

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, CA 95812-3044

From: Department of Toxic Substances Control
Permitting Division
9211 Oakdale Avenue
Chatsworth, CA 91311

Project Title: Lighting Resources LLC., Approval of the Temporary Authorization for Air Pollution Control System

Project Location: 805 East Francis Street, Ontario, California 91761

County: San Bernardino County

Project Applicant: Susan Richard

Approval Action Under Consideration by DTSC: Approval of the Temporary Authorization for Air Pollution Control System

Statutory Authority: California Health and Safety Code, Division 20, Chapter 6.5

Project Description: The Department of Toxic Substances Control (DTSC) approves the Temporary Authorization to install and operate an Air Pollution Control System (APCS) as a part of the existing Lamp Machine (Unit 5 - Treatment Area #1, Lamp Machine miscellaneous unit described in the 2022 permit by DTSC). The Lamp Machine will be upgraded by adding two APCS. The operation of the two APCS keeps the Lamp Machine under negative pressure to keep hazardous waste (phosphorous powder and mercury vapor) from escaping.

The project is for temporary authorization to install an upgraded air pollution prevention system to existing equipment with minimal physical or operational changes and no ground disturbing activities.

Background: DTSC issued the first Series A Standardized Hazardous Waste Facility Permit (Permit) to Lighting Resources, LLC (LRL) in 1996 and renewed the authorization by issuing a renewal permit in 2007. The permit was renewed again in 2022. The permitted storage and treatment activities involve the management of offsite generated hazardous waste [spent fluorescent lamps, High Intensity Discharge (HID) lamps, other spent mercury-containing lamps, mercury-containing instruments (e.g. manometers), and intact Polychlorinated biphenyls (PCB)-containing lighting ballasts].

Nine units are authorized by the currently issued permit.

- (1) Universal Waste Lamp Storage Area #1 (Lamp Storage Area, Unit ID #1) - Storage of spent fluorescent lamps and spent HID lamps.
- (2) Universal Waste Storage Area #2 (Trailer Storage Area, Unit ID #2) - Spent fluorescent and/or spent HID lamps are stored in containers and trailers prior to introduction into the recycling processes.
- (3) Hazardous Waste Storage Area #1 (Unit ID #3) - Storage of mercury-containing phosphor powder, waste PCB lighting ballasts and transformers, mercury-containing devices, liquid mercury, ampoules, and crushed and broken lamps.
- (4) Hazardous Waste Storage Area #2 (HID Storage Area, Unit ID #4) - Storage of spent HID and similar mercury-containing (biax/compact/shatter shield) lamps, spent fluorescent lamps which contain mercury phosphor powder, and nonhazardous lamps.
- (5) Treatment Area #1 (Lamp Machine, Unit ID #5) – Treatment (de-manufacturing) process that crushes the outer glass of the fluorescent lamps and separates the glass, metal end caps, and mercury containing phosphor powder.
- (6) Treatment Area #2 (HID Glove Box, Unit ID #6) – Treatment in a miscellaneous unit by disassembling and recovering mercury-containing powders from HID lamps, “compact fluorescent lamps” (lamps with ballasts physically attached), U-tube lamps, wastewater treatment lamps, copy machine lamps, and mercury-containing instruments.
- (7) Storage Unit (Unit ID #7, Proposed) – Proposed unit to hold intact spent fluorescent and spent HID lamps on pallets prior to processing in the lamp crushing machine. Universal waste batteries and e-waste may also be stored and handled on pallets.
- (8) Hazardous Waste Storage Area (Unit ID #8, Proposed) – Proposed unit for storage of mercury containing phosphor powder, PCB ballasts and transformers, liquid mercury and broken mercury devices, ampoules, and crushed and broken lamps in containers.
- (9) Balcan Lamp Machine (Proposed), Hazardous Waste Treatment Unit 3 (Proposed Unit ID #9) - Proposed unit to house Balcan MP8000 lamp processing machine (a completely self-contained, negative pressure lamp processor) to separate, clean, and collect components of mercury containing and incandescent type lamps and all other types of lamps authorized to be treated at the LRL facility.

Project Activities: The Lamp Machine (Unit 5, Miscellaneous Unit) will be upgraded by adding two APCS. Each APCS includes one baghouse, two pre-filters, two HEPA filters and a granular activated carbon (GAC) cartridge. The operation of the two APCS keeps the Lamp Machine under negative pressure to keep phosphorous powder and mercury vapor from escaping. The two APCS will reduce the possibility of a release of hazardous waste or hazardous waste constituents at LRL's permitted hazardous waste storage and treatment facility.

The physical and operational changes to the Lamp Machine will be minimal. There will be no ground disturbing activities.

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

Name of Person or Agency Carrying Out Project: Lighting Resources, LLC

Exempt Status: Categorical Exemption: [14 CCR Section 15308]

Reasons Why Project is Exempt: DTSC has determined that none of the exceptions to the categorical exemptions apply to this project, as described in Public Resources Code Section 21084(c), (d), and (e), and 14 CCR Section 15300.2. The temporary authorization to install and operate APCS is consistent with the actions taken by a regulatory agency for protection of the environment [14 CCR Section 15308].

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

Department of Toxic Substances Control
Permitting Division
9211 Oakdale Avenue
Chatsworth, CA 91311

Contact Person	Contact Title	Phone Number
Paulette Penton	Hazardous Substances Scientist	(818) 717-6577

Approver's Signature:



Date:

March 8, 2024

Approver's Name	Approver's Title	Approver's Phone Number
Muzhda Ferouz	Supervising Hazardous Substances Engineer II	(916) 255- 3749

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Date Received for Filing and Posting at OPR: