

CALIFORNIA ENVIRONMENTAL QUALITY ACT

NOTICE OF EXEMPTION

To: Office of Planning and Research
State Clearinghouse
P.O. Box 3044, 1400 Tenth Street, Room 212
Sacramento, California 95812-3044

From: Department of Toxic Substances Control
Permitting Division
8800 Cal Center Drive
Sacramento, California 95826

Project Title: Emergency Permit for Management of Hazardous Waste, Lawrence Berkeley National Laboratory, Berkeley, California

Project Location: 1 Cyclotron Road, Berkeley, California 94720

County: Alameda

Project Applicant: Maria Nappi, EHS Division Director

Approval Action Under Consideration by DTSC: Emergency Permit

Statutory Authority: California Health and Safety Code, Chapter 6.5

Project Description: The California Department of Toxic Substances Control (DTSC), pursuant to authority granted under California Code of Regulations (CCR), Title 22, Division 4.5, Chapter 20, Sec. 66270.61, has issued an Emergency Permit to the Lawrence Berkeley National Laboratory (LBNL), (EPA ID# CA4890008986 and EPA ID# CAR000355735) to treat hazardous wastes through a controlled reaction with chemical solutions. Specifically, two (2) 1-gram containers of 1H-tetrazole, one (1) 25-gram container of N-nitroso-N-methylurea, one (1) 500-milliliter container of 1,6-Bis(acryloyloxy)hexane (stabilized with 4-methoxyphenol), one (1) 1-liter container of 2-butanol, one (1) 500-milliliter container of 2-hydroxyethyl methacrylate, one (1) 250-gram container of 4-methylstyrene, one (1) 50-gram container of benzoyl peroxide (98%), four (4) 40-milliliter containers of methyl methacrylate, and one (1) 1-liter container of styrene must be stabilized prior to transport to an authorized hazardous waste treatment, storage, and disposal facility.

These chemicals are currently being stored at LBNL at the following locations:

- LBNL Building 1 Donner Lab, 116 Donner Drive, UC Berkeley Campus, Berkeley, California 94720 (EPA ID# CA4890008986)
- Building 55 on Main Hill Site, 1 Cyclotron Road, Berkeley, California 94720 (EPA ID# CA4890008986)

State of California – California Environmental Protection Agency
Department of Toxic Substances Control

DTSC has determined as a safety precaution to prevent an accident or severe injury, an Emergency Permit should be issued to chemically stabilize the hazardous wastes prior to storage and eventual transportation off-site by Clean Harbors Environmental Services (Clean Harbors).

Background: The containers have peroxide formation present on either the inside, outside, or the bottom of the chemicals' containers, as well as the thread container caps. The presence of peroxide formation may be unstable at relatively low concentrations, resulting in fire and/or explosion if improperly handled. Shock and/or temperature sensitive materials can decompose or detonate with external energy when dry or concentrated. If the material is improperly handled, there is a potential for a reaction, which includes fire, deflagration, or detonation. Due to the presence of peroxide formation/shock-sensitive materials, DTSC considers these chemicals to be an imminent and substantial endangerment to human health and the environment. Chemical stabilization is recommended prior to transport to a permitted treatment, storage, and disposal facility.

Project Activities: The treatment of these hazardous wastes involves the addition of solutions to the containers in a controlled manner to reduce the reactive or ignitable characteristics of the chemicals. Treatment will take place within a designated exclusion zone. Only technicians from Clean Harbors will be allowed in the exclusion zone. Movement, preparation, and treatment of the containers will be in accordance with established standards.

Within 10 business days of the expiration of this permit, LBNL will submit a final report, signed in accordance with Title 22, CCR Sec. 66270.11(d). The report shall include certification that the treatment area has been cleared of all residual hazardous waste generated from this emergency treatment and all generated waste has been properly managed. The Emergency Permit is effective beginning October 11, 2024, and shall expire on January 8, 2025.

Name of Public Agency Approving Project: Department of Toxic Substances Control

Name of Person or Agency Carrying Out Project: Clean Harbors Environmental Services

Exempt Status: Emergency Project [Public Resources Code (PRC), Sec. 21080(b)(4); 14 CCR, Sec.15269(b)(c)]

Reasons Why Project is Exempt: This action is necessary to prevent an emergency. Chemical stabilization of the chemicals is necessary prior to transportation to an authorized hazardous waste treatment, storage, and disposal facility to prevent accidental fire and/or explosion during transport.

State of California – California Environmental Protection Agency
Department of Toxic Substances Control

The administrative record for this project is available to the public by appointment at the following location:

Department of Toxic Substances Control
Permitting Division
File Room
8800 Cal Center Drive
Sacramento, CA 95826

Approver's Name

Alejandra Cruz

Approver's Title

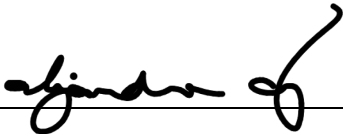
Hazardous Substances
Engineer

Approver's Phone Number

(510) 540-3816

Approver's Signature:

Date:



October 3, 2024

TO BE COMPLETED BY OFFICE OF PUBLIC RELATIONS (OPR) ONLY

Date Received for Filing and Posting at OPR: