

Pollution Prevention for Snow Plow Drivers

HOW TO COMPLY WITH ENVIRONMENTAL REGULATIONS



@DOEE_DC

WHY DO WE CARE?

1. Pollution
2. Health impacts
3. Environmental regulations



AIR QUALITY

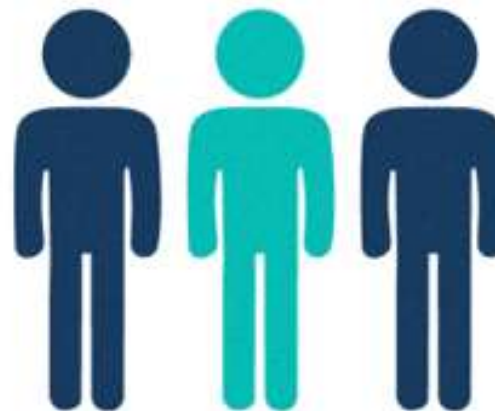
Exhaust is the #1 contributor to District air pollution

1. Health Impacts

- Headaches, dizziness, and trouble breathing
- Soot causes lung cancer and cardiovascular disease

2. Environmental Harm

- Increased ozone
- Climate change



In some areas of Washington, 1 in 3 children has Asthma. That is more than twice the national average of 1 in 7 children.

AIR REGULATIONS

1. Do NOT idle for more than 3 minutes - **it is illegal!**
 - Up to 5 minutes if it is below freezing
2. Where NOT to idle:
 - In residential areas
 - At loading docks
 - By building air intakes



STORMWATER IN WINTER

Rain and snow melt
run off hard surfaces
and become stormwater
runoff

Runoff picks up pollution
and carries it into
stormdrains



2/3 of stormdrains empty into our streams and rivers with little to no treatment



STORMWATER REGULATIONS

Clean Water Act

- Protects rivers and streams from polluted stormwater
- Regulates discharges
- Sets water quality standards



Municipal Operations

- EPA Consent Order
- District-wide Stormwater Permit
- Industrial Facility Permits



STORMWATER POLLUTION

Anything other than stormwater

- Dirt
- Trash
- Wash water and soaps
- Vehicle and equipment fluids
- Pesticides and fertilizers
- Paints and solvents
- Salt and Brine
- Rust
- Pet waste



SALT POLLUTION

While salt is naturally occurring, too much is destructive

- Contaminate drinking water
- Accumulate to toxic levels in soils
- Damage native animal habitat

Growing concern

- More complaints
- Drinking water quality
- Health of rivers and streams



RESPONSIBILITIES

MAINTAIN
EQUIPMENT

MINIMIZE SALT
USE

PREVENT &
CLEANUP
SPILLS

PRACTICE
GOOD
HOUSEKEEPING

MAINTAIN EQUIPMENT



1. Conduct pre- and post-trip inspections
2. Do not delay repairs
3. Wash vehicle and equipment in designated areas

MINIMIZE SALT USE



1. Travel at a reasonable speed
2. Set spreader to designated application rate
3. Only apply where and as often as directed
4. Do not spin off excess



Older trucks must stop spreader if stopped

PREVENT AND CLEANUP SPILLS



1. Salt Spills

- Never overload trucks
- Close your gate
- Store salt inside – return to dome
- Clean up salt spills ASAP



2. Fluid Spills and Leaks

- Keep an eye out
- Clean it up immediately



SPILL REPORTING

- Call 911 or FEMS
if it gets into a public storm drain or cannot be controlled
- Notify facility staff of any spills or leaks



PRACTICE GOOD HOUSEKEEPING

KEEP IT CLEAN & TIDY

UNCOVERED STORAGE



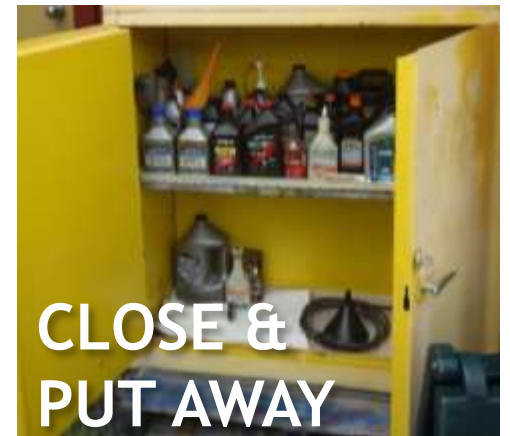
COVER & ELEVATE STORAGE



KEEP IN
SECONDARY CONTAINMENT



GOOD HOUSEKEEPING



REVIEW

Prevent Air Pollution

1. Don't idle for more than 3 minutes
2. Avoid idling in residential areas, at loading docks, and by building air intakes



Prevent Stormwater Pollution

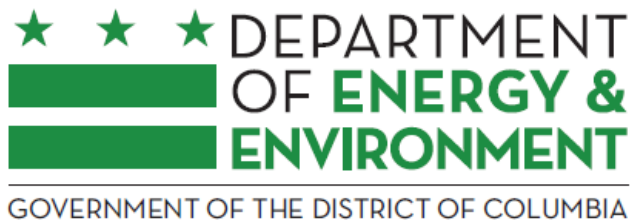
1. Maintain equipment
2. Minimize salt use
3. Prevent and cleanup spills
4. Practice good housekeeping



QUESTIONS?

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