



Maryland
Department of
the Environment

Additional Enhancements to the Vehicle Emissions Inspection Program (VEIP)





Overview

- Significant air quality progress has been made in Maryland over the last decade, and major advancements in vehicle technology and testing methods have also occurred
- Because of this, we are continuing to reinvent the VEIP to catch up with technology, modernize and simplify the program





Testing Technology

- VEIP has been a cornerstone air quality program in Maryland for three decades
- Current emissions testing technology is far superior to past methods
 - Computerized OBD testing is now possible on the vast majority of the fleet
 - Much more thorough and virtually non-invasive compared to older test types





Cleaner Vehicles

- The Maryland Clean Cars Program (2007 Legislation)
 - Requires Maryland cars to be the cleanest allowed by federal law
 - Works in tandem with federal vehicle and fuel standards
 - Includes requirements to push manufacturers to develop and sell electric vehicles
- 2017 Clean Cars Act - Extends and increases incentives for buying EVs and EV infrastructure
- Tier 3 vehicle and fuel standards
- Diesel initiatives - VW and DERA





VEIP Reinvention

- Step 1 – Kiosks introduced in 2015
- Step 2 – 2018 regulatory changes
 - New vehicles got one extra year until they get tested
 - Began phasing out the idle test through the exemption of pre-1996 light duty vehicles
- **Step 3** – Additional changes starting in 2019





Upcoming Changes to VEIP

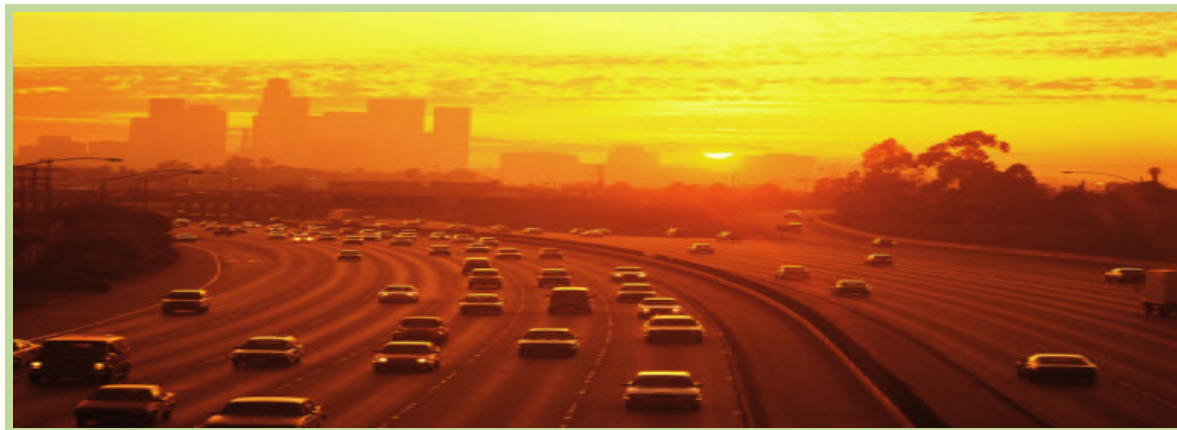
- One additional year delay of the initial test for new vehicles
 - From the current three years to four years
- Adopt an OBD-only program
 - Cessation of outdated idle testing
 - Most cost effective option moving forward
- Several pilot programs to investigate new technologies and testing outlets
- These are common sense enhancements that allow Marylanders to benefit from vehicle technology and the significant air quality progress we've made





The Proposed Amendments

1. New vehicles will now get tested after reaching age 4
 - Was after 3 years of age
2. Pre-OBD technology vehicles will now be exempt
 - Final step in phase out of the idle test
3. Various “clean up” revisions





Year 4 Extension

Regulation Language

- 11.14.08.05 B(4)(b) ... for a vehicle [of the current or preceding model year] that has not been previously titled or registered in any jurisdiction and for which the ownership document is a manufacturer's certificate of origin, the Administration shall assign a date of scheduled inspection which is at least [36] **48** months after the model year of the vehicle.





Idle Test Elimination

- Exemption of all vehicles built before OBD computer controls
 - Rapidly retiring from the vehicle population
 - Heavy duty vehicles are making transition to OBD compliance
- Pre-1996 model year cars and light trucks built prior to OBD were exempted in 2018 in first step of phase-out





Idle Test Phase Out

Regulation Language

11.14.08.04 Exemptions.

A. (text unchanged)

B. Exempt vehicles include the following vehicles:

(1) — (17) (text unchanged)

(18) Of a gross vehicle weight of 8,501 through 14,000 pounds and model year earlier than 2008;

(19) Of a gross vehicle weight of 14,001 through 26,000 pounds and model year earlier than 2013;

(20) A specially produced motor vehicle exempted under 42 USC §7525 (a); or

[(17)] (21) A military vehicle owned by the federal government and used for tactical, combat, or relief operations, or for training for these operations.



Motorist Benefits

- About 101,000 motorists will not need to have their vehicles tested because of the year 4 extension
- About 19,000 motorists with pre-OBD vehicles will also no longer need to have their vehicles tested
- \$2.35 Million cost savings to motorists in FY2020





Emissions

- Impact is negligible
 - 0.03 tons per day (tpd) NO_x increase
 - 0.04 tpd VOC increase





Working With EPA

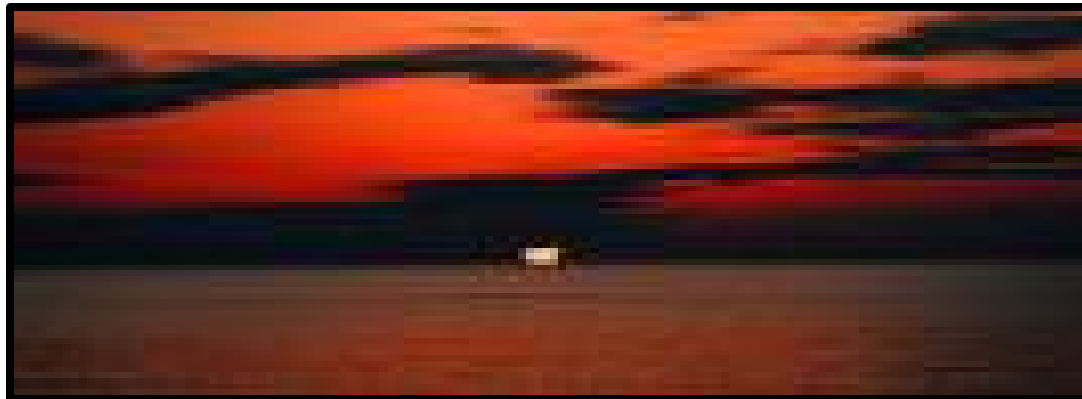
- EPA encourages states to modify their programs as air quality progress allows
 - Take advantage of better technology and adopt OBD-only programs
- States have authority to make these changes so long as federal performance standards for the emissions inspection program continue to be met
 - MDE is working with EPA to ensure compliance





Further Enhancements

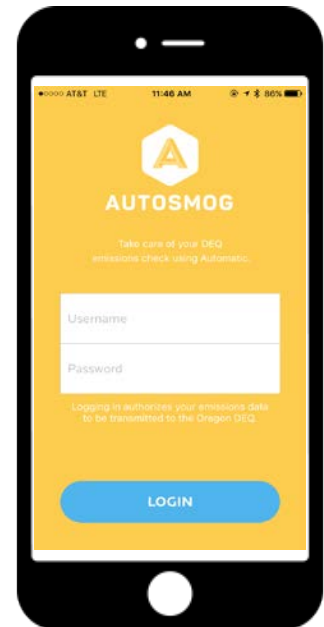
- MDE will be working with MDOT and MVA to investigate further enhancements to VEIP through pilot programs starting in 2020
 - Remote OBD
 - Additional outlets for testing, such as repair shops, dealers
 - Kiosk expansion





What is Remote OBD?

- Motorist option that allows VEIP inspections to be conducted without visiting a VEIP station or kiosk
- Test data is collected by a plug in device or factory-fitted system (e.g., OnStar) and sent over a wireless network
- Technology is being used in Oregon
 - Providing lessons for Maryland



A bright sun is positioned in the upper right quadrant of the image, casting a strong glow and creating a lens flare effect. The sky is a vibrant blue, and several large, fluffy white clouds are scattered across the scene, particularly on the left and right sides. The overall atmosphere is bright and clear.

QUESTIONS