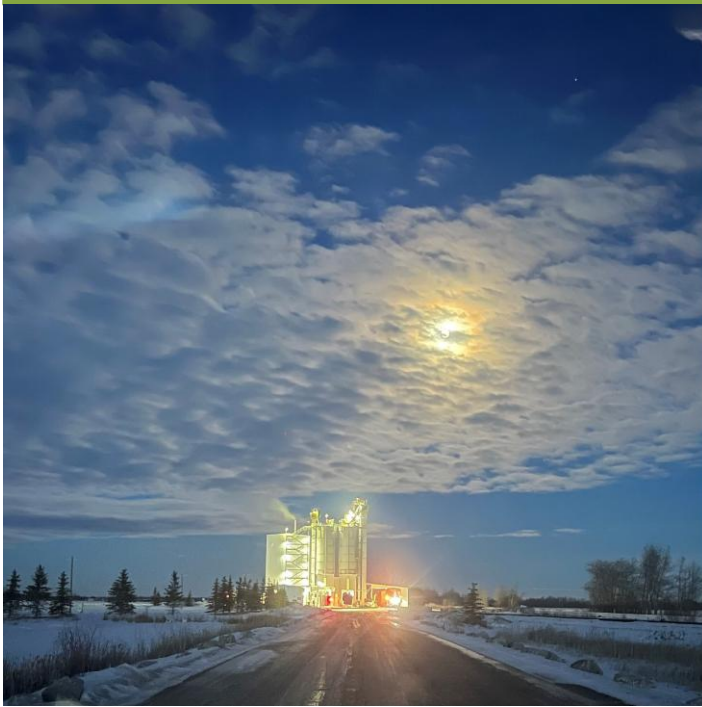




# WELCOME TO GRAYMONT

Improving Our World



**Lamont Contractor Orientation-update 2025**

# Welcome to Graymont



# HSE Policy

At Graymont we work together to fulfill our world-class vision by operating safe, clean, orderly facilities, where everyone shares a strong commitment to an injury-free workplace and a dedication to improving our environmental performance. Our goal is to promote the health and safety of all employees, protect and preserve the environment, and contribute to the well-being of the communities where we operate.

We require our business partners and contractors to adopt appropriate HSE practices.

# Visitor Touring Protocol

**Visitors must be accompanied by a Graymont Lamont personnel when they visit any production or plant areas.**



**A visitor who is working or performing any work in a production or plant area is considered a contractor and must complete the Contractors Orientation.**

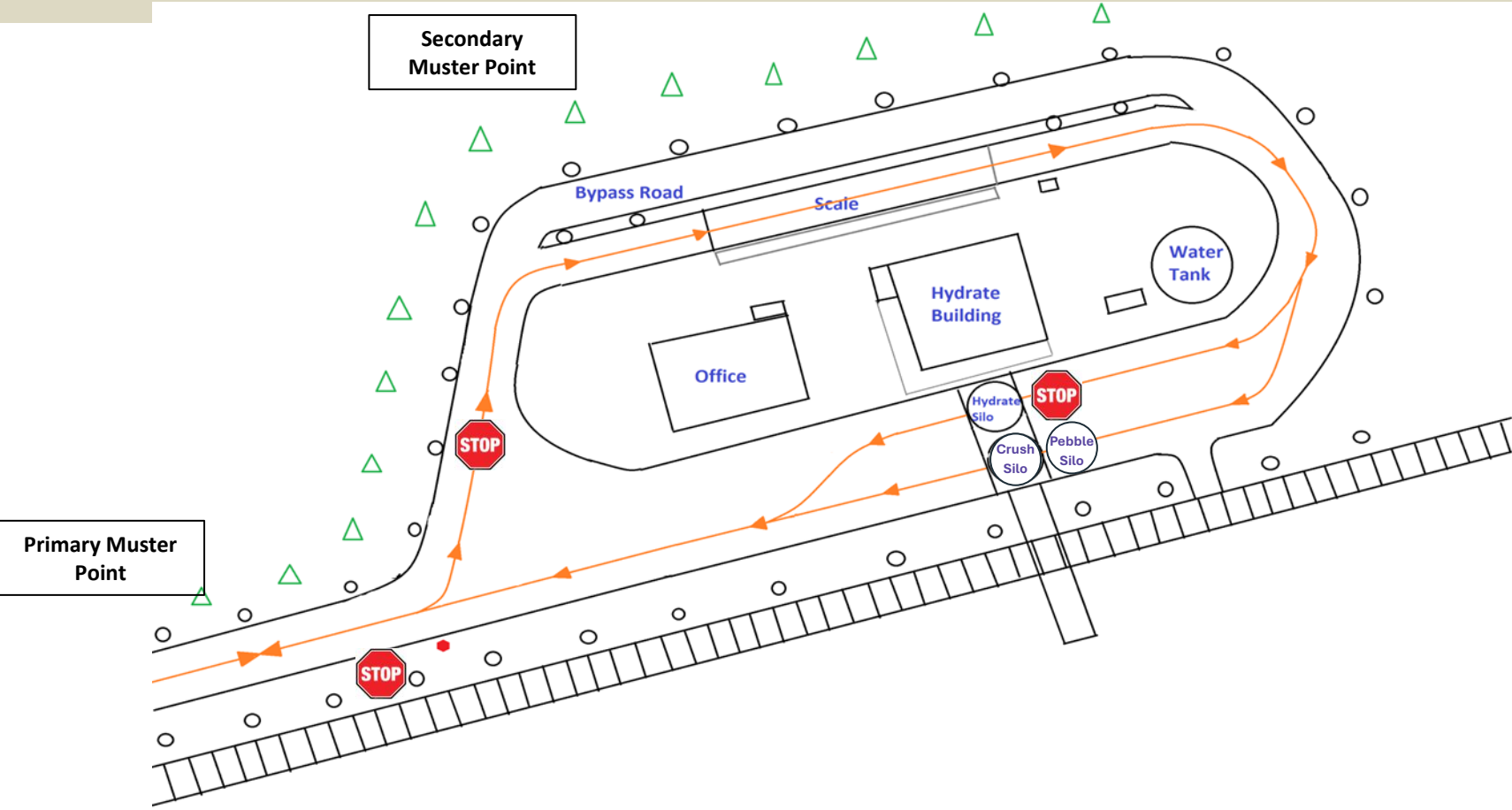
# Site Arrival

1. Review and understand this Safety orientation, please ask questions if anything is unclear.
2. Pick up your Safety Orientation sticker.
3. Sign in and Sign out on each visit at the control room.



**GRAYMONT**

# Site Map



## Smoking Policy

In compliance with the Alberta Regulations.  
Graymont does not permit smoking inside of buildings  
or within 5 meters (15 feet) of entrances or windows that open.

Smoking is **ONLY** permitted in the designated smoking area,  
located on the north side of the Office/Shop.



## Drug and Alcohol Policy

There is a Zero Tolerance policy in regards to  
drugs and alcohol consumption or intoxication at this site.



# Site Conduct

Graymont is committed to providing with an environment that promotes equal opportunities and prohibits discrimination.

All forms of harassment are prohibited.

All persons rights are to be respected.

All interactions are to be respectful, courteous and responsible.





# Site PPE

- ✓ **Mandatory** CSA Safety Glasses/ Eye Protection with side shields.
- ✓ **Mandatory** CSA Hard Hat
- ✓ **Mandatory** High Vis Clothing (on outside layer)
- **Mandatory** CSA Steel Toed boots
- ✓ **Mandatory** hearing protection when working in the Hydrator Building or near truck loadout/rail unloading areas.
- ✓ A CSA approved and inspected fall arrest harness if you may be working above heights of 4 feet.
- ✓ Task specific safety gear



When *potential exposure to larger volumes of lime products* is possible we recommend:

- ❖ a full Tyvek suit with taped cuffs
- ❖ a full face mask (filters P100)



# Site PPE

- ✓ Dust Mask in visibly dusty conditions (available in the Control Center)
- ✓ Hearing Protection required in production area, product loadout and posted areas (available in the Control Center)
- ✓ Gloves as warranted /desired



***NO CONTACT LENSES ON SITE!!!***



# Site PPE

May NOT be worn backwards unless forward use impedes the use of other safety accessories and the hard hat has been rated by the manufacturer for backwards wear.



Use your PPE as it is designed.

Tie up your boots.

Do not modify your PPE.



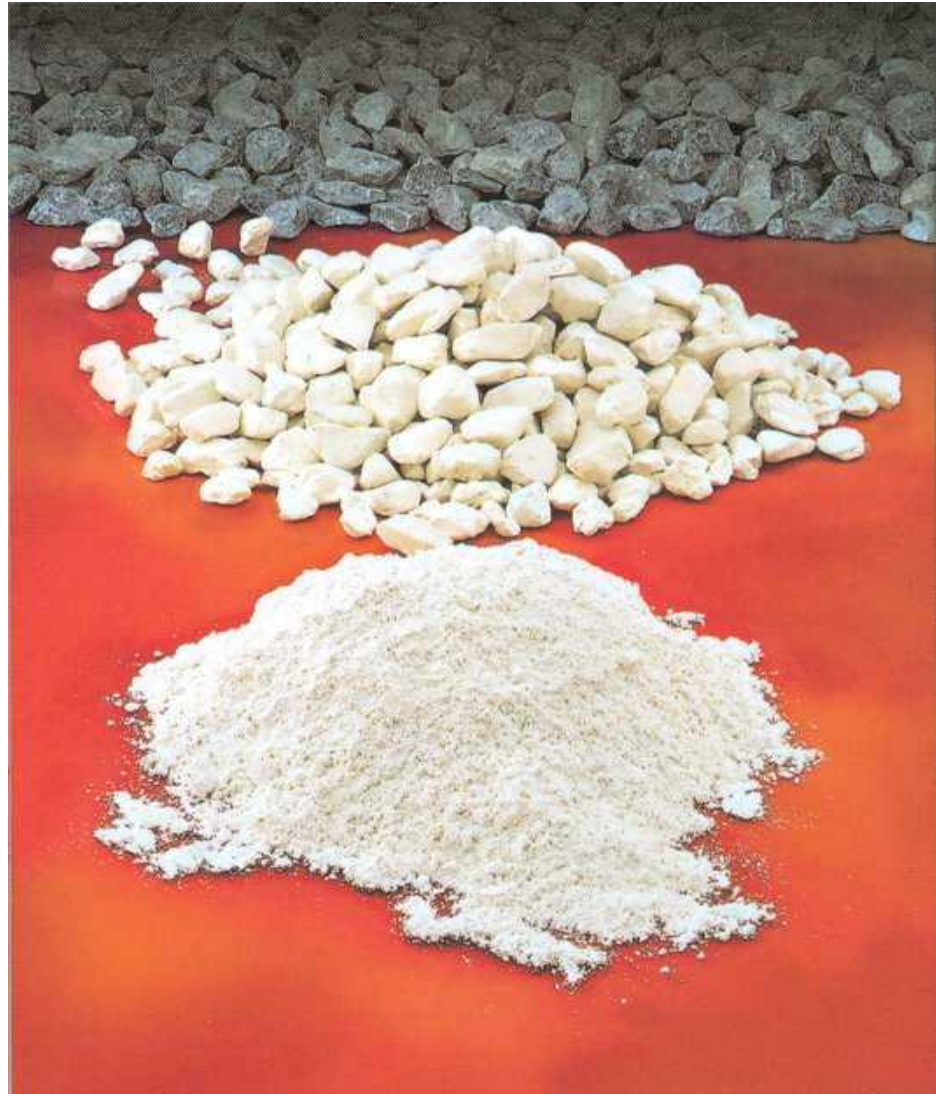
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# Graymont Products

**Quicklime 1061**


Pebbled

**Hydrated Lime 2048**




**GRAYMONT**



A photograph of two large, cylindrical industrial silos at a facility. The silos are made of metal with horizontal bands. They are supported by concrete bases. There are various pipes, ladders, and structural elements around them. The sky is clear and blue.

Hydrate (2048)  
Silo

Crushed Lime  
(1061) Silo

A photograph of a tall, cylindrical industrial silo. It has a complex structure with multiple levels, ladders, and platforms. The silo is made of metal with horizontal bands. It is situated next to other industrial structures. The sky is overcast.

Pebble Lime  
(1061) Silo

# Hazardous Materials

**SDS sheets for our products are on line.**

**<https://www.graymont.com/en/products/safety-data-sheets>**

**Please take the time to review these.**

# Lime - MSDS Key Information

**Common Names:** High Calcium Quicklime, Lime, Quicklime, Calcium Oxide, CaO

**Physical State:** Solid (pebble to powdered)

**Odor and Appearance:** White Crystalline Substance or Chunks

**Fire & Explosion Data:** Not flammable.

Avoid using water to fight fires unless required for other substances.

In which case flood as lime contact with water could cause ignition of paper, cardboard.

**Reactivity:** Reacts violently with water and acids.

Can generate heat sufficient to causes burns or ignite materials.

## **Toxicological Information:**

Routes of Entry include Skin Contact, Eye Contact, Acute Inhalation, Ingestion.

Not a recognized carcinogen may however contain trace amounts of Crystalline Silica.



# Hydrate - MSDS Key Information

**Common Names:** Calcium Hydroxide, Hydrated Lime, Slaked Lime, Milk of Lime,

**Physical State:** Solid

**Odor and Appearance:** Slightly Earthy Odor, Fine White Powder

**Fire & Explosion Data:** Not flammable.

Use extinguishing media appropriate to surrounding fire conditions.

**Reactivity:** Reacts violently with strong acids.

## Toxicological Information:

Routes of Entry include Skin Contact, Eye Contact, Acute Inhalation, Ingestion.

Not a recognized carcinogen may however contain trace amounts of Crystalline Silica.





# Lime Product Handling Precautions

Lime products are highly reactive in the presence of moisture, water and acids.  
(skin is slightly acidic with a pH of 5.5, Sweat is more acidic with a pH of 4-5)

***This reaction can lead to exothermic(heat) and/or chemical burn or irritation.***

**Wear protective equipment that:**

- ✓ Reduces or eliminates skin exposure
- ✓ Covers hands
- ✓ Protects eyes ***No contact lenses!***
- ✓ Reduces inhalation potential when conditions warrant
- ✓ Accounts for individual skin sensitivity



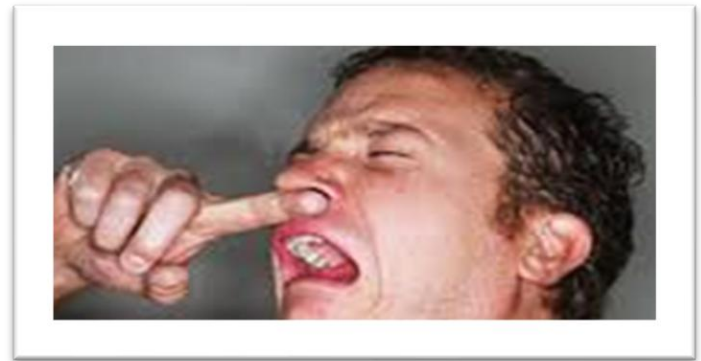
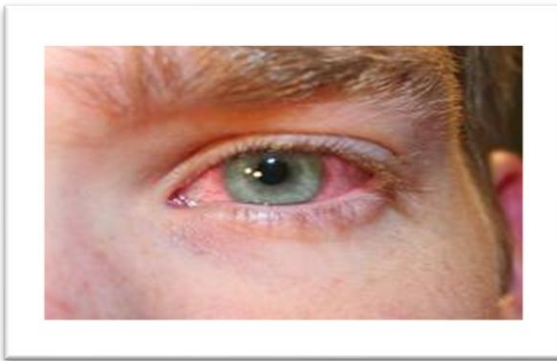
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# Lime Health Risks

## Acute Exposure Risks

- Skin irritation or chemical burn
- Eye irritation or chemical burn
- Irritation of breathing passages, coughing, sneezing
- Ingestion can cause mouth burns, stomach pain

*Irritancy/Burn risk is most severe to moist tissue*



# First Aid



Do not rub the eye or skin  
Gently brush off dry product from skin.

Rinse off wet product from skin.

Rinse eyes or skin gently for 15 min.

Mild inhalation – seek fresh air.

Ingestion – drink fruit juice or water/vinegar 2:1

*Seek Medical Attention if warranted.*



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# Emergency Response Equipment

Item	Location
First Aid Kits	Shop, Control Center and Bulk Loading Shack
Eye Wash Stations	Shop and Bulk Loading Shack
Emergency Showers	Women's washroom located on the Main floor of the Shop, southeast corner of the Hydrated Lime building
Automatic External Defibrillators	Shop
Splints, Backboards	N/A
Spill kits (pillows, snakes, absorbent pads)	Office/Shop, Scale Shack, Eye Wash Shack



# First Aid and Eyewash Station Use

First Aid kits are located in the Shop by the eye wash and in the bulk loading shack.



AED is located in the shop in the first aid station

There are trained standard first aid attendants on site.

2 types of eye wash stations on site located in the Shop and bulk loading Shack

All have a well marked activation door or pull tab.

**You MUST hold your eyes open and rinse for the full 15 min.**



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# Lime Plant Eyewash Stations

Shop

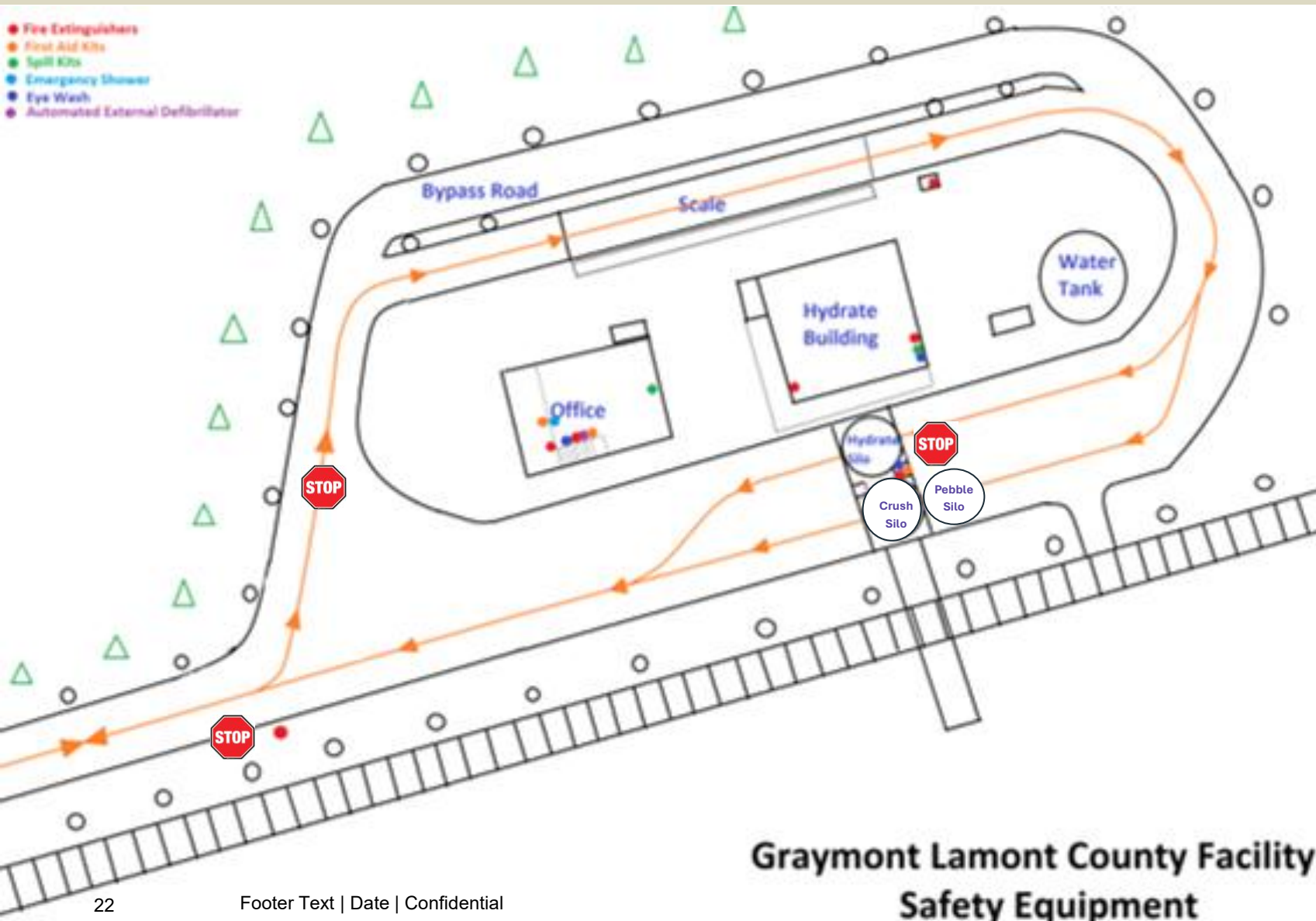


Bulk Loading  
Shack





# Map of Safety Equipment



# Devices and Cell Phone Use



**NO** iPods, Music players, Radios, phone headsets etc in production or plant site.

Cell phone use is prohibited while:

- performing labour tasks,
- driving or operating equipment,
- walking or moving around the plant site or production areas





# Site Traffic Hazards

There may be high volumes of traffic on this site.

Traffic Hazards such as heavy equipment, large trucks, mobile equipment, railway equipment, cars and pedestrians are present.

Make certain that the operator of moving equipment can see you.

Foot traffic has the right of way, all vehicles and equipment are to yield to pedestrians.

**Make eye contact and exchange a wave.**

**All Emergency Traffic has right of way!**



# Parking

Designated Parking Areas:

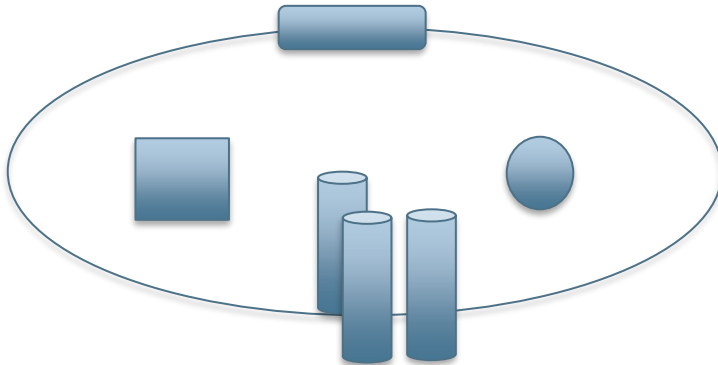
- West side of the Office (see picture below)
- along south side of entrance road before the stop sign

Do not interfere with traffic or emergency access.



# Speed Limit

## ► Ring Road Speed 10 km/hr



# Automatic Equipment

## ► WARNING!

- Equipment onsite will start and stop without warning, stay away!
- Remotely operated vehicles onsite.
- No unauthorized foot traffic is allowed at the rail offload and truck loadout areas.
- **BE CAREFUL!**



# Carrier / Contractor Washroom

## ► Carrier / Contractor Washroom

- A washroom has been provided for carrier/contractor use on the northwest corner of the Lamont Facility Building.
- This washroom will only be provided as long as the cleanliness of the facility is maintained by all who use it.
- Do not flush paper towels or hygiene products down the toilet.
- Inform a Graymont Employee if the washroom needs attention.



# Neighbors.



We have agriculture and residential neighbors.

Consider the impact your activity may have on them.

Take steps to reduce impact at every opportunity.

Be courteous, please slow down to 60 km/hr. when passing our neighbors.

# While on the Highway

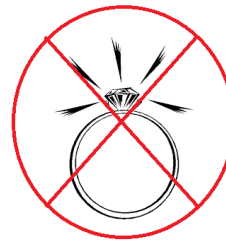
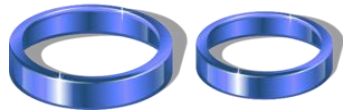
- ▶ All large vehicles must call the Graymont Lamont Terminal from the rest area located on HWY 831 prior to entering TWP Rd. 560
- ▶ Graymont Lamont has a road agreement with the County (one way traffic flow)
- ▶ Graymont cell phone contact numbers:
  - 780-940-1848
  - 780-940-0448
- ▶ Please put the above phone number into your cell phone!!!!

# Rings / Jewelry

All contractors shall follow the Graymont Lamont rings / jewelry policy:

- Rings – Only smooth bands may be worn in the Plant or Shop
- Earrings – No dangling earrings are allowed in the Plant and Shop
- Necklaces/Chains – Necklaces/Chains must be tucked under shirts and must not be able to fall out

**This policy is in place to prevent injuries!!!!**





# Emergency Protocol

The Site **Operator** is notified and **calls 911**

Onsite First Aider attendants.

A person may be delegated to get AED ( Shop First Aid Station )

A person may be delegated to meet the EMR ( at the plant entrance)

A person may be delegated to take photos

A person may be delegated to document the scene and who is on scene

A supervisor is notified ASAP when appropriate.

**560023 Range Road 200**

**Lamont County, Alberta**

**The Site, 5 km northwest of Lamont, Alberta.**

**Site Address:** S.W ¼ Sec 6, TWP 56, Rge 19, W4M, Latitude - 53° 48'30.80"N,  
Longitude 112° 49'24.11"W, Lamont County, Alberta, Canada.



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# Evacuation

The Emergency Coordinator will obtain the sign in book, located in the Control Center, to account for all personnel onsite.

All personnel will be notified by radio as well as a site search.

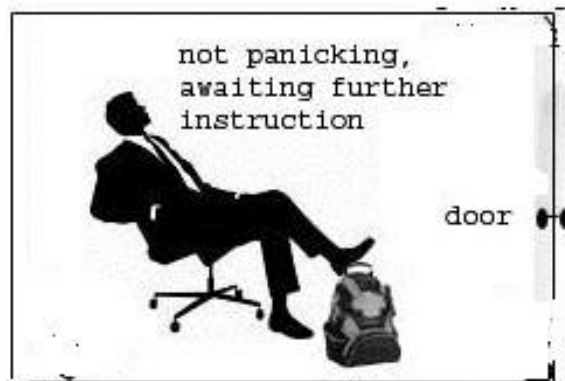
Primary Muster Point is located at the Graymont Sign at the end of the driveway. If this area is not accessible, secondary muster point is located north of the control room.



# Shelter in Place Plan

## ► A radio announcement will be made

- Proceed to the nearest area that offers shelter (an interior room with few/no windows where one can take refuge).
  - Mobile equipment/truck operators safely park and secure the equipment
  - Operators proceed with shutdown of the process
  - Ensure radio silence, except for emergency notifications
  - In case of a tornado, shelter in place in the Underground Railway Loadout Pit!



An interior room or rooms with few/no windows where one can take refuge.

# Rail Yard Safety

## BE ALERT

- Watch for railcar movement!
- Look for the flashing lights/ blue flags and listen for the horn.
- Never rely on others to protect you – WATCHOUT FOR YOURSELF
- You must be given permission from site personnel prior to entering rail area.
- When crossing the ends of a railcar you must be 15 ft. from the railcar.
- Be aware of tripping hazards - Ballast is uneven and ties and rails are slippery.
- Radio/verbal contact with operators/spotters when crossing tracks.
- 3 point contact on rail cars must be maintained.
- Stay clear of the tracks whenever possible.
- Never cross under equipment.
- Never cross between cars.
- If you do not need to be in the rail yard, don't be there!



# Fire Extinguisher Use Guidelines

***A portable fire extinguisher **may be utilized when:*****

Ideally the user has training.

The fire is small and contained.

Has sounded an alarm or notification.

The fire can be clearly seen.

The escape route is blocked by the fire.

The worker is not likely to be overwhelmed by heat, smoke or toxic fumes.



***The use of a portable fire extinguisher **must cease when:*****

The fire spreads or grows.

The smoke becomes  
thick and overwhelming.

The available fire extinguisher  
becomes empty.



## ***Once a fire has been successfully extinguished:***

A fire watch must be established.

The empty portable fire extinguisher must be brought to the office.

A replacement extinguisher is attained.

A supervisor must be notified

An HSE report must be filed.





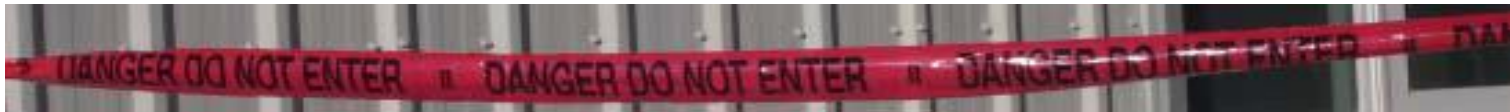
# Barricade Tape and Tags

*Used to warn individuals when a hazardous condition may exist.*

**Yellow “CAUTION” Tape:** The yellow “CAUTION” tape indicates that the secured area can be potentially hazardous. Assess the hazards prior to entering the area.



**Red “DANGER DO NOT ENTER” Tape:** The red “DANGER DO NOT ENTER” tape indicates a secured area contains a serious hazard. Entry to this location is forbidden and is restricted to the work crew assigned to the area.



When you use hazard tape or barricades to secure a site or work area ensure that a barricade tag is attached at each possible point of entry!



BARRICADE TAG	
DATE: _____	YOUR NAME: _____
YOUR COMPANY NAME: _____	
GRAYMONT CONTACT PERSON: _____	
REASON FOR HAZARD / INSTRUCTION: _____	
_____	
_____	



## Must be done for:

- | LIVE SAFE WORK FORCE   |   | 5 X 5                        |                     |
|--|---|------------------------------|---------------------|
| Eliminate 2. Substitute 3. Use Controls 4. Change Behaviour 5. Use PPE   |   |                              |                     |
| <input checked="" type="checkbox"/> Dusts <input checked="" type="checkbox"/> Coal Dust <input checked="" type="checkbox"/> Lime Dust <input checked="" type="checkbox"/> Liquid<br><input checked="" type="checkbox"/> Acids <input checked="" type="checkbox"/> Adhesives <input checked="" type="checkbox"/> Chemicals<br><input checked="" type="checkbox"/> Paints <input checked="" type="checkbox"/> Vapors/Exhausts<br><input checked="" type="checkbox"/> Other | <input checked="" type="checkbox"/> Control MSDS Sheets Review <input checked="" type="checkbox"/> Dust Goggles <input checked="" type="checkbox"/> Dust Mask<br><input checked="" type="checkbox"/> Ventilation <input checked="" type="checkbox"/> Face Shield <input checked="" type="checkbox"/> 1/2 Mask <input checked="" type="checkbox"/> Full Face Mask<br><input checked="" type="checkbox"/> Spill Kit <input checked="" type="checkbox"/> Tyvek Coveralls <input checked="" type="checkbox"/> Ear Plugs <input checked="" type="checkbox"/> Ear Muff<br><input checked="" type="checkbox"/> Portable Lighting <input checked="" type="checkbox"/> Flashlights/ Headlamps<br><input checked="" type="checkbox"/> Other |                              |                     |
| <input checked="" type="checkbox"/> Existing <input checked="" type="checkbox"/> Arc Flash Risk  | <input checked="" type="checkbox"/> Control LOTO <input checked="" type="checkbox"/> Ground Fault Interrupter Circuit used<br><input checked="" type="checkbox"/> Cord Suspended <input checked="" type="checkbox"/> Arc Flash PPE <input checked="" type="checkbox"/> Other  |                              |                     |
| <input checked="" type="checkbox"/> Power Lines <input checked="" type="checkbox"/> Suspended load<br><input checked="" type="checkbox"/> Kiln Coasting <input checked="" type="checkbox"/> Overhead Workers   | <input checked="" type="checkbox"/> Control Remove Scale/Coating <input checked="" type="checkbox"/> Barricade Zone<br><input checked="" type="checkbox"/> Tape and Tag Red <input checked="" type="checkbox"/> Yellow <input checked="" type="checkbox"/> Other  |                              |                     |
| <input checked="" type="checkbox"/> Workers <input checked="" type="checkbox"/> Pedestrians<br><input checked="" type="checkbox"/> Machinery in area <input checked="" type="checkbox"/> Vehicle/Train traffic   | <input checked="" type="checkbox"/> Control Traffic Watch/Control Attendant <input checked="" type="checkbox"/> Barricades<br><input checked="" type="checkbox"/> Tape and Tag Red <input checked="" type="checkbox"/> Yellow <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Radio   |                              |                     |
| <input checked="" type="checkbox"/> Cluttered <input checked="" type="checkbox"/> Debris/Product   | <input checked="" type="checkbox"/> Control<br><input checked="" type="checkbox"/> Pre-task Clean, Tidy, Stack in Area <input checked="" type="checkbox"/> Sweep/Shovel Debris  |                              |                     |
| <input checked="" type="checkbox"/> Environment - Hazard<br><input checked="" type="checkbox"/> Dryer <input checked="" type="checkbox"/> Water Come   | <input checked="" type="checkbox"/> Control Ventilation <input checked="" type="checkbox"/> Work/Rest schedule <input checked="" type="checkbox"/> Reflective Suit<br><input checked="" type="checkbox"/> Face Shield <input checked="" type="checkbox"/> Leather Gloves <input checked="" type="checkbox"/> Hydration <input checked="" type="checkbox"/> Work Rotation<br><input checked="" type="checkbox"/> Buddy System  |                              |                     |
| <input checked="" type="checkbox"/> Heat <input checked="" type="checkbox"/> Cold Temp: +15°C<br><input checked="" type="checkbox"/> Wind <input checked="" type="checkbox"/> Rain/Sleet <input checked="" type="checkbox"/> Snow<br><input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> Mud <input checked="" type="checkbox"/> Water <input checked="" type="checkbox"/> Uneven<br><input checked="" type="checkbox"/> Other                   | <input checked="" type="checkbox"/> Control Work/Rest schedule <input checked="" type="checkbox"/> Thermal Clothing/PPE<br><input checked="" type="checkbox"/> Polarized Safety Glasses <input checked="" type="checkbox"/> Rain Gear <input checked="" type="checkbox"/> Secure Loose Material<br><input checked="" type="checkbox"/> Sand <input checked="" type="checkbox"/> Fill <input checked="" type="checkbox"/> Drain/Pump out <input checked="" type="checkbox"/> Remove Debris<br><input checked="" type="checkbox"/> Personal Flootation Device <input checked="" type="checkbox"/> Other   |                              |                     |
| <input checked="" type="checkbox"/> Sharp Objects <input checked="" type="checkbox"/> Pinch Points<br><input checked="" type="checkbox"/> No Guards <input checked="" type="checkbox"/> Manual Lifting<br><input checked="" type="checkbox"/> Position <input checked="" type="checkbox"/> Bending/Twisting<br><input checked="" type="checkbox"/> Heavy Loads/Object <input checked="" type="checkbox"/> Pushing/Pulling  | <input checked="" type="checkbox"/> Control Protective PPE <input checked="" type="checkbox"/> Barricades<br><input checked="" type="checkbox"/> Tape and Tag Red <input checked="" type="checkbox"/> Yellow <input checked="" type="checkbox"/> Proper Lifting<br><input checked="" type="checkbox"/> Proper position <input checked="" type="checkbox"/> Reposition<br><input checked="" type="checkbox"/> Assistance <input checked="" type="checkbox"/> Work/Rest schedule <input checked="" type="checkbox"/> Fork lift<br><input checked="" type="checkbox"/> Rope/pulleys <input checked="" type="checkbox"/> Scissor lift <input checked="" type="checkbox"/> Man Lift <input checked="" type="checkbox"/> Crane          |                              |                     |
| <b>Task Assessment</b>   |   | <b>TASK COMPLETED SAFELY</b> | <b>TASK ONGOING</b> |
| Rated Y/N W/O Generated Y/N #  |   | Feb.28.2014 version          |                     |
| Equipment/Scrap, Waste/Debris Barricades, Signs, Tape, Tools<br>Replaced Y/N Tools Cleaned, Inspected, Operational and Put Away Y/N  |   |                              |                     |
| Replaced Y/N >>> Dept. Locks Group Lock Personal Locks<br>Turned ON Y/N Equipment Tested Y/N   |   |                              |                     |





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# Hot Work



**Hot Work Risk Assessment  
required when  
performing hot work outside  
the designated area.**

 <b>Hot Work Risk Assessment</b> <i>Risk Assessment only valid on date below</i>			
Name _____		Date _____	
<input type="checkbox"/> Maintenance	WO # _____		
<input type="checkbox"/> Production	Area/Unit # _____		
<input type="checkbox"/> Contractor	Contact # _____		
Company Name _____			
Hot Work			
<input type="checkbox"/> Welding	<input type="checkbox"/> Grinding	<input type="checkbox"/> Soldering	
<input type="checkbox"/> Cutting	<input type="checkbox"/> Burning	<input type="checkbox"/> Thawing	
<input type="checkbox"/> Other _____			
Can work be relocated to Designated Hot Work Area?			Yes <input type="checkbox"/> No <input type="checkbox"/>
If Yes, proceed to relocate work appropriately. If No, continue with Risk Assessment			
Yes <input type="checkbox"/>	Is proper fire suppression equipment available in the work area and in working order		
Yes <input type="checkbox"/>	N/A		
<input type="checkbox"/>	Have operations personnel been notified		
<input type="checkbox"/>	Has area been properly barricaded to prevent others from being exposed to Hot Work risks		
In Case of Emergency Contact			
Name _____			
Contact # _____			
For questions concerning Hot Work requirements or this Risk Assessment, refer to the Graymont Hot Work Safety Standard located on MyGraymont			
Continue on reverse side			

 <b>Hot Work Risk Assessment</b>	
Precautions	
Dedicated Fire Watch is <b>REQUIRED</b> if any of the following applicable precautions cannot be checked off	
Yes	N/A
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
Firewatch	
Is Fire Watch required? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Fire Watch must be maintained for a minimum of 1 hour after hot work has been completed	
Name of Fire Watch _____	
Complete the following once Fire Watch has ended	
Date _____	Time _____ AM PM
Signature of Fire Watch _____	
Turn in completed Risk Assessment to supervisor (attach to maintenance work order if applicable)	

# LOTOTO - Lockout, Tagout, Tryout

## LOTOTO PROCEDURE

1. **Notify all personnel.**
2. Complete a SWAP (Hazard Assessment)
3. Shutdown following standard operating procedures (control power devices to the off position)
4. Isolate energy sources (breakers, valves, pins, blocks, etc. in the off position). Interlocks and control power shall not be used to prevent unexpected startup.
5. Apply LOTOTO devices: hasps, locks, tags, etc. Every competent person involved in the lockout operation shall apply a personal lock to every energy source control device or to a group lockout (e.g. lock box). System locks are used for group lockout, when system locks are used, every competent person involved still must lockout the lock box with the system lock key(s) in it.
6. Relieve stored energy to a zero energy state in a controlled fashion.
7. Tryout, verify that every energy source is isolated. Starting control switches, testing circuits, cycling, visually inspecting position, manually trying, monitoring movement or discharge and observing bleeds, gauges & indicators are all acceptable tryout methods.
8. All control devices used to verify energy isolation shall be returned to the off position after tryout (test) is completed successfully.



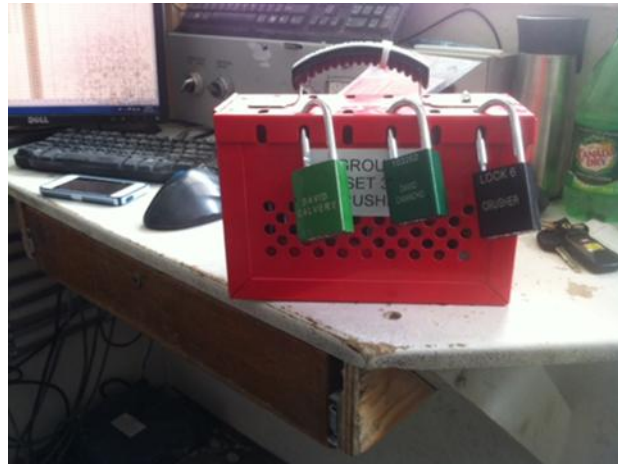
**You are ALWAYS required to Lockout with a Personal Lock during a Lockout!!!**



# Group LOTOTO

**GROUP LOTO PROCEDURE** As per LOTOTO procedure except:

1. Orderly shutdown is overseen by the Senior Operator or designate.
2. Apply Group Locks to energy isolation devices and record on the LOTOTO log.
3. The Senior Operator or designate along with other authorized employee(s) perform the tryout on everyone's behalf. It is documented on the Lock Application Log.
4. The Group Lock key is placed in the lockbox and a department lock applied followed by application of the personal locks of the authorized employees. Document the application of locks on the lock box log.
5. When the servicing/ maintenance is complete all personal locks and the department lock are removed from the lockbox by the authorized employee who applied them. Document on the LOTOTO log.
6. Remove Group Locks from energy isolation devices. *The Group LOTOTO Log will be turned in with SWAP(FLRA).*



Group Lock Box

# Contractor Locks

Each **Contractor Entrant** must apply a **tagged lock** to the lock box.

Each Individual must sign the LOTOTO log when they apply and remove their lock.

The lock must be removed when the individual is no longer participating in the LOTOTO.

The entrants lock must not remain on the lock box if the entrant has completed the task for the day.

[illegible]

# LOTOTO (Lockout Tagout Tryout)

***Hazardous Energy Training is required!***

The Operators are responsible for their process and the process area.

The Operator will lead the LOTOTO and document the process on the LOTOTO Log in a Group LOTOTO.

Group Locks



# Confined Space Entry

**Confined Space training is required!**

**Continuous Air Monitoring required**  
**Permit and Entry/Exit record required.**

An attendant must record the entries/exits and  
atmospheric readings

Working alone is not permitted in confined  
spaces.

**We can provide a permit and entry record.**



**GRAYMONT**

# Confined Space Permit and Entry Record

## CONFINED SPACE ENTRY PERMIT

ATTENDANT NAME \_\_\_\_\_

Entrants Initials \_\_\_\_\_

All Entrants Trained ☐

Entry Leader/ Attendant Signature \_\_\_\_\_

Indicating permit review prior to \_\_\_\_\_

Estimated Time inside \_\_\_\_\_

CONTINUOUS AIR MONITORING ☐ (R)

RADIO COMMUNICATION WITH ATTENDANT EVERY 20 MIN

ATTENDANT MUST RECORD ENTRY(S)/EXIT(S)

ATTENDANT MUST RECORD AIR QUALITY EVERY 20 MIN

TIME	O2 _____	CO _____	LEL _____
TIME	O2 _____	CO _____	

Entry Time \_\_\_\_\_ Exit Time \_\_\_\_\_

Entry Time \_\_\_\_\_ Exit Time \_\_\_\_\_

Entry Time \_\_\_\_\_ Exit Time \_\_\_\_\_

### Exit Evaluation

Atmosphere Monitoring: NO Alarms ☐

Permit Cancelled due to changing cond \_\_\_\_\_

Identify Change \_\_\_\_\_

Exit Temperature: Air \_\_\_\_\_ Surface \_\_\_\_\_

Rate your Comfort Level while you worked:

Normal ☐ Manageable ☐ Hot ☐ Too Hot ☐

## Part 2 – Authorized Entrants

Entrants and standby personnel shall review the permit, be familiar with the hazards and controls listed, and sign next to their name in acknowledgement of their understanding of the contents.

Entrant	Entry	Exit Time	Entry	Exit Time	Entry	Exit Time	Entry	Exit Time

## Air Monitoring Results (Continuous air monitoring required, record every 20 min)

Time	O2	Combustibles, %LEL	H2S	CO
	Ideal 20.9% allowable 19.5 – 23.5%	Less than 10% LEL allowable	less than 10ppm allowable	Less than 25ppm TWA / 8hrs STEL 100 ppm -15min limit



# Confined Space Permit Emergency

Attendant will prevent all entry!

1. Assess the situation and determine what happened and if there are any casualties.
2. Notify the Emergency Response Coordinator on the radio and call 911.
3. Ensure your own safety – use proper PPE and clothing.
4. If safe to do so remove casualty from the space to a safe area and administer first aid (if trained).
5. Ensure the SWAP for task is in hand with location of emergency equipment, LOTOTO, hazards and entrants recorded on it.



# Working At Heights

Fall Protection Training is required!



is obstructed or  
unusable at  
about 3 ft

***4 feet (1.22m) or more (regardless of the reason or duration).***

OR

***anytime an unusual risk of injury exists when working above ground level.***



"You weren't listening. I said, 'Don't fall.'"



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# Fall Hazard Elimination

**Eliminate Working at Heights  
whenever possible!**

Work at Ground Level  
Use Scaffold or a Work Platform  
Temporary Guardrails  
Aerial Devices  
Use Tools or Equipment



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# Aerial Devices



- Training required.
- Travel restraint required - **ONLY an SRL may be used.**
- Must remain within the basket and on the floor.
- Must use the manufactured anchor point.

# Ladders

A worker *may* work from a ladder without fall protection if:

- the work is a light duty, routine short duration (15min)
- Maintain three-point of contact and remain centered

**\*\* Any ladder with damage must be tagged and removed from service\*\***



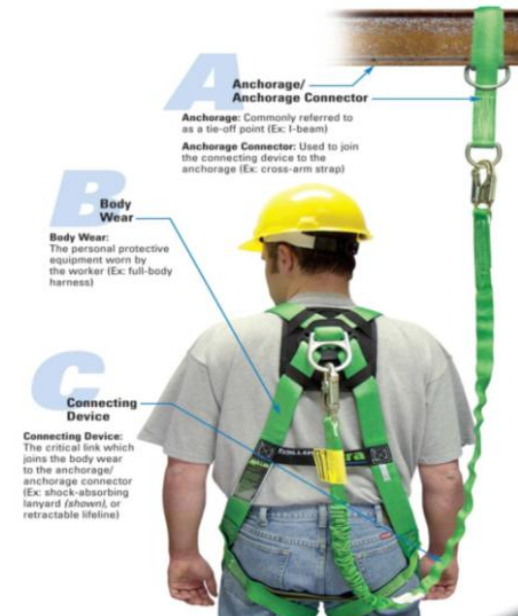
**GRAYMONT**

# Scaffold/Work Platforms

- Must be constructed, and maintained by a competent, usually certified person
- Scaffolding will have a tag (red, green or yellow) usually a yellow tag.
- You MAY NOT use scaffold that has a red tag, expired tag or no tag.
- If there are no guardrails you must use an appropriate travel restraint system.
- Load distributions must be evenly distributed and must not exceed  $\frac{1}{4}$  of the tagged load capacity.



# FALL PROTECTION PPE



**Training Required.**

**Full Body Harness, SRL, Lanyards, etc.**

**Used only when all other controls have been eliminated**

**NO WAIST BELTS!**



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## SRL The Recommended Lanyard

There are many reasons why the SRL is the recommended choice of lanyard for Graymont Lamont.

- An opportunity always exists for a fall to be arrested well before the maximum of the lanyard has been reached.
- The maximum fall distance is reduced.
- Reduced the risk of injury. (a shorter fall / less forces = less injury and trauma)
- Reduced swing risk factor.
- Opportunity for self-rescue or simplified rescue.
- Can be used in an Aerial device.
- Reduces the need for multiple lanyard choices.



**There is no downside to using an SRL as the worst case scenario in a fall arrest would be identical to the fall arrest scenario of an activated fixed length shock absorbing lanyard.**

# Travel Restraint Systems

Does not allow a worker to fall off the leading edge from any possible work position.

SRL is the recommended lanyard.



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# Fall Arrest

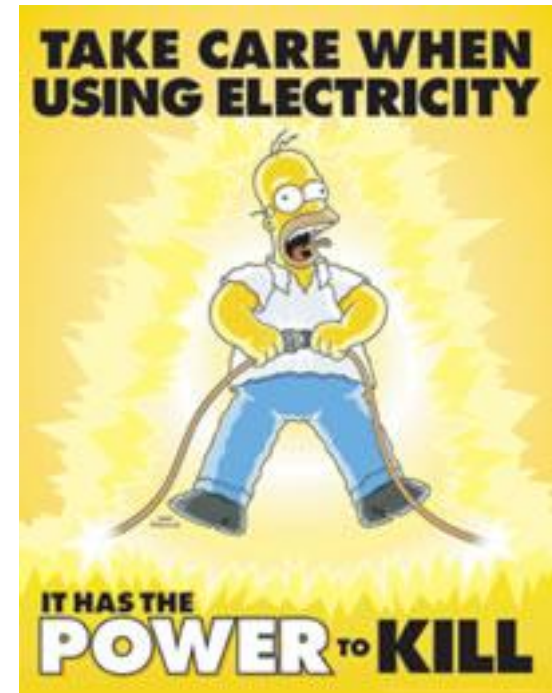
***Only when elimination, substitution and travel restraint options have been exhausted.***

- *Fall prevention only reduces the chance of injury when a fall takes place.*
- **The anchor point must be able to suspend a pick up truck.**
- An SRL is recommended.
- Suspension trauma straps are required on all harnesses
- **Working at Height component of FLRA and a Clearance Required Calculation Sheet must be completed.**



# Electrical Safety

- Always be aware of overhead electrical wires
- Know and be in compliance with Graymont LOTOTO policy and procedures
- Never work on electrical equipment while standing on a wet surface
- Proper training is required for all work on electrical equipment!!!!!!!



# Housekeeping Expectations

All workers are responsible for maintaining the area they are working in, clean up all:

- Slip, trip and fall hazards
- Spills
- Garbage
- Spare parts / machinery



Clean up and removal of all debris and litter is imperative. For disposal related questions contact your site representative.

Leaving items such as bolts, nuts or metal in an area can cause equipment and process issues as the items frequently end up in our system via our clean up systems. Litter such as water bottles waste must be disposed of in garbage receptacles or recycled.



# Mobile Equipment Use

Mobile Equipment may only be used by trained operators.

Inspections must be completed prior to use.

Inspection Books are located in the Mobile Equipment.

*Mobile Equipment is available for contractor use IF NEEDED.*



# WORKING ALONE

## When is a worker 'alone'?

- They are on their own
- They cannot be seen or heard by another person
- They cannot expect a visit from another employee





# Working Alone Procedure

No person considered to be working alone will be authorized to perform any of the following:

- Enter a confined space (attendant required)
- Work at heights or utilize fall protection equipment (spotter required)
- Enter the rail loadout pit

Procedure:

- Worker must complete a SWAP or field level risk assessment before beginning task.
  - Worker shall identify and notify a contact at start of task.
  - Worker will carry and utilize a charged active two-way radio at all times.
  - Worker is required to respond when being paged.
  - Worker will check in with specified contact every two hours.
  - If worker fails to check in, then the contact will immediately send someone to investigate.
  - If contact fails to locate the worker, the emergency response plan will be activated.



# Lifting and Rigging

- Only competent persons shall operate cranes and hoists.
- Cranes and hoists shall not be:
  - Loaded beyond rated capacity (except for test purposes)
  - Used for side pulls
  - Shock loaded
  - Left unattended with a suspended load
- All cranes and hoisting equipment must be inspected prior to use!!!
- Areas where lifting operations are to occur shall be identified with red danger tape and tagged, barricaded in a manner that works for the facility or monitored by a dedicated attendant to prevent personnel from passing under or near a suspended load.



# Color Codes for Piping

► The Graymont Lamont facility uses the American National Standards Institute for color coding requirements:

- RED - Fire protection systems
- ORANGE - Toxic and corrosive liquids
- YELLOW - Flammable liquids and gases
- BROWN - Combustible fluids
- GREEN - Potable water
- BLUE - Compressed air



# HSE Reporting

Help us to continue on our journey to World Class

Report every

- near miss,
- good catch,
- Property incident
- Environmental incident (spills, dust etc...)
- first aid, medical or injury incidents.

We accept reports via email, phone and in person.

# Smile your on Camera

**Please be Advised**

**For safety and security reasons recording cameras are in use on the Lamont Facility Site**



***GRAYMONT PROPERTY CANNOT BE REMOVED  
WITHOUT AUTHORIZATION FROM THE APPROPRIATE  
DEPARTMENT.***

# Orientation Quiz Confirmation

## Complete the quiz

- Click on Link above
- **Orientations are valid for one year from date of completion**
- Orientation stickers can be obtained from Facility Control Room

You will be required to produce your orientation sticker or certificate prior to being granted access to the Lamont Facility site