

**APPENDIX C**

**SUMMARY OF INFORMATION FROM  
MANUFACTURERS, OPERATORS, AND FACILITIES**

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#### A. General Information

The table below summarizes general information gathered during the development of the Proposed Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRUs) and TRU Generator Sets, and Facilities Where TRUs Operate (proposed ATCM). Staff greatly appreciate the cooperation of the many manufacturers, operators, and facility representatives who provided information about TRUs and TRU generator sets and their operation in California.

Information Requested	Responses
TRU and TRU Generator Set Configurations	<ul style="list-style-type: none"> <li>• Straight Truck Van TRU with integral engine</li> <li>• Straight Truck Van TRU powered off truck engine</li> <li>• Semi-trailer Van TRU</li> <li>• Semi-trailer Van TRU with TRU generator set</li> <li>• Domestic Shipping Container TRU with integral engines</li> <li>• Shipping Container TRUs with TRU generator sets</li> <li>• Railcar TRUs with integral engines</li> <li>• "Road Railer" Trailer Van TRUs with integral engines or TRU generator sets</li> </ul>
Responsibility for Operation and Maintenance	<ul style="list-style-type: none"> <li>• By owner-operator;</li> <li>• Under terms of lease; and/or</li> <li>• Under terms of other contracts or agreements</li> </ul>
TRU and TRU Generator Set Engine Life	20,000 to 30,000 hours of operation; however, most are replaced earlier (e.g. when vehicle is replaced)
TRU and TRU Generator Set Operation	1,000 to 3,000 hours per year; most cycle on and off but will continuously operate to run a fan when cargoes require continuous air flow
Age of Semi-trailer/Truck Vans, Railcars	Current Model Year to 30 or more years
Geographic Range of Commodity Transport by Semi-trailer/ Truck Vans	<ul style="list-style-type: none"> <li>• Local</li> <li>• Regional</li> <li>• Intra-state</li> <li>• Inter-state</li> <li>• Canada</li> <li>• Mexico</li> <li>• Any combination of the above</li> </ul>
Number of TRUs Per Semi-trailer/Truck Vans	Range: 1 to 1,300
Semi-trailer/Truck Van Road Time Per Trip	Range: 20 minutes to 72 hours Average or Mode: 13 hours
Semi-trailer/Truck Van Pre-chill Time	Range: 0 to 2 hours Average: 1 hour

<b>Information Requested</b>	<b>Responses</b>
Semi-trailer/Truck Van Time From Finished Loading to Departure	Range: 0 to 24 hours
Facility Operation	The majority of facilities schedule appointments for unloading. Electrical stand-by is not commonly provided because most TRUs are not equipped to operate on electrical stand-by and installation is costly.