

Workshop on Proposed Amendments to the Solid Waste Collection Vehicle Regulation Including Heavy Cranes



September 19, 2018 (Sacramento)
September 21, 2018 (Diamond Bar)

Outline

- Background
- Proposed amendments
 - Solid Waste Collection Vehicles (SWCV)
 - Single Engine Heavy Cranes
- Next steps

Solid Waste Collection Vehicle Regulation

- Applies to diesel trucks with 2006 or older model year engines
 - Haul waste for a fee
 - Have a gross vehicle weight rating (GVWR) greater than 14,000 pounds
- Effective July 2004
- PM filters on all diesel trucks by December 2010
 - Exemption for back-up vehicles
- One of several regulations to reduce adverse health effects from diesel PM from trucks operating in communities

Single Engine Heavy Cranes

- Currently subject to the Truck and Bus regulation
 - Treated the same as other trucks
- Limited ability to safely retrofit or replace engine
 - Extension for infeasible PM filter retrofit expired January 1, 2018
- High replacement cost
 - No other viable options to address emissions

New Law Changes DMV Registration

- Diesel trucks will not be able to register beginning January 1, 2020 unless meeting the requirements of the Truck and Bus Regulation
 - Gross vehicle weight rating over 14,000 lbs
- Diesel vehicles subject to other regulations need to be identified to avoid registration delays

Issues to Address

- Clarify definitions of vehicles subject to the SWCV regulation
 - Intermittent use as SWCV
 - Other changes in truck type or how vehicle is used
- Add feasible compliance option for heavy cranes
 - Recognize high costs and limited ability to retrofit
- Reporting needed
 - Clearly identify applicable rule
 - Improve enforceability
 - Avoid registration delays

Proposed Amendments for Solid Waste Collection Vehicles



Clarification of SWCV Definition

- Current language based on usage that can vary
 - Used for the purpose of collecting residential and commercial solid waste for a fee
 - Does not specify if exclusive or intermittent use
- Propose to simplify by using truck body type
 - Garbage-Packer
 - Garbage-RollOff
- Is there a need to identify other truck types?

Proposed SWCV Reporting Requirement

- Report SWCVs by July 1, 2019
 - Existing 1960-2006 model year diesel engine trucks
 - Report changes within 30 days of truck purchase/sale
- Report annual mileage for back-up vehicles each January
- Report in Truck Regulations Upload and Compliance Reporting System (TRUCRS)
 - Many fleets with SWCVs already report other trucks in TRUCRS

Reporting Information Needed

- Company Information
- Diesel vehicle information
 - VIN
 - License plate
 - Body type
 - Engine information
 - Compliance option (heavy crane, SWCV, back-up, PM filter)
 - PM filter retrofit information if applicable
 - Backup vehicle odometer each January
- Consistent with record keeping requirements

On-Road Single Engine Heavy Cranes



Single Engine Heavy Cranes

- CARB has worked closely with the heavy crane industry since 2012 to address issues specific to these vehicles
- Heavy cranes have strict OSHA requirements that limit the ability to retrofit existing vehicles
- New equipment substantially more costly than most trucks
 - Little to no options to retrofit or replace engine/vehicle
- Need sufficient time to replace equipment
- Some heavy cranes have already been upgraded
- Two-engine cranes are subject to Off-Road In-Use Vehicle regulation

Proposed Heavy Cranes Definition

- GVWR rating of 54,000 pounds or more
- Is required to be operated by a licensed crane operator
- Has a single on-road engine that is certified as power-operated equipment that can hoist, lower, and horizontally move a suspended load
- Not designed to carry cargo
- Represents about 700 heavy cranes in 200 fleets

Proposed Heavy Crane Requirements

- Phase-in 2010 engines 2019 to 2027
 - Meet model year schedule, or
 - Crane fleet percentage schedule
- Grandfather in heavy cranes equipped with a PM filter by January 1, 2018
 - Treats same as meeting final requirements
- Backup vehicle exemption
 - Up to 1,000 miles per year in California
 - No hour limitations

Heavy Crane Model Year Schedule

- Upgrade to 2010 engine based on engine year
- Meets legal requirement for minimum useful life
 - Minimum 13 years
 - Up to 18 years if <800,000 miles
 - Uses model year engine first certified for that emission standard

| Engine Year | Upgrade to 2010 Engine January 1 |
|---------------|----------------------------------|
| 2003 or older | 2019 |
| 2004-2006 | 2022 |
| 2007-2009 | 2025 |
| 2010 | 2028 |

Crane Fleet Percentage Schedule

| Compliance Deadline as of January 1 | Required Crane Fleet Upgrades to 2010 Model Year Engines | | | |
|---|--|----------|----------|------------|
| | 1 Crane | 2 Cranes | 3 Cranes | >=4 Cranes |
| 2019 | | | 1 | 20% |
| 2020 | | 1 | | 30% |
| 2021 | | | | 40% |
| 2022 | 1 | | 1 | 50% |
| 2023 | | | | 60% |
| 2024 | | | | 70% |
| 2025 | | 1 | | 80% |
| 2026 | | | 1 | 90% |
| 2027 | | | | 100% |

Proposed Heavy Crane Reporting Requirement

- Report heavy cranes by July 1, 2019
 - Report changes to fleet within 30 days of purchase/sale
- Report annual mileage for back-up vehicles each January
- Report in TRUCRS
- Annual reporting January to update compliance
- Certificate required by motor carriers, brokers, and dispatchers

Reporting Information Needed

- Company Information
- Diesel vehicle information
 - VIN
 - License plate
 - Body type
 - Engine information
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 - PM filter retrofit information if applicable
 - Backup vehicle odometer each January
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Proposed Timeline

- Workshops
 - September 19, 2018 in Sacramento
 - September 21, 2018 in Diamond Bar
- Initial comments due October 5, 2018
- Staff report release December 4, 2018
 - 45 day comment period
- Board hearing to consider regulation January 2019

Contact Information

- Solid Waste Collection Vehicles:
<https://www.arb.ca.gov/msprog/swcv/swcv.htm>
- Truck and Bus Program Reporting:
https://ssl.arb.ca.gov/ssltrucrsto/trucrs_reporting/login.php
- Financial Assistance and General Information for Diesel Trucks:
<https://www.arb.ca.gov/msprog/truckstop/tb/truckbus.htm>
(TruckStop)
- Diesel Hotline: 866-6Diesel (866-634-3735) or 866Diesel@arb.ca.gov