MOBILE SOURCE & FUELS SUPPORT

Regulatory Requirements and Auditing of Vehicle/Engine Emission Testing

Trinity Consultants is a leading global environmental consulting firm that brings 50 years of experience providing services and solutions in the EHS Regulatory Compliance, Built Environment, Life Sciences, and Water & Ecology markets. Trinity has the technical expertise, industry depth, and specialized capabilities to help clients achieve their goals across the natural and built environments.

Regulatory Compliance and Emissions Testing Audits

New vehicle and engine manufacturers seeking to sell their products in North America must first obtain emissions certification from regulatory agencies, including the U.S. Environmental Protection Agency (EPA), California Air Resources Board (CARB), and Environment and Climate Change Canada (ECCC). To receive certification, manufacturers must conduct emissions testing using equipment and procedures that comply with strict regulatory requirements, including those found in Title 40 of the U.S. Code of Federal Regulations, Parts 1065 and 1066.

Trinity conducts on-site audits of emissions testing laboratories to provide an independent assessment of their ability to properly perform certification-quality emissions testing. Trinity also performs audits of vehicle coast-down facilities and the associated procedures and calculations.

As part of each on-site emissions facility audit, Trinity inspects the equipment utilized at the facility for emissions testing and verifies that equipment specifications align with regulatory requirements.

Equipment assessed during an audit includes:

- Chassis and engine dynamometers
- Evaporative SHEDs
- Exhaust emission sampling systems
- Particulate matter (PM) sampling systems and sample treatment (if applicable)
- Gaseous emissions analyzers

During each on-site audit, Trinity directly observes the procedures used for exhaust and evaporative emissions testing, as well as the required laboratory equipment performance checks. Audits also include a review of equipment maintenance, calibration, and recordkeeping practices.



At the conclusion of each audit, a detailed written report is provided, outlining audit findings, recommendations for ensuring compliance, and best practice suggestions.

ISO 9001:2015 certified at our corporate office in Dallas, Texas

CONTACT OUR TEAM!

For more information about how we can help your organization, please contact us.

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