

# 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
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- Consistent with record keeping requirements

# 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](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](mailto:866Diesel@arb.ca.gov)