



COMPLIANCE ASSISTANCE PROGRAM

WORKING WITH YOU FOR CLEAN AIR

THINGS BUSINESSES SHOULD KNOW ABOUT REDUCING AIR POLLUTION A GUIDE TO AIR POLLUTION CONTROL IN YAKIMA COUNTY

WHAT'S INSIDE:

- ALL ABOUT YRCAA
- KINDS OF BUSINESSES REGULATED BY YRCAA
- STAYING IN COMPLIANCE WITH AIR REGULATIONS

Use this booklet to:

- *Help assure that your business is meeting air regulations; and*
- *To train your employees.*

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Things Your Business Should Know

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The quality of the air we breathe directly affects our health and well-being. Health impacts for individuals exposed to air pollution range from minimal effects to short-term reduction in lung function to an increase in respiratory illness and premature death. For this reason, preserving air quality has been a strong national priority since 1970, when Congress passed the Clean Air Act. Under this authority, the U.S. Environmental Protection Agency (EPA) has established health-based, air quality standards — known as National Ambient Air Quality Standards — for six criteria pollutants; carbon monoxide, fine particulates, ozone, sulfur dioxide, oxides of nitrogen and lead. Locally, the Yakima Regional Clean Air Agency (YRCAA) implements federal, state and local air quality regulations and programs which are designed to attain and maintain clean air standards.



What Is the Status of Air Quality in Yakima County?

Tremendous improvements have been made in cleaning up the air over the last three decades. In the 1980s the air quality in the Yakima area was designated as unhealthy, based on regular violations of health standards for both particulate matter (dust and smoke) and carbon monoxide. Thirty years later Yakima is officially designated by EPA as "in attainment" of all federal air quality standards.

Future Challenges

Air Toxics — Toxic air pollutants, or air toxics, are those pollutants known or suspected to cause cancer or other serious health problems. There are 188 air toxics listed in the Federal Clean Air Act, plus diesel particles. Diesel particles, formaldehyde, benzene and acrolein are the air pollutants that create the greatest air toxics-associated health risks in Washington State. Air toxics monitoring results suggest that Yakima's urban air has concentrations of certain chemicals that may pose a higher public health risk than we would like to see.

Particulate Matter (PM) — The 2006 revised standards for PM will help to address the health concerns for fine particles, which penetrate into the sensitive regions of the respiratory tract. Children, the elderly, and individuals with cardiovascular disease or lung disease such as emphysema and asthma are especially vulnerable. The Yakima area has exceeded the 2006 24-hour standard during the winter heating season many times and is in danger of being designated by EPA as not in attainment with that standard.

Ozone — is not prevalent in the Yakima area but is still a concern, especially if the federal standards are tightened. Ground level ozone (also known as photochemical smog) forms when other pollutants — nitrogen oxides and volatile organic compounds — react in the presence of sunlight. Sources for these pollutants in the Yakima area include motor vehicles, commercial and industrial facilities, chemical solvents and combustion products from various fuels, and consumer products.

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Do Businesses Contribute to Air Pollution in Yakima County?

Individuals as well as businesses contribute to air pollution. This is why reducing air pollution is everybody's business. Just as individuals are required to follow certain activities, such as curtailing wood burning, businesses are also required to reduce emissions released into the air. Businesses create or contribute a variety of different pollutants, including some or all of the six criteria pollutants listed previously, depending on their manufacturing process and products used in their process. This is why facilities are subject to air pollution control requirements, registration, permitting and annual inspections.

In addition to the six criteria pollutants, some businesses release toxic compounds. The EPA and the Washington State Department of Ecology developed rules addressing toxic air pollutants, which YRCAA implements locally. EPA's rules address over 175 pollutants and Ecology's rules address about 600 toxic pollutants.

What Is YRCAA?

YRCAA is an agency of local government formed under the 1967 State Clean Air Act. YRCAA is responsible for administering federal, state and local laws and regulations regarding outdoor air pollution in Yakima County. YRCAA's jurisdiction is countywide, including the incorporated and unincorporated areas of Yakima County and excluding the area within the boundaries of the Yakama Indian Reservation.

To achieve the goals of the Clean Air Act, YRCAA implements programs aimed at reducing air pollution from all significant sources. A combination of education and regulatory efforts is directed toward commercial and industrial emission sources, residential wood combustion, outdoor burning, motor vehicles, asbestos, and dust sources.

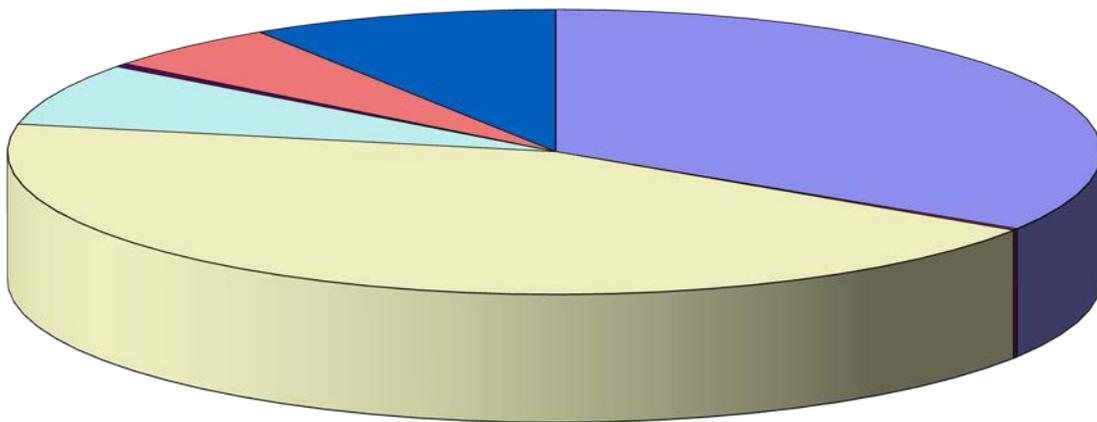
What Is the Governing Body of YRCAA?

The agency is governed by a five-member Board of Directors, which includes two representatives of Yakima County, a City of Yakima representative, a Small Cities and Towns representative and a Member-at-Large. The Board of Directors conducts regular monthly meetings, and the public and regulated business representatives are encouraged to attend. Meeting agendas and minutes are available online at www.yakimacleanair.org YRCAA also utilizes work groups to advise the Agency on air pollution policies, regulations, and programs. The work groups meet as needed to inform the Air Pollution Control Officer for recommendations to the Board of Directors.

How is YRCAA Funded?

Our funding comes from a variety of sources, most of them local. Yakima County and its cities and towns contribute to the work we do on behalf of their citizens through an annual assessment pursuant to the state's Clean Air Act. Permit and registration fees from local businesses provide significantly to our funding. We also receive funds through federal and state grants.

FY2015 REVENUE SUMMARY (\$1,193,262)



■ Permit Fees, 45.4%	■ Fines & Penalties, 0.3%	□ Grants, 24.2%
□ Supplemental Income, 9.9%	■ Other Income, 0.4%	■ Enterprise Income, 7.0%
■ Prior Year Carry Over, 12.7%		

How Is YRCAA Organized and What Are the Staff Duties?

YRCAA employs a professional staff to provide technical, engineering, compliance, education & outreach, administrative, and clerical work in three operational divisions.

The Compliance and Air Monitoring Division

- Conducts inspections;
- Responds to citizen complaints;
- Does routine surveillance;
- Enforces air pollution regulations;
- Participates in public education and compliance assistance programs; and
- Operates and maintains air monitoring equipment.

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The Engineering and Planning Division:

- Reviews and approves facility permit applications;
- Provides information on regulations;
- Reviews environmental documents;
- Conducts emissions data analyses;
- Conducts air quality forecasting;
- Prepares emission inventories; and
- Develops air quality plans.

The Executive Division:

- Provides program planning and evaluation;
- Provides financial and human resource support;
- Provides a variety of specialized secretarial and clerical assistance and support;
- Develops educational programs and materials;
- Conducts school and community outreach presentations;
- Works with the news media;
- Coordinates public/private partnerships and special events; and
- Provides computer and other technology service to agency staff.

What Kinds of Businesses Are Regulated by YRCAA?

YRCAA regulates air emissions from a broad range of approximately 350 commercial operations and industrial facilities. Below is a sample list of business and equipment regulated by YRCAA:

Animal Food Production	Animal Feeding Operations	Asphalt Production
Backup Generation	Cardboard/Paper Production	Concrete Production
Composting	Crematoriums	Dry Cleaners
Fiberglass Fabrication	Food Production	Gasoline Dispensing
Landfills	Metal Fabrication	Plastics Manufacturing
Printing and Graphics	Rock Crushing	Soil Remediation
Solvent Cleaning	Surface Coating	Wastewater Treatment
Wood Products		

What Regulations Should A Business Be Aware Of?

The following describes some of the regulations that are important for all businesses to understand. Additional information on these and other regulatory programs is available by contacting YRCAA, (509) 834-2050, or visiting by our website at www.yakimacleanair.org and click on "Compliance Assistance."

Registration Process

YRCAA Regulation I, Article IV lists categories of sources that have been identified as having significant air emissions and therefore may be required to register with YRCAA and pay an annual registration fee.

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New Source Review (NSR) Rules

New air pollution sources, modifications to existing sources, and new or altered air pollution control equipment are required to go through NSR and obtain an Order of Approval prior to the construction, installation, establishment, or modification. Some of the equipment and activities that require approval include: boilers, spray-coating operations, use of solvents, gasoline storage and dispensing, degreasing, dry cleaning, paper manufacturing, printing operations, fiberglass fabrication, metal casting, and coffee roasting.

The NSR Application form must be completed and submitted along with any detailed schematics, associated environmental information, modeling results, applicable fees, and other pertinent information. A NSR information sheet, which provides a detailed overview of the process, is available online at www.yakimacleanair.org or by calling YRCAA for a copy.

Dust Control Requirements

Dust from unpaved surfaces, construction and landscaping projects, animal feeding operations and dirt tracked onto road surfaces contributes significantly to Yakima's particulate matter air pollution. To reduce these types of emissions, YRCAA requires dust control plans to be developed, submitted and effectively implemented.

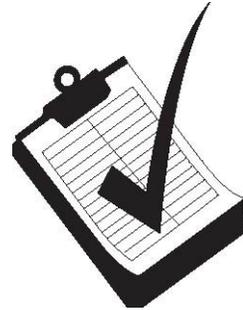
Renovation, Demolition and Asbestos Rules

To protect public health from asbestos exposure, YRCAA operates a comprehensive asbestos program. If your business is involved, directly or indirectly, in any renovation or demolition activities, you need to contact YRCAA for a specialized packet of information pertinent to your project.

Things Your Business Should Know

How Can My Business Stay in Compliance with YRCAA Regulations?

YRCAA conducts periodic inspections of registered businesses and organizations to verify compliance with existing regulations. In addition, YRCAA inspects facilities that are not registered to determine if they should be registered and to determine compliance with air quality regulations. Facility records are often reviewed during inspections and annual data that documents air emissions are required. The inspections also serve as a time when you can ask questions, request resource information, and learn about upcoming regulatory changes.



Keeping good records of product usage can save time when reporting data to YRCAA. Since air emissions may be based on production, it is important that records be maintained showing the amount of raw materials used and annual production for your facility. Also, many other programs require record keeping. Be sure to review your NSR Order of Approval requirements and ask your YRCAA inspector what records need to be kept for your facility.

In addition, if you implement pollution prevention measures that improve efficiencies and reduce the amount of toxic substances used, your operating costs will likely be lower. Check out the resource information YRCAA has put together on different industrial processes that can help you identify ways to reduce air emissions and your operating costs.

How Can I Get More Information About Air Pollution Control?

YRCAA's regulations are available for review or purchase at YRCAA's office or online. To assist businesses in complying with air quality requirements, YRCAA has also developed a series of info sheets and resource documents that may help your business prevent and control air pollution. Agency staff can help you access air quality and pollution prevention information that can help your business stay in compliance and likely, save money. For online air quality compliance materials, visit <http://www.yakimacleanair.org>. Call or visit YRCAA to request information or set up a compliance assistance meeting:

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