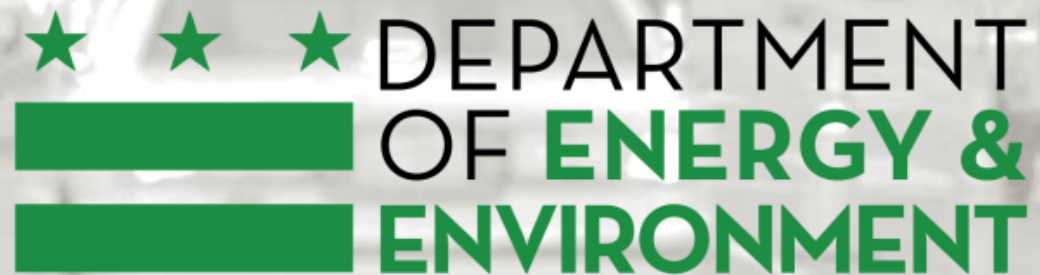


Technology in Enforcement

Improving enforcement for engine idling of on-road vehicles
& non-road engines in the District of Columbia

Kelly Crawford
Chief, Compliance and Enforcement Branch
Air Quality Division
Department of Energy & Environment





WHAT IS ENGINE IDLING?

Engine Idling is the **excessive** idling (running) of a vehicle engine while the vehicle is:

1. Parked
2. Stopped
3. Standing



WHY IS ENGINE IDLING A CONCERN FOR DC?

PROTECT OUR AIR

- Vehicle exhaust is the single largest source of air pollution in the District.
- Engine idling pollutes the atmosphere, which affects the health of people and the environment.
- Pollutants from vehicles contribute to acid rain, ozone formation, and global climate change.

WHAT IS THE **LAW** IN THE DISTRICT?

20 DCMR § 900.1

Prohibits the idling of on-road gasoline or diesel-powered motor vehicles on public or private space for more than three (3) minutes while the vehicle is parked, stopped, or standing, including for the purposes of operating air conditioning or heating equipment.

20 DCMR § 900.2

Prohibits the idling of non-road diesel-powered engines for more than three (3) minutes.

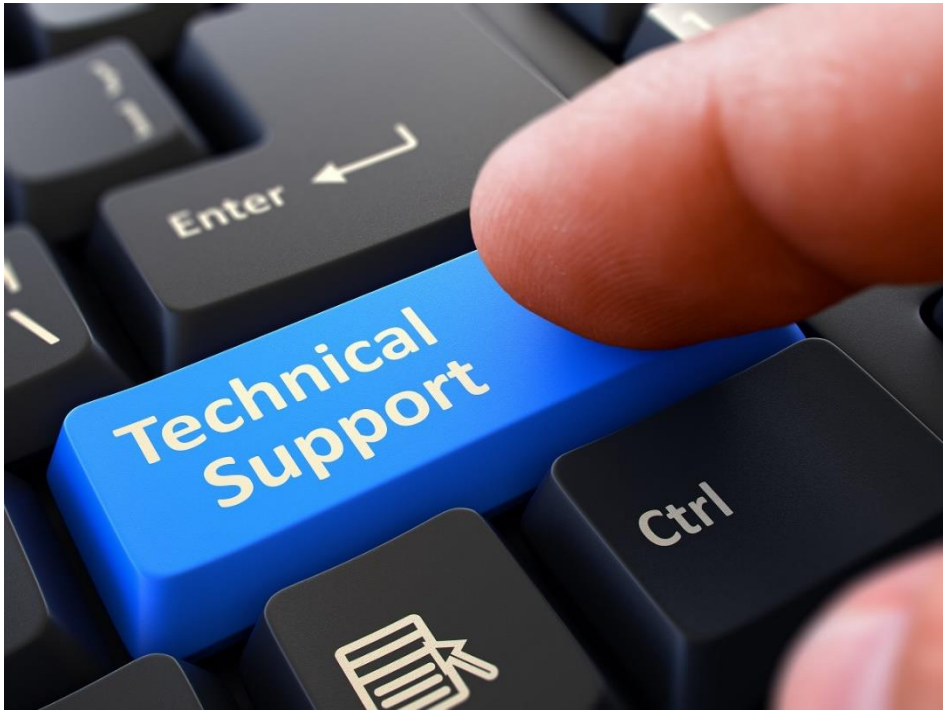
Idling violations carry fines \$500 and double for subsequent violations, up to \$4,000

ENFORCEMENT REQUIREMENTS

- Confirm idling
 - Visually, by sound, or by feel
- Time idling (3 minutes)
- Document vehicle information
 - License plate
 - USDOT Number
 - Any other identifying markings



LEVERAGING TECHNOLOGY



- Thermal Imaging Cameras
- DOEE Air Quality Compliance System
- Washington D.C.'s DC311 Smartphone App

Thermal Imaging Cameras



- The FLIR ONE Pro allows inspectors to use thermal imaging of engines and exhaust pipes in their observations of engine idling in noisy environments and environments where approaching the vehicles to sense heat at exhaust pipes by the back of the hand isn't feasible or practical.



Related Complaint

Complaint - Complainant Name: [Koryn Weidberg](#)

Inspector: [Insley, Ryan](#)

Inspection Date: 07-09-2019

Time: 10:13 am Time of Day 2: 10:33 am

Source Category: Odor Additional Source Category (if necessary):

Initial or Follow-Up? Initial

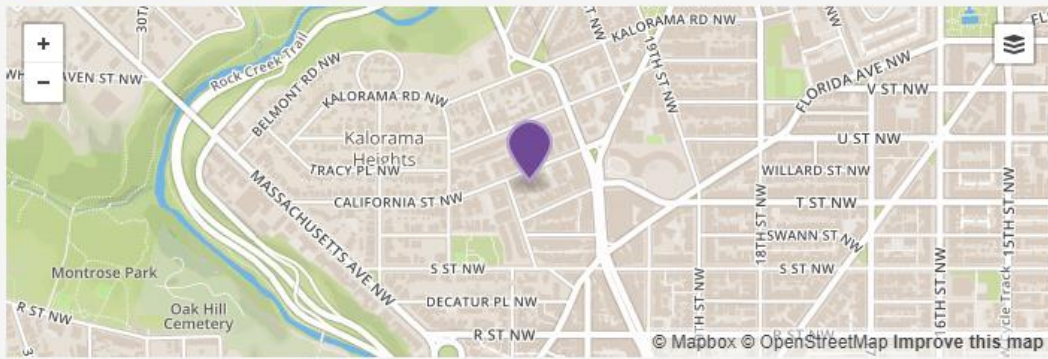
Address of Complaint: 1835 Phelps Place Northwest, Unit 43

Raze Clearance

Clearance Letter - PROJECT_LOCATION Clearance Letter - RAZE_PERMIT_NUMBER

Clearance Letter - PROJECT_LOCATION2

Address: [2144 California Street NW, Washington, District of Columbia 20008](#)



Quadrant: NW

Ward: 2

[Look Up Ward Here](#)

Reported

MOBILE INSPECTION

- Air Quality Compliance System (ACQS) allows inspectors to schedule and document inspections in the field.
- Integrated with DC3 I I, DOEE Asbestos Permit System & DOEE Enforcement Database.
- Online Payment



DISTRICT OF COLUMBIA

ENGINE IDLING CITIZEN ENFORCEMENT PILOT PROGRAM

WHEN FILING A VIOLATION REPORT, DO NOT APPROACH OR VERBALLY ENGAGE THE DRIVER OF THE VEHICLE:

The information required for the report does not require any information to be obtained from the vehicle operator. DO NOT ENTER PRIVATE PROPERTY TO OBSERVE A VIOLATION. All violations should be observed from publicly accessible areas.



Once the report of violation is received by DOEE through the DC311 App Portal, the report will be reviewed by a DOEE inspector who will determine whether the report has the required information. An affidavit to be filled out and signed with information regarding the violation, to be sworn under penalty of perjury.

The DC311 App will allow for the submission of up to five (5) photographs, which must be stamped with the time and location and can be taken using the native camera within the DC311 App. Submitted photos must meet these minimum requirements:

- **At least 2 photographs to mark the start and stop of the observation period** (when the time period is "for more than three minutes," the observed time should be five (5) minutes or more; when the temperature is below 32 degrees F, the observed time should be six (6) minutes or more).
- **A photograph of the license plate** of the truck or bus.
- **At least one photograph that shows any company identifying information or logo**, and when on the vehicle, there should be a photograph of the U.S. Department of Transportation (DOT) number on the vehicle.



MURIEL BOWSER, MAYOR