New Hire Safety Orientation

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ISO 9001-2015 Quality Management System Overview

What is ISO?

Imagine you're trying to build a LEGO set, but half the pieces are from one brand and the other half are from another, and they don't quite fit together. That would be frustrating, right?

ISO (pronounced "eye-so") stands for the **International Organization for Standardization**. Think of it as a global club that brings together experts from different countries to create universal "best practices" or "rules" for almost everything. These rules are called **standards**.

These standards are like blueprints or guidelines that help make sure products, services, and systems are safe, reliable, and high quality, no matter where they come from.

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ISO 9001-2015 Quality Management System Overview

ISO 9001-2015 certification is like earning a "seal of approval" that tells the world:

- ✓ ***"We're serious about quality."***
- ✓ ***"We have a well-organized system to make sure we consistently deliver good stuff."***
- ✓ ***"We listen to our customers and work to make them happy."***
- ✓ ***"We're always looking for ways to improve."***

- For a new hire, this means you'll be working in an environment where there are established processes and a commitment to quality. Your role will likely involve following these processes and contributing to the company's overall quality objectives.

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ISO 9001-2015 Quality Management System Overview

ISO 9001:2015 Quality Policy

Mueller Environmental Designs provides engineered solutions that exceed customers' expectations through superior design and by creating value through environmentally sound and reliable ancillary support equipment for the natural gas industry. Mueller seeks to ensure that we comply with our customers' and regulatory requirements and to continually seek to improve our effectiveness in this competitive market.

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ISO 9001-2015 Quality Management System Overview

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Quality Management System Objectives

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How You Can Build Quality

While management sets up the quality system, it's every employee's daily actions that truly make it work. Here's how you contribute:

- **Follow Procedures:** Stick to the established ways of doing things. Consistency is key to preventing errors and ensuring quality.
- **Spot & Report Problems:** You're on the front lines! If you notice something's off – a defect, a process glitch, or a customer concern – speak up quickly and clearly.
- **Suggest Improvements:** Don't just follow the rules; think about how to make them better! Your ideas can streamline processes and boost quality.
- **Take Ownership:** Be proud of your work. Double-check it, strive for excellence, and understand how your role impacts the final product or service.
- **Communicate Clearly:** Ask questions if you're unsure, share feedback, and work well with your teammates. Good communication prevents mistakes.

Essentially, you are the **eyes, ears, and hands** of our quality system. Your commitment to these actions ensures MED consistently delivers high-quality products and services and **keep our customers happy**.

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Facility Hazards

Welding Hazards:

- **Fumes and Gases: Ultraviolet (UV) and Infrared (IR) Radiation:** The intense light from welding arcs can cause burns to the skin and eyes (arc eye).
- **Electric Shock:** Welding equipment uses high voltages, posing a risk of electric shock.
- **Fire and Explosions:** Sparks and hot materials can ignite flammable materials nearby.

Cutting and Grinding Hazards: Preparing materials involves sharp tools and abrasive processes.

- **Cuts and Lacerations**: Sharp edges, blades, and flying debris can cause cuts.
- **Eye Injuries**: Grinding and cutting operations generate flying particles that can damage the eyes.
- **Noise Exposure**: may lead to hearing damage over time.

Heavy Lifting and Material Handling: Vessels and their components are large and heavy.

- **Strains and Sprains:** Improper lifting techniques or overexertion can lead to musculoskeletal injuries.
- **Crushing Injuries:** Being struck by falling or shifting materials is a significant risk.
- **Pinch Points:** Moving machinery and components can create pinch points where body parts could get caught

Facility Hazards

Working at Heights: Depending on the size and complexity of the vessels being fabricated.

- **Falls:** Working on scaffolds, ladders, or elevated platforms without proper fall protection can result in serious injuries.
- **Chemical Hazards:** We use various chemicals.
- **Exposure to Solvents, Cleaners, and Coatings:** Inhalation or skin contact can cause irritation, burns, or other health issues.

Chemical Hazards:

- **Exposure to Solvents, Cleaners, and Coatings:** Inhalation or skin contact; Substances can cause irritation, burns, or other health issues.

Fire Hazards (Beyond Welding):

- **Flammable Materials Storage**: Improper storage of paints, solvents, and other flammable liquids can increase the risk of fire.
- **Electrical Hazards**: Faulty wiring or overloaded circuits can also cause fires.

Slips, Trips, and Falls (General Housekeeping):

- **Obstructions:** Tools, materials, and debris left in walkways can create tripping hazards.
- **Spills:** Liquids on the floor can lead to slips.

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Personal Protective Equipment

- While in all shops, **all personnel must wear safety glasses, steel toed boots/shoes and hearing protection**.
- Do not wear jewelry that could get caught in machinery, equipment, or on materials.
- Shop personnel will also wear flame retardant clothing.
- Welders must wear welding helmets.
- Grinders must wear grinding shield.

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Danger Zone… Going into the Shop…

- Stay behind yellow lines unless authorized to be in the work zone.
- Do not cross yellow caution tape unless you are authorized to be in the zone.
- Do not look at any welding arc (light) – you can burn your eye.
- Always stay out of the line of fire.

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Personal Protective Equipment

- Use the right PPE for the job – how do you know what is right?
- Read chemical Safety Data Sheet section 8 for needed PPE.
- Do what is best for you.

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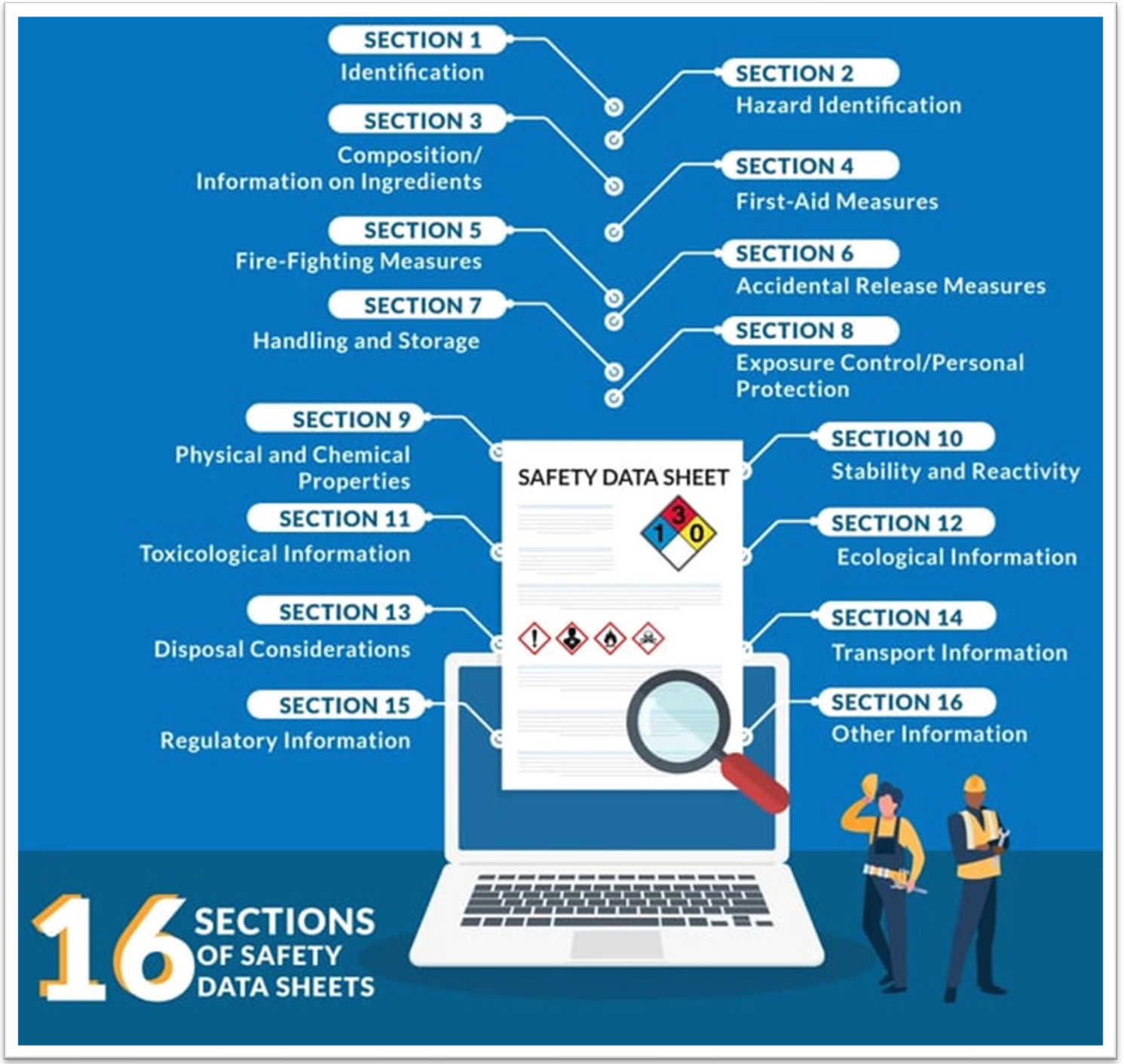
Chemical Safety Data Sheets



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Powered Industrial Trucks (Forklifts) and Mobile Elevated Work Platforms

- Get trained – You must be certified to MED's standard.
- Once trained, always carry your certification card.
- Always inspect equipment before use!

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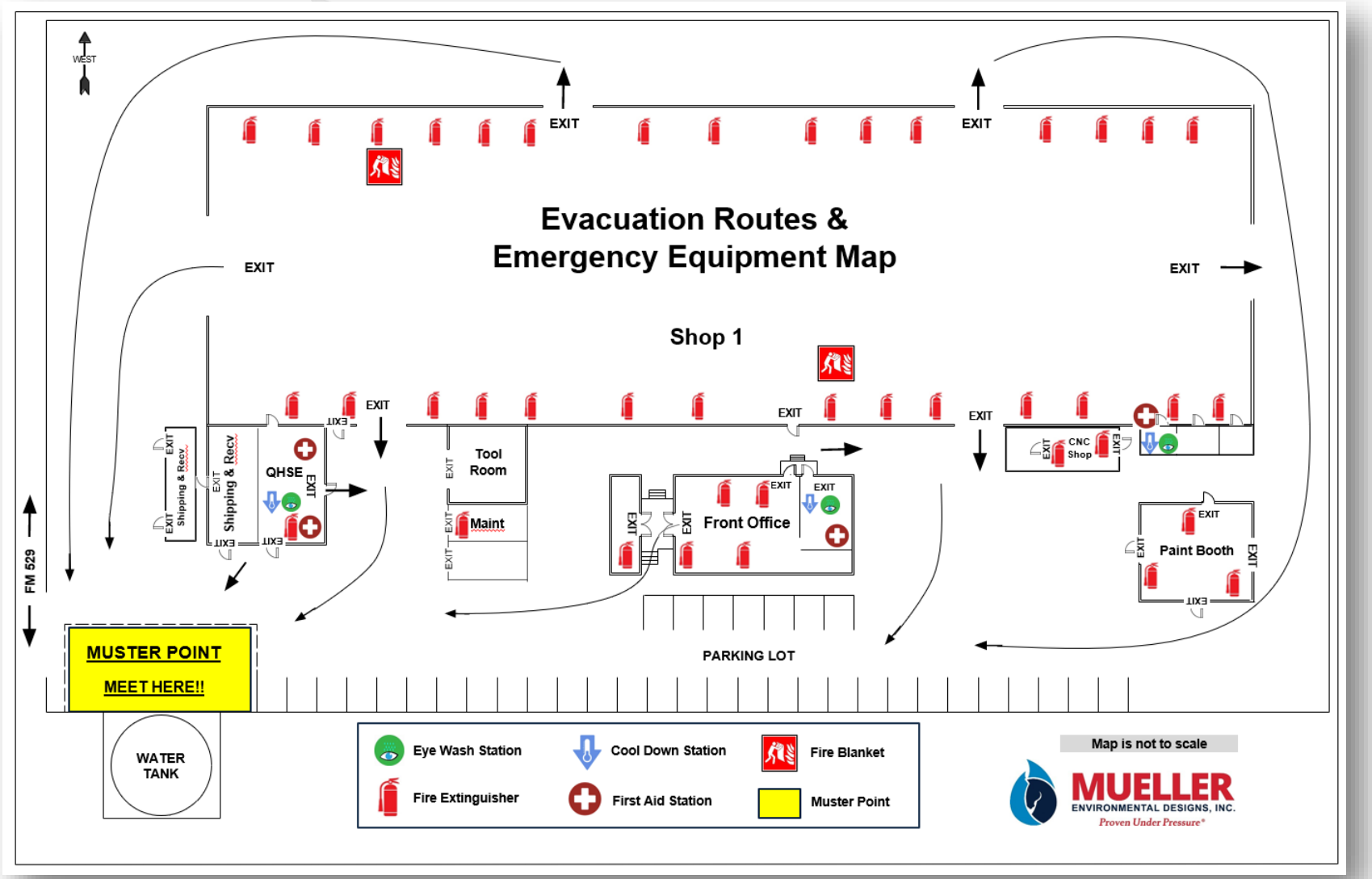
Facility Evacuation Routes & Emergency Equipment

- When you hear the call to evacuate, go in an orderly fashion.
- Quickly walk to the water tank muster point.
- Stay there to be accounted for and wait for further instruction.
- Wait for the all clear.



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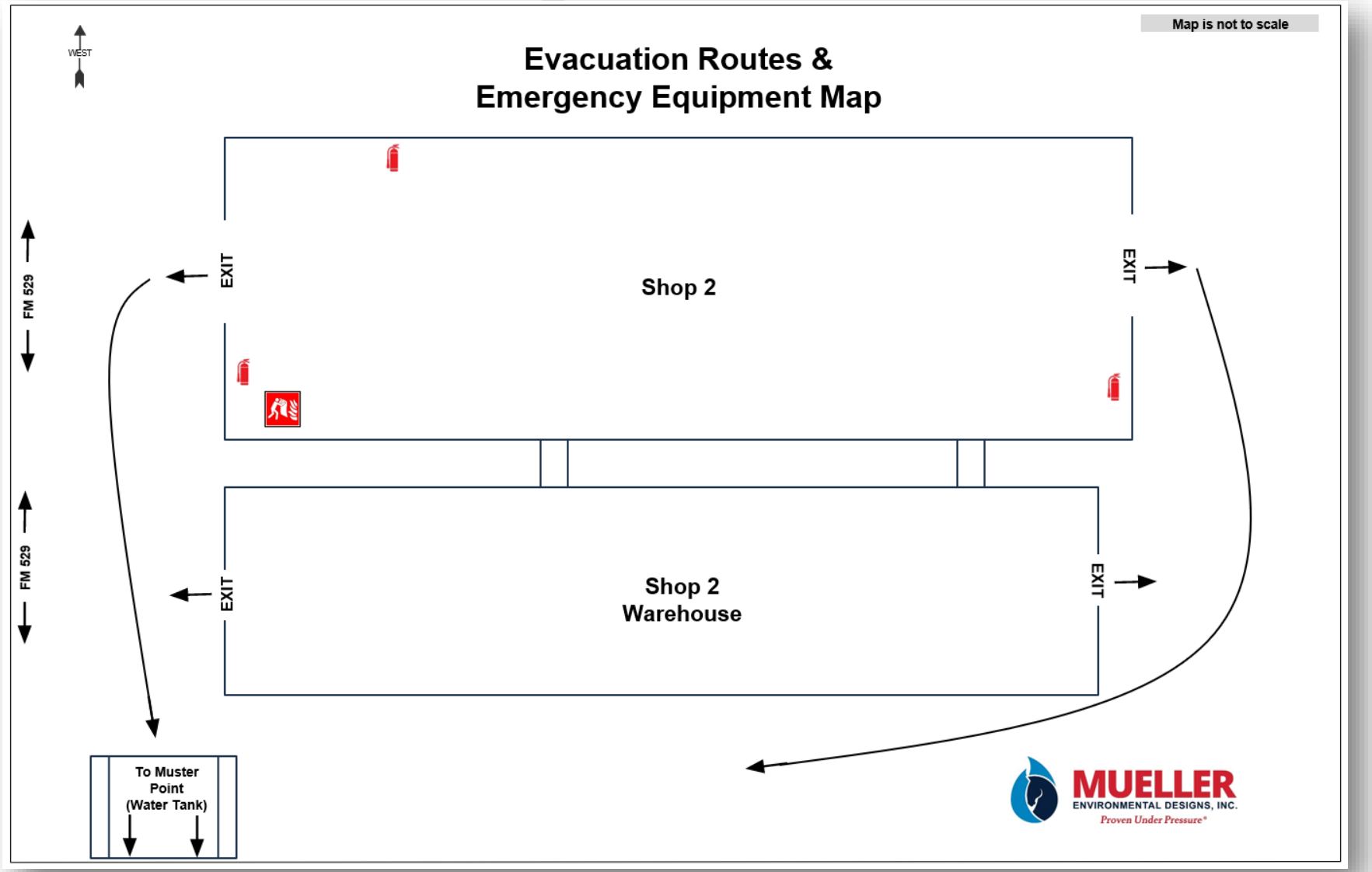
Facility Evacuation Routes & Emergency Equipment



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Report Unsafe Acts, Incidents, Injuries, Near Misses

- Report incidents, accidents, injuries and unsafe acts to your supervisor.
- Report near misses via card boxes (or QR code) in Shop 1. A near miss is an unplanned event that did not result in injury, illness, or damage but had the potential to do so. It's often described as a "close call" or "near accident." Example: A worker trips over a loose cable but catches themselves before falling.

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Everyone has Stop Work Authority

Stop Work Authority means that **any employee, at any level, has the right and obligation to immediately halt a task or operation if they believe it is unsafe or could lead to harm.**

Think of it as having an emergency stop button that *anyone* can push. If you see something that looks dangerous – maybe a coworker isn't following a safety rule, equipment looks faulty, or you just don't feel right about a situation – you can and should stop the work without needing permission from a supervisor.

The main idea is to prevent accidents and injuries before they happen. It's about empowering everyone to prioritize safety, even if it means pausing work for a moment. Once work is stopped, the issue is then addressed and corrected before work can safely resume.

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Core 360 Learning Management System (LMS)

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Working Hours, Cell Phone Usage, Tool Room, Gas Cylinders (Shop)

- Work 6 am to 2:30 pm; Lunch is 12:30-1 pm; Clean up from 2:15-2:30 pm.
- Cell phones can be used during breaks and lunch only.
- Gas cylinders are to be capped and chained down when stored.
- Propane tanks (empty and full) are stored outside west side of shop 1.
- Take broken tools to tool room or maintenance for tagging out of use.

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The end… any questions?

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