Controlled Substances in Research and Development

BRIEF

Policy Summary

Controlled-substance use in research at Berkeley Lab must comply with all federal regulations, laws, and Department of Energy (DOE) directives. Use of these substances requires implementation of best practices in procurement, accountability, security, and disposal.

No controlled substance or controlled-substance analogue may be created unless prior approval is obtained from the Program Administrator in the Environment/Health/Safety (EHS) Division. No controlled substance may be transferred to or from Berkeley Lab without approval from the Program Administrator in EHS.

Who Should Read This Policy

Employees who work with, handle, procure, or facilitate disposal of controlled substances at Berkeley Lab

To Read the Full Policy, Go To:

The POLICY tab on this wiki page

To Read the ES&H Program Details, Go To:

The Controlled Substances Program Plan

Contact Information

Controlled Substances Program Administrator
Industrial Hygiene Group
EHS
DGBest@lbl.gov

POLICY

A. Purpose

Controlled-substance use in research at Lawrence Berkeley National Laboratory (Berkeley Lab) must comply with all federal regulations, laws, and Department of Energy (DOE) directives. Use of these substances requires implementation of best practices in procurement, accountability, security, and disposal.

B. Persons Affected

Employees who work with, handle, procure, or facilitate disposal of controlled substances at Berkeley Lab.
C. Exceptions

Not applicable

D. Policy Statement

D.1 General (Work Processes A–D)

1. Controlled substances include those defined in Schedules I, II, III, IV, and V of the *Controlled Substances Act* (Title 21 USC Section 812). The *Drug Enforcement Administration* (DEA) is the regulatory agency for controlled substances (21 CFR 1300-1308).
2. Berkeley Lab will maintain DEA registrations (Work Process B) for each off-site location and for the Laboratory main site where controlled substances are used.
3. All personnel who have direct access to controlled substances must register with the Program Administrator (Work Process C) and pass an employee screening (Work Process D; required by DEA).
4. Each authorized controlled substances custodian (authorized custodian) must provide secure storage and maintain inventory records that comply with the DEA regulations.
5. Authorized custodians are encouraged to review the *Exempt Chemical Preparations List* for substances that are not regulated. See [http://www.deadiversion.usdoj.gov/schedules/exempt/exempt_chemlist.pdf](http://www.deadiversion.usdoj.gov/schedules/exempt/exempt_chemlist.pdf).
6. Absolutely no controlled substance may be transported between another institution and Berkeley Lab or from Berkeley Lab to another institution (which includes transportation between Berkeley Lab locations) without prior approval from the Program Administrator. No controlled substance or controlled-substance analogue may be created at any Laboratory location unless prior approval is obtained from the Program Administrator.
7. All personnel are required to report any suspicion of illegal use or diversion of controlled substances to the Program Administrator.

D.2 Acquisition Process (Work Process E)

Controlled substances may only be purchased through eBuy vendors or a one-time purchase order. Blanket purchase orders may not be used.

D.3 Custodianship Process (Work Processes F–G)

1. Per DEA regulation, the substances must be delivered to the address on the registration. For Berkeley Lab, the delivery address is One Cyclotron Road, Building 69, Facilities Receiving. Substances will be tracked by the use of a Chain of Custody document for all transfers between authorized custodians, authorized controlled substances workers (authorized workers), and Berkeley Lab locations (Work Process F).
2. The authorized custodian or worker must notify the Program Administrator of any significant loss of material within one business day of discovery.
3. The authorized custodian must update the Berkeley Lab registration information for:
   a. Changes in the storage location or configuration (Work Process G)
   b. Changes in the quantity or specific substance to be used
   c. Changes to the list of persons having direct access to the controlled substances

D.4 Disposal Process (Work Process H)

1. The authorized custodian notifies the Program Administrator of the need to dispose of excess controlled substance.
3. The authorized custodian follows instructions for Schedule III, IV, or V substances here: [http://www.lbl.gov/ehs/ih/programs/csp/assets/CSdisposalInstrux3_5.pdf](http://www.lbl.gov/ehs/ih/programs/csp/assets/CSdisposalInstrux3_5.pdf)

E. Roles and Responsibilities

Managers, supervisors, and employees must adhere to the provisions of this policy.

<table>
<thead>
<tr>
<th>Role</th>
<th>Responsibility</th>
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<tbody>
<tr>
<td>EHS Division Director</td>
<td>Obtains and maintains appropriate DEA research registrations</td>
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</table>
### Authorized controlled-substances custodian
(Authorized custodian)
- Initiates controlled-substance acquisition process for research use
- Reports any suspicions of illegal use or diversion of a controlled substance
- Obtains prior approval from the Program Administrator for transfers of controlled substances from another institution to Berkeley Lab
- Obtains prior approval from the receiving institution and the Berkeley Lab Program Administrator for transfers of controlled substances to another institution
- Obtains specific authorization from the Program Administrator prior to synthesizing a controlled substance or controlled-substance analogue
- Maintains an up-to-date Berkeley Lab registration form for the project and passes an employee screening
- Maintains proper security controls
- Completes Controlled Substances training
- Reviews the Exempt Chemical Preparations List for substances not subject to DEA regulation
- Reports any loss of a controlled substance to the Program Administrator within 24 hours of discovery
- Maintains accountability for all assigned controlled substances, including purchasing and disposal records and inventory use logs
- Understands and maintains awareness of all activities with controlled substances for which he/she is accountable
- Enters chemicals into the Chemical Management System
- Participates in the initial, annual, and terminal Property Management inventory
- Provides an appropriate storage configuration for controlled substances
- Reports any changes to the Program Administrator of:
  - Storage configuration or location
  - Quantity or substance required for research
  - Personnel having direct access to the controlled substance

### Authorized controlled substances worker
(Authorized worker)
- Reports any suspicions of illegal use or diversion of a controlled substance
- Passes the employee screening process
- Never transfers a controlled substance from another institution or location to Berkeley Lab without prior approval from the Program Administrator
- Never transfers controlled substances from Berkeley Lab to another institution without prior approval from the receiving institution
- Never synthesizes a controlled substance or controlled-substance analogue without specific authorization from the Program Administrator
- Maintains proper security controls
- Makes accurate entries on the inventory/use log for any controlled substance used
- Completes Controlled Substances training

### Subcontract Administrator
- Maintains Procurement records
- Processes one-time purchase requisitions

### Accounts Payable
- Maintains invoice and payment records to vendors of controlled substances

### Receiving
- Receives and secures controlled substances for all locations
- Initiates Chain of Custody and maintains a copy
- Completes Controlled Substances training

### Transportation
- Receives controlled substances for delivery to the research location
- Signs chain of custody as receiver and relinquisher
- Completes Controlled Substances training

### Program Administrator or designee
- Administers and directs the Controlled Substances program
- Receives, reviews, and maintains a file of all Berkeley Lab controlled-substances registration forms
- Notifies the Berkeley Lab Security Manager of a theft or loss of a controlled substance
- Supports the disposal of controlled substances
- Authorizes the synthesis of a controlled substance for research purposes
- Authorizes the transfer of controlled substances to or from Berkeley Lab
- Provides Controlled Substances training
- Approves/disapproves purchase of controlled substances
- Maintains records

### Human Resources
- Performs employee screenings for those noted above
- Communicates with the Program Administrator about the results of employee screenings

### Property Management
- Performs initial and annual physical inventory and conducts inventories for transfers and disposal
- Submits inventory reports to DOE per DOE Order 580.1A
- Maintains appropriate inventory records per DOE Order 580.1A

### F. Definitions/Acronyms

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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<tr>
<td>Authorized custodian</td>
<td>A Berkeley Lab employee responsible for overall possession of the controlled substance for a research project</td>
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<tr>
<td>Authorized worker</td>
<td>A Berkeley Lab employee authorized to receive, handle, access, or manipulate controlled substances for research purposes</td>
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Chain of Custody Form  Laboratory documentation showing the transfer of a substance from one person to another. The form is initiated primarily when the substance has been delivered to Building 69 Receiving prior to delivery to the research location. It must also be used if transferring a controlled substance to an authorized worker in another location.

Chain of Custody (COC)  Chronological documentation showing the custody, control, transfer, analysis, and disposition of a controlled substance. An identifiable person must always have physical custody of a controlled substance used for research purposes.

Direct access  Individuals who have the combination or key to the storage location or who directly handle, receive, manipulate, transfer, or take similar action with the material or container. (Persons who are in the same room at the time the materials are handled but who do not participate in the above activities are not considered as having direct access.)

eBuy  E-commerce ordering system used for low-value catalog items from online catalogs for various suppliers. Catalog items that require special approvals are routed for approval when such items are selected for purchase.

One-time purchase order  A purchase order that is processed through the electronic procurement system. The item must be correctly categorized to ensure that the appropriate approval is obtained.

iBox  A software tracking system that tracks and sorts packages at Laboratory receiving

DEA registrant  The Berkeley Lab function that holds the DEA registration(s). At Berkeley Lab, this is the EHS Division Director.

Program Administrator  The Berkeley Lab employee responsible for administering the Controlled Substances program

PO  Purchase order

G. Recordkeeping Requirements

All records will be kept in accordance with 21 CFR 1304.

H. Implementing Documents

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I. Contact Information
J. Revision History

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<td>Update to align with 21 CFR 1300-1321</td>
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Document Information

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Source Requirements Documents

- DOE Order 580.1A, *Department of Energy Personal Property Management Program* Contractor Requirements Document
- 21 CFR 1300-1321, *Regulations for Controlled Substances*
- Title 21 USC 802(6), *Controlled Substances Act*

Other Driving Requirements


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