Air Resources Board

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Matthew Rodriquez
Secretary for
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Governor

March 8, 2016

Public Workshop Notice

Air Pollution Control Measure: Cold Storage Stationary Operating Time Limits for Transport Refrigeration Units

Dear Madam or Sir:

The California Air Resources Board (ARB or Board) staff invites you to participate in the first of a series of public workshops where staff will discuss concepts designed to reduce air pollution from refrigeration units used to transport temperature-sensitive products (such as food and pharmaceuticals). These refrigeration units, typically referred to as transport refrigeration units (TRUs), emit air pollutants which pose a potential threat to both public health and the environment. Owners of TRUs that operate in California, facilities in California where TRUs operate (such as grocery stores, distribution centers, warehouses, ports, and rail yards), and people living near these facilities should consider participating in these workshops. At the workshop, staff will request suggestions on how to reduce emissions related to stationary TRU operations, and request comments on the concepts presented by staff.

Workshop Information

Date:	April 13, 2016
Time:	10:00 a.m. to 12:00 p.m.
Location:	Sierra Hearing Room (2nd floor)
Address:	CalEPA Headquarters Building 1001 I Street Sacramento, California 95814

For directions, transportation options, and parking information, please visit the following webpage: http://www.calepa.ca.gov/EPABldg/location.htm.

This workshop will be webcast. The webcast connection is at: http://www.calepa.ca.gov/broadcast. During the webcast we will accept questions and comments sent via email to sierrarm@calepa.ca.gov.

Background

TRUs are refrigeration systems designed to control the environment of temperature-sensitive products that are transported in trucks, trailers, shipping containers, and railcars. Most TRUs are powered by diesel engines that are located inside the unit housing. These engines emit diesel particulate matter, oxides of nitrogen, greenhouse gases, and other pollutants while in transit and during stationary operation.

The concepts that will be discussed at the workshop focus on reducing the amount of time that TRUs operate using diesel power while refrigerated trucks, trailers and shipping containers are parked (stationary) at certain California facilities and other locations. These concepts affect TRUs, as well as the many types of facilities and locations where TRUs operate. These facility types and locations include, but are not limited to, grocery stores, grocery distribution centers, foodservice distribution centers, food manufacturing facilities, wholesale distribution centers, logistics facilities, cold storage warehouses, truck stops, port terminals and depots, intermodal facilities, airports, public rest areas, carrier terminals, rail yards, rail sidings, fairs and events, restaurants, and convenience stores.

Staff believes that stationary TRU operations could be reduced by using vehicle tracking technologies (such as GPS) and transportation management systems and procedures to reduce the time spent waiting to load or unload refrigerated goods at distribution centers and cold storage warehouses. In addition, greater use of hybrid-electric TRUs, which can be plugged into the electric power grid to run on electricity when parked, could reduce stationary engine operation. Also, cryogenic transport refrigerators (which use liquid air, nitrogen or carbon dioxide to cool cargo), or all-electric shipping containers (plugged into the electric power grid) could be used for cold storage instead of conventional diesel engine-powered TRUs. Implementation would be phased in between 2020 and 2030.

This effort was initiated in April 2015 in response to ARB Board direction to staff to pursue the development of near-term actions described in the *Sustainable Freight: Pathways to Zero and Near-Zero Emissions, Discussion Draft*. One of those near-term actions is to develop and propose requirements that would reduce emissions from TRUs powered by diesel and other fossil-fueled engines for cold storage and stationary operations. This action goes beyond the existing TRU Airborne Toxic Control Measure (ATCM), which was adopted in 2004 (and amended in 2010 and 2011) to reduce diesel particulate matter (PM) emissions from TRU engines.

Special Accommodation Requests

Consistent with California Government Code Section 7296.2, special accommodation or language needs may be provided for any of the following:

- An interpreter to be available at the meeting;
- Documents made available in an alternate format or another language;
- A disability-related reasonable accommodation.

To request these special accommodations or language needs, please contact Mr. Skott Wall at (916) 323-0787 or email at Skott.Wall@arb.ca.gov as soon as possible, but no later than 5 business days before the scheduled meeting. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.

Consecuente con la sección 7296 .2 del Código de Gobierno de California, una acomodación especial o necesidades lingüísticas pueden ser suministradas para cualquiera de los siguientes:

- Un intérprete que esté disponible en la audiencia;
- Documentos disponibles en un formato alterno u otro idioma;
- Una acomodación razonable relacionados con una incapacidad.

Para solicitar estas comodidades especiales o necesidades de otro idioma, favor de contactar a Skott Wall al (916) 323-0787 o skott.wall@arb.ca.gov lo más pronto posible, pero no menos de 5 días de trabajo antes de la junta programada. TTY/TDD/Personas que necesiten este servicio pueden marcar el 711 para el Servicio de Retransmisión de Mensajes de California

Further Information

For more information, see the Cold Storage Control Measure for TRUs Website at: http://www.arb.ca.gov/cc/cold-storage/cold-storage.htm.

Plugging in transport refrigerators while at loading docks or parking spots is a great way to reduce emissions, noise, and operating costs. Year 5 of the Proposition 1B: Goods Movement Emission Reduction Program (Prop 1B) is offering an option for reimbursement of up to $3,000 per electric power plug installed. The Bay Area, San Joaquin and Sacramento Air Districts are currently accepting applications for projects through April 15, 2016. Additional information could be found on the Prop. 1B website: www.arb.ca.gov/gmbond

If you have any questions regarding this or other TRU funding options, please send an email to gmbond@arb.ca.gov with the subject line: TRU Funding.

If you have any questions about the workshop, please contact Mr. Rodney Hill at (916) 327-5636 or email rodney.hill@arb.ca.gov. Questions related to the TRU ATCM may be directed to ARB's TRU Help Line at (888) 878-2826 or contact us via email at: tru@arb.ca.gov.

Sincerely,

Richard Boyd

Richard Boyd, Chief
Emissions Assessment Branch
Transportation and Toxics Division

cc: Rodney Hill
Staff Air Pollution Specialist
Process Evaluation Section
Transportation and Toxics Division