and the Environment](http://policy.ucop.edu/doc/3500506/MgmtHealthSafetyandEnvironment), 10/28/05
* **ehs.ucop.edu**
1. UC Davis Policy and Procedure Manual, [Section 290-15](http://manuals.ucdavis.edu/ppm/290/290-15.pdf), Safety Management Program
2. California Code of Regulations Title 8, Section 3203, ([8CCR §3203](http://www.dir.ca.gov/title8/3203.html)), Injury and Illness Prevention Program
3. Personnel Policies for Staff Members, Corrective Action, [UC PPSM 62](http://manuals.ucdavis.edu/spp/ppsm62.pdf)
4. UC Davis Environmental Health & Safety
* [Safety Services Website](http://safetyservices.ucdavis.edu/)
* [EH&S SafetyNets](http://safetyservices.ucdavis.edu/snfn/safetynets)
* [Safety Data Sheets](http://safetyservices.ucdavis.edu/ps/cls/msds)