

CALIFORNIA ENVIRONMENTAL QUALITY ACT

2019120270

NOTICE OF EXEMPTION

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

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

Project Title: EMERGENCY PERMIT FOR TREATMENT OF HAZARDOUS WASTES, LAWRENCE BERKELEY NATIONAL LABORATORY, EMERYVILLE, CALIFORNIA

Project Location: 5885 Hollis Street, 3rd and 4th Floor, Emeryville, Alameda County

Project Applicant: Andrew Cullen, Waste Management Chemist, Lawrence Berkeley National Laboratory (LBNL)

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, Title 22, Division 4.5, Chapter 20, Section 66270.61, has issued an Emergency Permit to LBNL (EPA ID# CAR000191841) to treat hazardous wastes through a controlled reaction with a chemical solution. Specifically, 0.525L 2,2-Dimethoxypropane, 15.7L 1,4-Dioxane, 7L Diethyl Ether, 1L Diisopropyl Ether, 6.8L Furfural, 0.1L Isoprene, 0.05L Limonene, 22L Tetrahydrofuran, 0.5L Tetrahydronaphthalene, 0.1L Triethyl Orthoformate, 0.6L 3-Methyl-1-Butanol, 0.51L Acrylic Acid, 0.35L Styrene, 250g 1-Hydroxybenzotriazole, 0.04L Trimethylsilyldiazomethane, 10g Trimethylsilyl Azide, 30g Ethyl Diazoacetate, 75g 2,4-Dinitrophenylhydrazine, 30g Diphenylphosphoryl Azide, 0.1L Diisobutylaluminum Hydride, 0.5L Perchloric Acid, 2g 2,2-Azobisisobutyronitrile, 25g 3-Chloroperoxybenzoic Acid, 50g Diazald (N-Methyl-N-Nitroso-PToluenesulfonamide), 200g Sodium Azide, peroxide forming materials, must be stabilized prior to transport to a permitted treatment, storage, and disposal facility.

The hazardous waste items are expired and are currently being stored on the LBNL located at 5885 Hollis Street, 4th Floor, Emeryville, CA 94608. 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 waste prior to transportation off-site by Clean Harbors Environmental Service (CHES).

Background: Above chemicals produce peroxide as it degrades (i.e. after the product's expiration date) and are shock/temperature sensitive. The peroxide produced may be unstable at relatively low concentrations, resulting in fire and/or explosion if improperly handled. Static electricity or heating from sunlight may be enough to trigger some peroxides' reaction, making transport of non-stabilized peroxide forming chemicals hazardous. Chemical stabilization is recommended prior to transport to a permitted treatment, storage, and disposal facility.

Project Activities: The treatment of the hazardous wastes involves the addition of solution to the containers in a controlled manner to reduce the reactive or ignitable characteristics of the chemical. Treatment will take place within a designated exclusion zone. Only technicians from CHES will be allowed in the exclusion zone. Movement, preparation, and treatment of the items 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, California Code of Regulations section 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 December 13, 2019 and shall expire on March 11, 2020.

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

Name of Person or Agency Carrying Out Project: Clean Harbors Environmental Service on behalf of LBNL

Exempt Status: Emergency Project [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 a permitted treatment, storage, and disposal facility to prevent accidental fire and/or explosion during transport.

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

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

Contact Person
Hai-Yong Kang

Contact Title
Hazardous Substances Engineer

Phone Number
916-255-6522



December 12, 2019

Approver Signature

Date

Approver Name
Hai-Yong Kang

Approver's Title
Hazardous Substances Engineer

Approver's Phone Number
916-255-6522

TO BE COMPLETED BY OPR ONLY

Date Received for Filing and Posting at OPR:

Governor's Office of Planning & Research

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