



MAGNUM CONSTRUCTION SERVICES INC.

FIRE PREVENTION & HOT WORK POLICY

Document Code: MCS-QHSE-15 | **Revision:** 1.0 | **Effective Date:** October 31 2025

1. POLICY STATEMENT

Magnum Construction Services Inc. is committed to the prevention of all fires through proactive planning, rigorous supervision, and disciplined permit-to-work control. No task—production, schedule, or cost—will ever take precedence over fire safety.

All personnel, subcontractors, and visitors share equal responsibility for maintaining a fire-safe workplace by following this policy, applicable OSHA and NFPA standards, and all procedures described in the **Fire Prevention & Protection Plan (MCS-QHSE-14)** and the **Permit-to-Work System (MCS-QHSE-10)**.

2. PURPOSE

To eliminate ignition sources, control combustibles, and manage all hot-work activities so that fire risks are identified, assessed, and controlled before any work begins.

3. SCOPE

This policy applies to:

- All Magnum offices, construction projects, fabrication yards, and temporary facilities.
 - Employees, subcontractors, and vendors performing or supervising hot-work or other fire-risk tasks.
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4. REFERENCES

- OSHA 29 CFR 1926 Subpart F – Fire Protection and Prevention
- OSHA 29 CFR 1910.252 – Welding, Cutting & Brazing
- NFPA 1 – Fire Code
- NFPA 10 – Portable Fire Extinguishers
- NFPA 30 – Flammable Liquids Code
- NFPA 51B – Standard for Fire Prevention During Hot Work
- ISO 45001 / 14001 Emergency Preparedness Clauses

5. RESPONSIBILITIES

Role	Responsibilities
Executive Director / CEO	Endorses the corporate Fire Prevention & Hot Work Policy and ensures sufficient resources for implementation company-wide.
Corporate EHS Director	Develops procedures, conducts audits, and maintains Hot Work Permit templates in compliance with NFPA 51B.
Project Manager	Implements the policy on site, ensures all hot-work operations are permitted and supervised, and verifies fire-watch assignments.
Superintendent / Foreman	Conducts daily fire-hazard inspections, enforces housekeeping, and halts any unauthorized hot-work.
Fire Watch Personnel	Remain on duty during hot-work and for 30 minutes afterward; equipped with extinguishers and trained in alarm activation.
Employees / Subcontractors	Follow safe-work instructions, maintain clean areas, and immediately report potential fire hazards.



6. FIRE PREVENTION STANDARDS

1. **No Smoking Zones** clearly posted and enforced around flammable storage.
 2. **Combustible Waste** removed daily; burn barrels and open flames prohibited.
 3. **Flammable Liquids & Gases** stored in approved containers > 50 ft from ignition sources.
 4. **Temporary Heaters** must be UL-listed and 36 in from combustibles.
 5. **Electrical Equipment** inspected daily for damaged cords or overloading.
 6. **Fire Extinguishers:** Class ABC, inspected monthly, mounted $\leq$ 75 ft from work area.
 7. **Access/Egress:** 3 ft clearance minimum to exits and fire lanes.
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7. HOT WORK REQUIREMENTS

Before performing any cutting, welding, grinding, or torch work:

7.1 Permit Requirement

- Obtain an approved **Hot Work Permit (MCS-PTW-01)** from the Site Safety Officer or EHS Representative.
- Permit valid for one shift ($\leq$ 24 hours).
- All hazards and protective measures must be verified and signed off before ignition.

7.2 Fire Watch

- Required whenever hot-work occurs within 35 ft of combustibles or enclosed spaces.
- Must have immediate access to Class ABC extinguisher and radio/phone.
- Remains in place **30 minutes after work ceases** to monitor for smoldering materials.

7.3 Work Area Preparation

- Remove or cover combustibles within 35 ft radius.
- Close floor/wall openings to prevent spark travel.
- Ensure fire-resistant curtains or shields are used.



7.4 Atmospheric Testing & Ventilation

- Required in confined or enclosed spaces prior to and during hot-work.
- Oxygen > 19.5 %, LEL < 10 %, no toxic gases.

7.5 Prohibited Conditions

- No hot-work during fire-system impairment or when winds exceed 25 mph outdoors.
 - No hot-work near flammable liquid transfer, refueling, or vapor zones.
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8. TRAINING & AWARENESS

- All employees receive fire-prevention and extinguisher-use training during orientation.
 - Fire Watch and Hot-Work Operators complete NFPA 51B Hot Work Safety Training.
 - Refresher every 12 months or following any fire-related incident.
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9. INSPECTION & AUDIT

- Weekly fire-hazard inspections documented on the **Fire Safety Checklist (MCS-QHSE-14A)**.
 - Quarterly audits by Corporate EHS Director.
 - All Hot-Work Permits filed in the Project Safety Binder for **5 years** minimum.
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10. NON-COMPLIANCE

Any employee or subcontractor performing unauthorized hot-work or violating fire-prevention rules is subject to immediate suspension and potential removal from the project.



11. CONTINUOUS IMPROVEMENT

Findings from audits, near-misses, or fire events are analyzed and incorporated into program revisions under the **Safety Management System (MCS-QHSE-03)**.

12. APPROVAL SIGNATURES

Approved By	Title	Signature	Date
Michael Gaya	Executive Director / CEO	_____	_____
Anthony Magadino	President / Managing Partner	_____	_____
Corporate EHS Director		_____	_____
