

Idling Reduction



Tips to reduce vehicle idling at the workplace

A Message from the Spokane Regional Clean Air Agency

Reducing idling at the workplace had many benefits. And with the price of fuel, it can be a money-saving strategy. Talk with your drivers during staff meetings or training sessions about turning engines off instead of idling. Outline the benefits of idling reduction:

- ✓ Overall fuel savings
- ✓ Longer engine life
- ✓ Less noise
- ✓ Longer time between oil and filter changes
- ✓ Better air quality and a healthier community
- ✓ Healthier work environment (loading docks, work bays, etc.)



street grade sign, 18" x 24"

Post "No-Idle Zone" signs in prominent idling areas of your facility, such as:

- ❖ Fleet yards
- ❖ Loading docks
- ❖ Your idea?

To get free "No-Idle Zone" signs for your location, the Spokane Regional Clean Air Agency considers:

- ❖ Your proposed site for effectiveness, impact
- ❖ Your commitment to post and maintain
- ❖ Our agency will follow up to assess your results

To request sign(s), e-mail:

lwoodard@spokanecleanair.org.

The trucking industry has analyzed the impact of idling on engines, both in terms of maintenance and engine wear costs. According to industry estimates, long-duration idling costs the truck owner the price of almost a gallon of fuel each hour.¹

Therefore, it may be cost-effective to install on-board idle reduction technologies. Where available, encourage the use of truck stop electrification.

Long-duration truck idling:

- ✓ Causes more oil and oil filter deterioration
- ✓ Increases the need for more oil and filter changes
- ✓ Lessens engine lifespan and hastens the need for engine rebuild

Long-duration truck idling annually emits:

- ✓ 11 million tons of carbon dioxide
- ✓ 180,000 tons of nitrogen oxides
- ✓ 5,000 tons of particulate matter

And idling long-haul trucks annually:

- ✓ Consume over one billion gallons of fuel
- ✓ Cost over \$2 billion

Did you know...

- ❖ An idling engine delivers zero miles to the gallon.
- ❖ Vehicle exhaust is the leading source of hazardous air pollution in the state of Washington.
- ❖ Toxic air pollutants account for an additional 700 cases of cancer for every million Washington residents.
- ❖ Diesel exhaust contains microscopic soot, about 200 times smaller than the period at the end of this sentence.
- ❖ Diesel exhaust is classified as a probable human carcinogen by many governmental authorities, including the International Agency for Research on Cancer, the U.S. National Toxicology Program, and the U.S. Environmental Protection Agency. It is classified as a known carcinogen by the state of California.
- ❖ Diesel exhaust contains both very small particles and 40 chemicals that are classified as "hazardous air pollutants" under the U.S. Clean Air Act.

¹ US EPA, Smartway Program