



# Clean Truck Check

(Heavy-Duty Vehicle Inspection and Maintenance)

North Central Texas Council of Governments – HDDV I/M Working Group Meeting

August 17, 2023

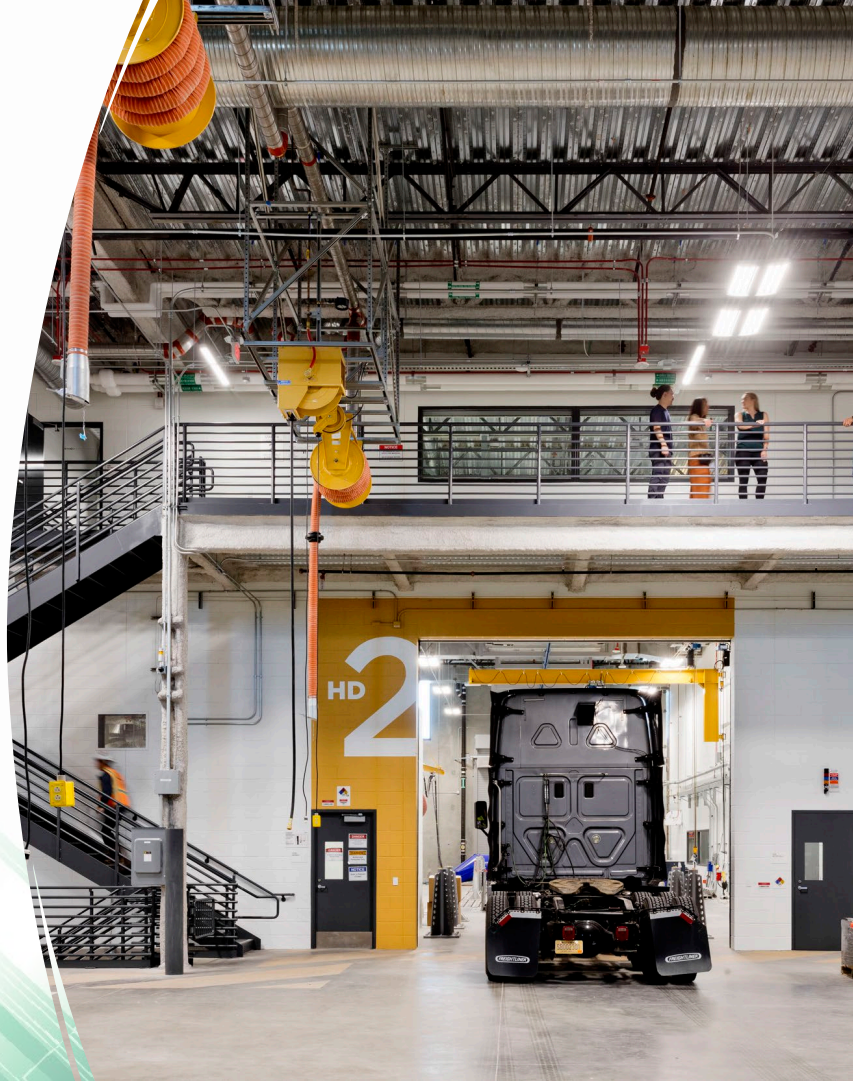
Krista Fregoso – Mobile Source Control Division

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# Topics

- Clean Truck Check Overview
  - Formerly referred to as HD I/M
- Phase-in Implementation
- Major Program Components
- Upcoming Requirements
- OBD Device Certification
- Resources



# Clean Truck Check Overview

## What vehicles are regulated?

- Diesel and alternative fuel heavy-duty vehicles over 14,000 lbs. operating in California, including public agency vehicles, owner-operator vehicles, California motorhomes, out-of-state vehicles

## What is status of the Periodic Smoke Inspection Program (PSIP)?

- PSIP is still in effect
- It will sunset once Clean Truck Check periodic testing requirements take effect in 2024

## Is enforcement ensuring equity?

- Compliance is linked to DMV registration beginning in 2024
- CARB enforcing out-of-state vehicle compliance
- CHP enforcement



# Clean Truck Check Implementation

High-emitter vehicle screening using PEAQS and Enforcement



Periodic testing begins

- Effective for all compliance deadlines on/after 7/1/2024
- Compliance tests can start to be submitted in April

Phase 1: January 2023

Phase 2: Dec 31, 2023

Phase 3: July 1, 2024



Open Reporting Season:  
Oct-Dec 2023

- Owner/vehicle reporting
- Pay compliance fee
- Freight contractor and facility requirements start



Phase 1:

# High-Emitter Vehicle Screening and Compliance Testing

# Roadside Emissions Monitoring for High-Emitter Vehicle Screening

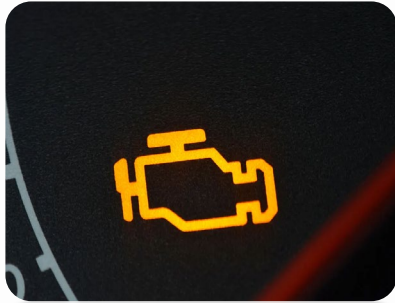
- Started on January 1, 2023
  - CARB's Portable Emissions Acquisition System (PEAQs)
    - Roadside emissions monitoring network throughout California to identify potential high emitters for compliance testing
    - Monitors BC and NOx emissions
    - Automated License Plate Recognition (ALPR) cameras
- Notice to Submit to Testing (NST) letters issued to owners of potential high emitters



# Notice to Submit to Testing (NST) Letters

- ~1,200 NST letters issued since February 10, 2023 (50/week)
  - Screened ~16,000 vehicles with mobile units
  - Screened ~310,000 vehicles with permanent units
  - Conducted ~6,000 roadside inspections (nearly 75% in disadvantaged communities)
- Compliance test methods based on vehicle technology: OBD or non-OBD
  - 30 days to submit passing compliance test
    - Failure to do so results in an enforcement violation

# Compliance Test Methods



- **OBD vehicles:**
  - OBD scan of CARB's required parameters (No MIL-related issues can be present)
  - Applies to:
    - 2013+ model year diesel engines, including diesel hybrids
    - 2018+ model year alternative fuel engines, including alternative fuel hybrids
  - Streamlined test process and data submission for vehicle owner



- **Non-OBD vehicles:**
  - SAE J1667 opacity test using compatible smoke meters
  - Vehicle emissions control equipment inspection (visual inspection)

# OBD Test Device Options

- Continuously connected (CC)
  - Telematics service providers
  - Assigned to an individual vehicle
  - Connected during compliance window
- Non-continuously connected (NCC)
  - Scan tool manufacturers
  - Used on multiple vehicles
  - Testing must be performed by credentialed tester
- All devices must be CARB-certified



# Clean Truck Check Referee Services

- Contract with the Center for Environmental Research and Technology (CE-CERT), University of California at Riverside, for implementation
- Referee as CARB trusted Clean Truck Check inspectors
- Provides independent inspection and compliance verification for vehicles with testability or compliance issues
- Currently in soft-launch period
  - Website: [Carbtest.org](https://carbtest.org)
  - Physical locations in northern and southern California:
    - California State University, Fresno
    - CE-CERT facility at UC Riverside
  - Mobile services to be available

Phase 2:

# Open Reporting Season – Fall 2023

# Upcoming Phase 2 Requirements

- June 2023 - CARB announced expected timing of Phase 2
  - Clean Truck Check database system to be available in Fall 2023
  - Oct. 1 – Dec. 31, 2023: projected timeframe for vehicle owners to:
    - Create owner accounts
    - Report vehicle-specific data
    - Pay \$30/vehicle compliance fees for 2023
- CARB webinars/instructional videos planned to start in October
  - Assist vehicle owners in navigating database
- For more information: [June 2023 Guidance to Vehicle Owners on Upcoming Requirements | California Air Resources Board](#)

Phase 3:

# **Full Implementation - Periodic Compliance Testing Begins!**

# Upcoming Phase 3 Requirements

- Phase 3 periodic testing requirements projected to start in July 2024
- CARB to release additional information later in summer 2023
- Sign up to receive notification on Phase 3 requirements:  
[https://public.govdelivery.com/accounts/CARB/subscriber/new?topic\\_id=hdim](https://public.govdelivery.com/accounts/CARB/subscriber/new?topic_id=hdim)

# Periodic Testing Requirements

- Semiannual testing (2x/year)
  - Increases to quarterly testing for most OBD-equipped vehicles three years after periodic inspections begin (2027 timeframe)
- Periodic Smoke Inspection Program (PSIP) sunsets when periodic testing begins
  - Continue with annual PSIP inspections until CARB announces its end
  - PSIP allows fleets to submit OBD data in lieu of performing smoke opacity inspections: must use CARB-verified OBD test device



# Periodic Testing Compliance Deadlines

- Typical California registered vehicles
  - A vehicle's compliance test deadline would align with the DMV registration dates like Smog Check
- Non-California and government vehicles
  - Applies to CA exempt-plated vehicles, federal vehicles, and out-of-state vehicles
  - Compliance test deadlines are based on the last digit of the VIN
  - A vehicle's compliance test deadline would align with the last day of the month based on the corresponding month in the table

<u>VIN</u>	<u>Month</u>
0	October
1	November
2	December
3	January
4	February
5	March
6	April
7	May
8	June
9	July

OBD Device Certification:

# **All Devices Used For Clean Truck Check Must Meet Requirements**

# OBD Test Device Certification

- All devices must be approved by CARB
- Annual open application period closed on June 30, 2023
  - Next application window is planned for June 2024
- CARB staff is reviewing applications and working with vendors to meet all requirements
  - Devices must follow requirements in '*California Standards for Heavy-Duty Remote On-Board Diagnostic Devices*' ([Attachment B](#))
- All CARB-approved devices are available on our website: <https://ww2.arb.ca.gov/our-work/programs/inspection-and-maintenance-program/obd-test-devices>

# Clean Truck Check Resources

- Program homepage:  
<https://ww2.arb.ca.gov/our-work/programs/heavy-duty-inspection-and-maintenance-program>
- CARB's TruckStop webpage:  
<https://ww2.arb.ca.gov/sites/default/files/truckstop/hdim/hdim.html>
- Subscribe to receive program updates:  
[https://public.govdelivery.com/accounts/CARB/subscriber/new?topic\\_id=hdim](https://public.govdelivery.com/accounts/CARB/subscriber/new?topic_id=hdim)
- Email CARB Clean Truck Check team with questions at:  
[hdim@arb.ca.gov](mailto:hdim@arb.ca.gov)