



Roanoke Fire-EMS

Fire Marshal's Office
 713 Third Street SW
 Roanoke, VA 24016
 (540) 853-2795

www.roanokeva.gov/firemarshal

Fire Prevention Code Permit Application

2018 FMAG: Magnesium

Applicant Information				
Business Name:				
Physical Address:	Street	City	State	Zip
Mailing Address:	Street	City	State	Zip
Contact Name:				
E-mail Address:				
Primary Phone:		Alternate Phone:		
Location of Permitted Activity				
Business Name:				
Physical Address:	Street	City	State	Zip
Permit Billing Information				
Business Name: <small>(including d/b/a or t/a names)</small>				
Billing Address:	Street	City	State	Zip
Billing Contact:			Phone:	
E-mail Address:				
City of Roanoke Business License #:		Federal Tax ID:		

FIRE MARSHAL'S OFFICE USE ONLY		
Reviewed By:		Date:
Comments/Special Conditions:		
Permit Number:	Permit Fee:	

Application Checklist

Review of this permit application requires all of the following to be included:

- Completed Fire Prevention Code Permit Application
- Site Plan/Floor Plan Showing:
 1. Location of all Magnesium Storage Areas
 2. Location of Potential Ignition Sources and Items/Areas of Concern
 3. Location of ALL Fire Extinguishers
 4. Location of ALL Exits
- Description of Operation and Safety Provisions (including emergency procedures and equipment)
- Sample SDS for Hazardous Materials
- Safety Plan

Circumstances of Application/Description of Work

Permit General Conditions and Acknowledgements

The Applicant is required to review the following provisions of the Statewide Fire Prevention Code and its referenced standards. After reviewing each provision, the Applicant must initial each item to acknowledge their review and agreement to comply with the requirement. If the requirement is not applicable to the application, the Applicant is to write N/A in place of their initials.

- Magnesium storage quantities greater than 50 cubic feet (1.4 m³) shall be separated from storage of other materials that are either combustible or in combustible containers by aisles. Piles shall be separated by aisles with a minimum width of not less than the pile height.
- Magnesium storage in quantities greater than 1,000 cubic feet (28 m³) shall be separated into piles not larger than 1,000 cubic feet (28 m³) each. Piles shall be separated by aisles with a minimum width of not less than the pile height. Such storage may be limited by the building construction and shall be in accordance with the applicable building code.
- Unless otherwise approved in accordance with the applicable building code, indoor storage of pigs, ingots and billets shall only be on floors of noncombustible construction. Piles shall not be larger than 500,000 pounds (226.8 metric tons) each. Piles shall be separated by aisles with a minimum width of not less than one-half the pile height.
- Flammable solids shall not be stored in basements
- Magnesium grinding, buffing and wire-brushing operations, other than rough finishing of castings, shall be provided with approved hoods or enclosures for dust collection that are connected to a liquid-precipitation type of separator that converts dust to sludge without contact (in a dry state) with any high-speed moving parts.
- Fire-extinguishing materials shall be provided for every operator performing machining, grinding or other processing operation on magnesium in accordance with the following:
 1. Within 30 feet (9144 mm), a supply of extinguishing materials in an approved container with a hand scoop or shovel for applying the material.
 2. Within 74 feet (22 860 mm), a portable fire extinguisher.
- All extinguishing materials shall be approved for use on magnesium fires. Where extinguishing materials are stored in cabinets or other enclosed areas, the enclosure shall be operable without the use of a key or special knowledge.
- Also need Hazardous Materials permit if over 100 pounds of flammable solids (such as magnesium)

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Permit Certification

By my signature below, I hereby certify that I have read and examined this application and that all of the information contained therein is true and correct. Furthermore, I certify that the proposed operations will fully comply with the requirements contained in The Virginia Statewide Fire Prevention Code and any other related laws and /or Codes. I agree to indemnify, save harmless, and defend the City of Roanoke, its agents and employees, from all claims, damages, costs, expenses, and charges, including attorney's fees, which arise out of or by reason of these operations.

I acknowledge that if a permit is issued based on this application, it shall only be valid with in the building, facility, and/or location listed on this application for the specific date(s) and time(s) for which it is issued.

I acknowledge that approval of this application does not constitute permit issuance. Permit issuance does not occur until the completion of an on-site inspection by the Roanoke Fire Marshal's Office.

I acknowledge and understand that any violations of the Virginia Statewide Fire Prevention Code and/or the requirements of this permit may result in immediate permit suspension or revocation.

I agree to indemnify, save harmless, and defend the City of Roanoke, Virginia and its agents and employees from all claims, damages, costs, expenses, and charges, including attorney's fees, which arise out of or by reason of the activities associated with this permit.

Name:			
Signature:		Date:	

Fire Prevention Code Permit Application Instructions and Conditions
2018 FMAG: Magnesium

Permit Name:	2018 FMAG: Magnesium
Statewide Fire Prevention Code Section:	5901.2 (reference Section 5906)
Scope:	An operational permit is required to melt, cast, heat treat or grind more than 10 pounds (4.54 kg) of magnesium.
Fee:	\$50.00
Duration:	Annual
Application Requirements:	<p>There are specific and specialized requirements described within this application. Please review the application for all requirements.</p> <p>After issuance of your initial permit(s), your permit(s) will be valid for one (1) year.</p>
Operational Requirements:	Permit holder agrees to abide by the Virginia Statewide Fire Prevention Code and any special stipulations noted on permit. Please review the application for all operational requirements.
Submittal Instructions:	Submittal must include a completed application and all attachments listed on page 2 of this application. This application will not be reviewed without all required attachments.