

# Air Pollution Control Program

## Division of Environmental Services

Aaron Cadman – Program Supervisor



**SAINT LOUIS COUNTY**  
Public Health

## Air Pollution Control Program Authority and Applicable Regulations

- Delegated authority from Missouri Air Conservation Commission
  - 643.140 Revised Statutes of Missouri (RsMO)
- Missouri Air Conservation Commission Regulations, Division 10
  - Chapter 5 – Air Quality Standards and Air Pollution Control Rules Specific to the St. Louis Metropolitan Area
  - Chapter 6 – Air Quality Standards, Definitions, Sampling and Reference Methods and Air Pollution Control Regulations for the Entire State of Missouri
- Federal Clean Air Act
  - New Source Performance Standards (NSPS)
  - National Emission Standards for Hazardous Air Pollutants (NESHAPs)
  - Maximum Achievable Control Technology (MACT standards)
- Saint Louis County Code of Revised Ordinances (SLCRO)
  - Title VI Chapter 612 – Air Pollution Control

## Asbestos Program

- Review and process asbestos abatement project notifications and project amendments
- Issue permits for notified projects
- Review asbestos abatement project post-notifications
- Conduct routine asbestos abatement project compliance inspections
- Regulate NESHAP quantities (160 sq ft, 260 linear ft, or 35 cubic ft) and lesser quantities (10 sq ft or 16 linear ft) as defined by SLCRO 612.530



## Demolition Program

- Process Demolition Release Authorizations (DRAs) in conjunction with DPH's Waste Management Program
- Require demolition project notifications (start/end date)
- Conduct routine compliance inspections to ensure dust and visible emissions do not leave the property boundary (10 CSR 10-6.170, *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*)

*Goal: to protect public health by preventing potentially contaminated dust from leaving property boundary*



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# Regulated Stationary Sources



## Approx. 350 Regulated Sources in St. Louis County

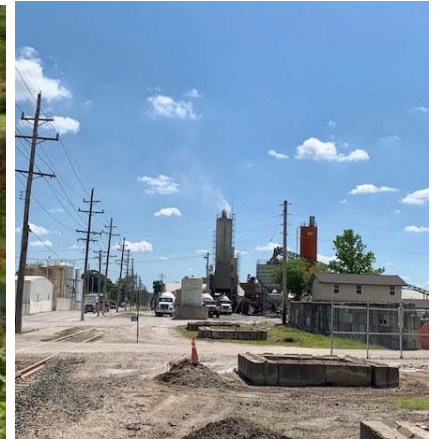
- Aerospace
- Quarries
- Hot-Mix Asphalt Plants
- Concrete Batch Plants
- Landfills
- Dry Cleaners
- Chemical Manufacturing Facilities
- Printing Facilities
- Wastewater Treatment Facilities
- Electrical Generation
- Autobody Refinishing Shops
- Portable Plants
- Crematories & Incinerators
- Other Manufacturing

## Stationary Source Air Construction Permitting

- Operating permits
  - Missouri DNR APCA drafts operating permits for facilities subject to 10 CSR 10-6.065, *Operating Permits*
- Permit types or activities
  - Permit determination requests
  - Permit administrative amendments
  - Permit amendments in accordance with 10 CSR 10-6.060, *Construction Permits Required*
  - Portable source permitting and relocation requests
  - De minimis source construction permits
    - Potential to emit is below State Construction Permit levels (not subject to 10 CSR 10-6.060)
  - Synthetic De Minimis, Minor, and Synthetic Minor (Intermediate) source construction permits in accordance with 10 CSR 10-6.060
  - Source construction permits for facilities subject to a NSPS or MACT standard
  - Permit by rule – Crematories and Incinerators subject to 10 CSR 10-6.062
  - Air Curtain Incinerators for temporary use
  - Review and approval of Natural Resource Conservation Burn plans

## Common Citizen Concerns

- Open Burning (SLCRO 612.345, 10 CSR 10-6.045)
- Odor (SLCRO 612.335, 10 CSR 10-6.165)
- Dust/Particulate Matter/Visible Emissions (SLCRO 612.340, 10 CSR 10-6.170)
- Excessive Idling (SLCRO 612.340.2)
- Asbestos (SCLRO 612.530, 10 CSR 10-6.241)
- Noise (SLCRO Chapter 625)










# Educational Materials – Social Media

## HELPFUL TIPS TO REDUCE OZONE

Cars, trucks, and small engines are major contributors to ozone formation. Follow these steps everyday!

- Avoid unnecessary engine idling, especially in drive-thrus or school pick-up/drop off
- Reduce driving - combine trips
- Utilize public transit, carpool, or work from home  
- Walk or bike to/from work or school  
- Refuel after sunset. Don't "top off" your tank
- Keep your car well maintained and tires properly inflated
- Postpone using gasoline-powered lawn equipment and golf carts until later in the day - consider going electric! 
- Turn off lights and electronics when not in use. Less fuel burned at power plants means cleaner air

#CleanAirForSTL



DIVISION OF ENVIRONMENTAL SERVICES  
AIR POLLUTION CONTROL PROGRAM  
airpollution.dph@stlouiscountymo.gov -- (314) 615-8924



## DO YOU HAVE BREATHING SENSITIVITIES?

- ➔ Reduce the time you are outdoors when ozone levels are elevated, especially if you are engaged in a strenuous activity or have a respiratory disease.
- ➔ Schedule activities for the morning or evening when ozone levels are typically lower.
- ➔ Substitute a less intensive activity - walking instead of running, for example.



\*Always consult with a physician for medical advice



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# Open Burning Fact Sheet

It is always illegal to burn trash in St. Louis County. It is also illegal to burn yard waste unless your property meets certain requirements (see inside). Recreational, cooking, conservation, fire training, and commercial land clearing open burns may be permitted if you follow the law.

Basic guidelines may be found inside, but more detailed information can be found in **St. Louis County Code of Revised Ordinances Title VI Chapter 612.345**, Open Burning Restrictions.

The Department of Public Health Air Pollution Control Program enforces open burning regulations in St. Louis County; however, fires may also be subject to any municipal or local fire protection district restrictions.



## Air Pollution Control

Contact us for assistance with air quality concerns, air pollutants, nuisance odors, open burning, particulate matter (dust), building demolitions, environmental noise and asbestos removal. These are common air pollution areas of concern we can assist you with.

## Contact Us:

Division of Environmental Services  
6121 N. Hanley Road  
Berkeley, MO 63134  
Monday – Friday  
8 a.m. – 4:30 p.m.

314-615-8924  
[airpollution.DPH@stlouiscountymo.gov](mailto:airpollution.DPH@stlouiscountymo.gov)



## Open Burning Fact Sheet

St. Louis County  
Department of Public Health  
Air Pollution Control Program  
Division of Environmental Services



# Open Burning Fact Sheet (cont.)

## Why are fires and open burning restricted?

As defined in **County Ordinance 612.030**, Definitions, "open burning" means the burning of any materials where air contaminants resulting from combustion are emitted directly into the ambient air without passing through a stack or chimney from an enclosed chamber.

Any fire releases harmful materials. Emissions from fires include fine particle pollution (PM10 and PM2.5), toxic chemicals, carbon dioxide (a greenhouse gas), carbon monoxide, and precursors to ground-level ozone formation (oxides of nitrogen and volatile organic compounds). Burning garbage can produce large quantities of toxic materials. The pollutants released by fires can cause or exacerbate respiratory and heart problems, damage the nervous system, and cause other health issues.



While no one fire is likely to affect all of St. Louis County's air, in a large metropolitan area like ours, a significant, unhealthy, and unsafe amount of air pollution would be produced if open burning was completely unrestricted.

## What are the fire and open burning rules in St. Louis County?

- You may only burn clean, dry, split, seasoned firewood. **Burning trash, treated wood, plastic, rubber, construction/demolition waste, etc., is illegal at any time.**
- The total cumulative base area of a recreational fire shall not exceed nine (9) square feet.
- Burning yard waste is illegal, with the following exceptions:
  - The property size is equal to or greater than three (3) acres, except where the property shares a boundary with the Meramec, Missouri, or Mississippi Rivers there shall be no property size restriction; and
  - The burn shall only occur between September 15 and April 15 of each year; and
  - The cumulative base area of the fire(s) shall not exceed sixteen (16) square feet; and
  - The yard waste is only comprised of leaves, needles, brush, tree trimmings, and other similar materials.
- Fires shall not cause smoke, ash, or particulate matter to remain visible in the air or upon surfaces beyond the property line where the fire is occurring.
- Consult **County Ordinance 612.345** for more information about cooking fires, natural resource conservation burns, fire training exercise burns, and commercial land clearing operations.



## What if my neighbor is burning stuff in their yard?

You can report illegal open burning activities to the Air Pollution Control Program:

314-615-8924

[airpollution.dph@stlouiscountymo.gov](mailto:airpollution.dph@stlouiscountymo.gov)

You may call your local fire department or police department if you feel there is imminent danger.



## What can I do with my yard waste?

- Use curbside yard waste pickup. Contact your waste hauler for more information about yard waste pickup at your address.
- Haul your yard waste directly to a licensed yard waste compost facility; fees may apply.
- Compost your yard waste on your own property.



## Air Pollution Control Program By The Numbers: 2023

- Staff Positions
  - Office Services Specialist – 1
  - Program Supervisor – 1
  - Air Pollution Specialist – 3
    - 2 vacancies
  - Air Pollution Representative (Air Quality Inspector) – 2
- Air Construction Permits Issued: **44**
- Stationary Source Compliance Inspections Conducted: **54**
- Asbestos Abatement Project Compliance Inspections Conducted: **143**
  - Subject to NESHAP: 122
  - Subject to SLCRO 612.530: 21
- Asbestos Project Notifications Received: **535**
  - Subject to NESHAP: 354
  - Subject to SLCRO 612.530: 181
- Asbestos Project Permits Issued: **621**
  - Subject to NESHAP: 435
  - Subject to SLCRO 612.530: 186
- Asbestos Project Post-Notifications Received: **575**
- Demolition Release Authorizations Issued: **496**
- Demolition Site Inspections Conducted: **324**
- Citizen Concerns Received: **104**

# Air Pollution Control Program Contact Info

- To report an outdoor air pollution concern or for general air pollution control program inquiries:
  - By phone: (314) 615-8924
  - Email: [airpollution.dph@stlouiscountymo.gov](mailto:airpollution.dph@stlouiscountymo.gov)
- Asbestos abatement project notifications, amendments, or other asbestos-related inquiries:
  - Email: [asbestosamendments.dph@stlouiscountymo.gov](mailto:asbestosamendments.dph@stlouiscountymo.gov)
- Demolition projects and other demolition-related inquiries:
  - Email: [demolition.dph@stlouiscountymo.gov](mailto:demolition.dph@stlouiscountymo.gov)
- By mail or in person:

Saint Louis County Department of Public Health  
Attn. Air Pollution Control Program  
6121 North Hanley Road  
Berkeley, Missouri 63134
- On the web : [www.stlouiscountymo.gov/air](http://www.stlouiscountymo.gov/air)

## Questions?

### Contact Info:

Aaron Cadman – Air Pollution Control  
Program Supervisor

Office: (314) 615-8916

Email: [acadman@stlouiscountymo.gov](mailto:acadman@stlouiscountymo.gov)

