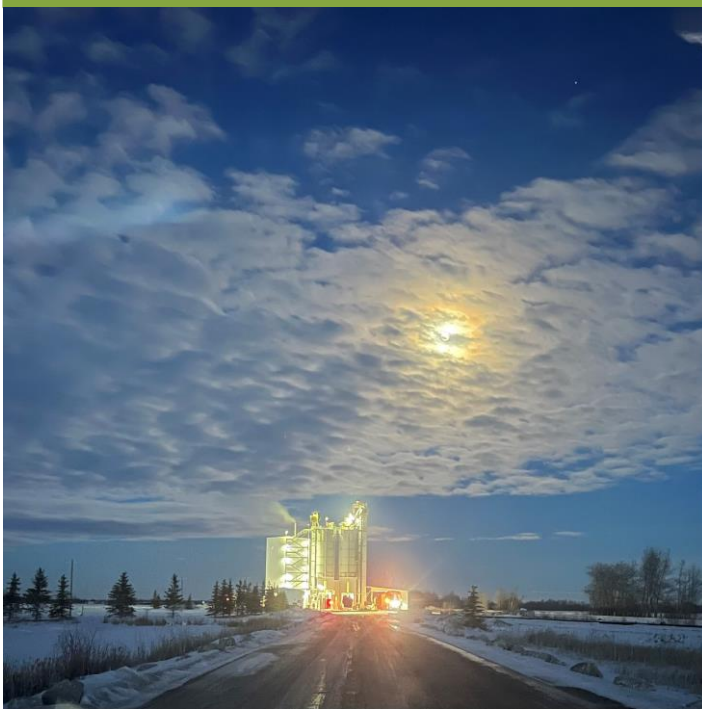




GRAYMONT

WELCOME TO GRAYMONT

Improving Our World



Lamont Contractor Orientation-2024

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.



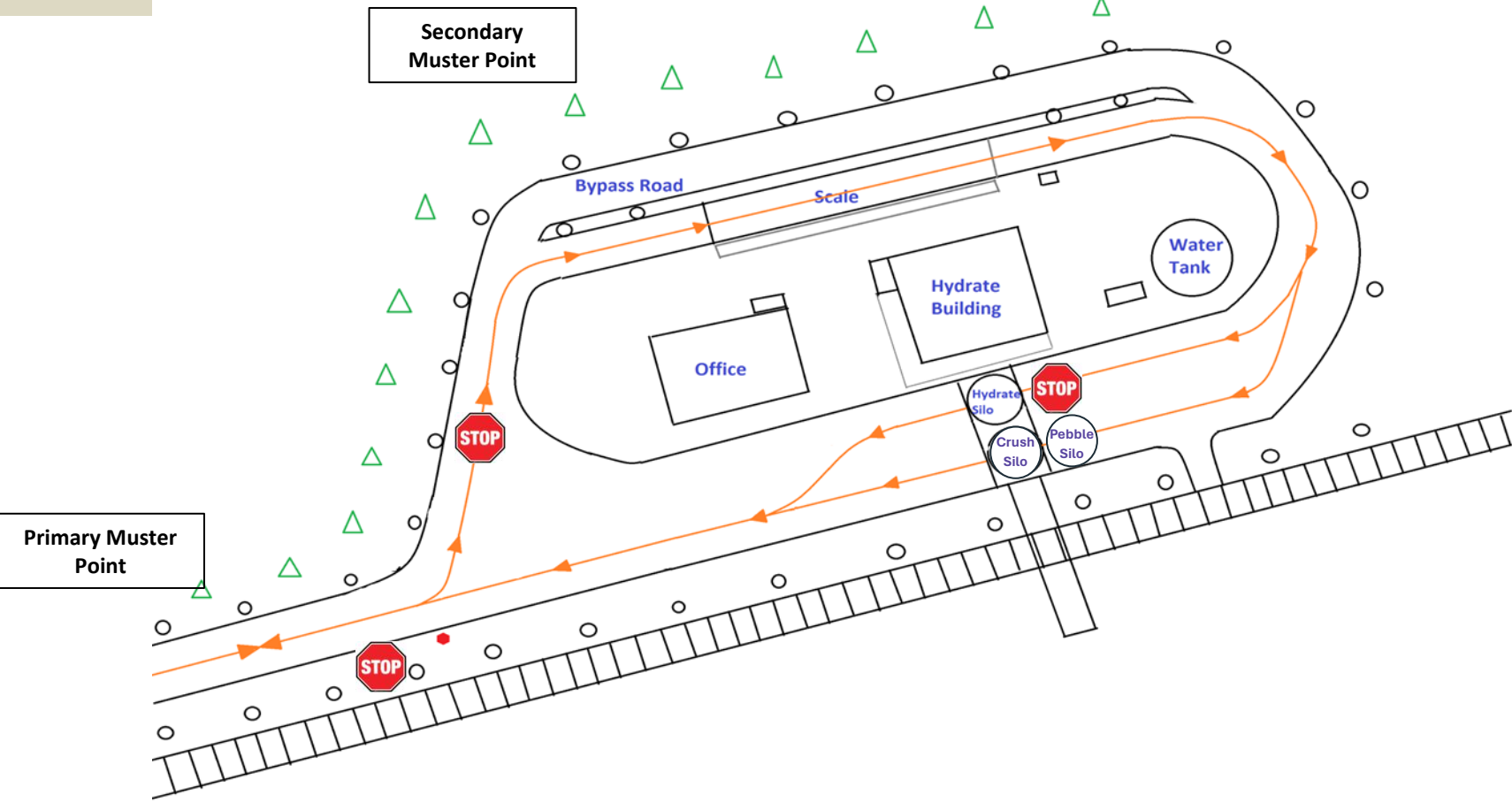
A visitor who is working or performing any work in a production or plant area is considered a contractor and must complete the Contractors Orientation.

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.** 



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.



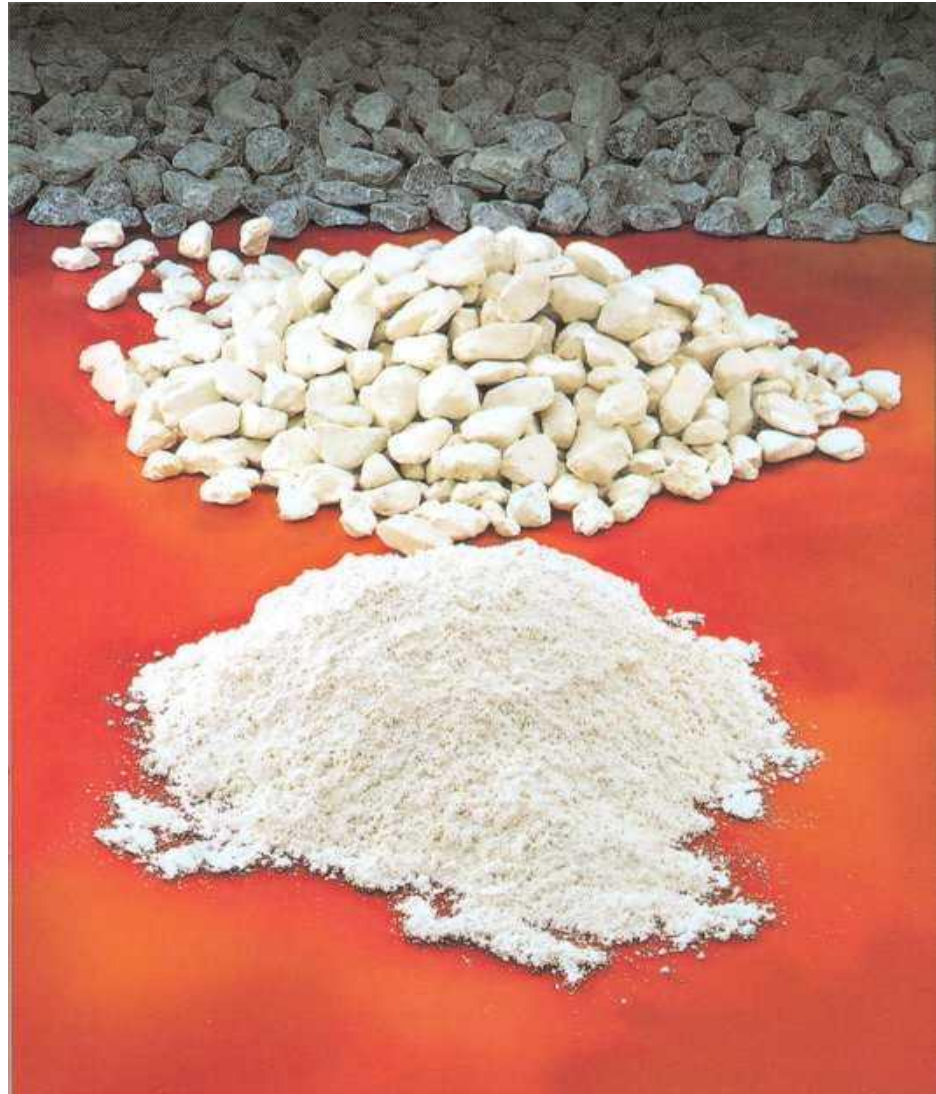
GRAYMONT

Graymont Products

Quicklime 1061

Pebbled

Hydrated Lime 2048



GRAYMONT

Hydrate (2048)
Silo



Crushed Lime
(1061) Silo

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



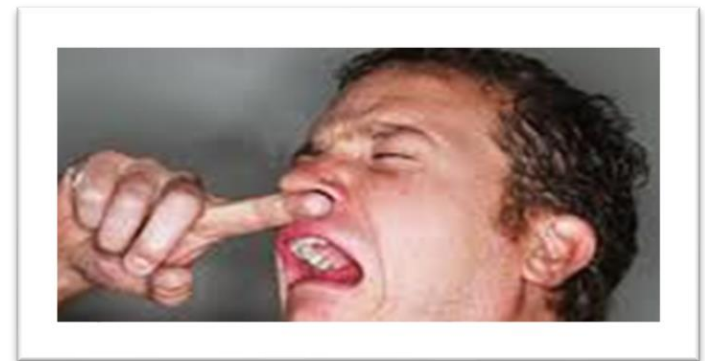
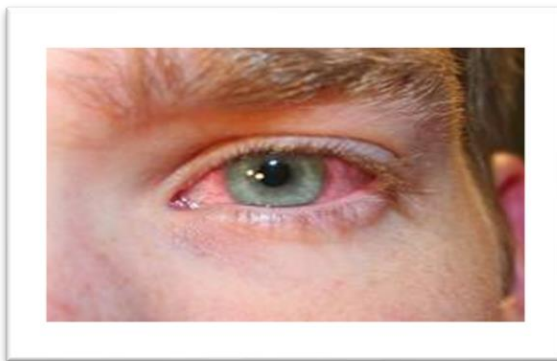
Lime Health Risks

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.



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.



Lime Plant Eyewash Stations

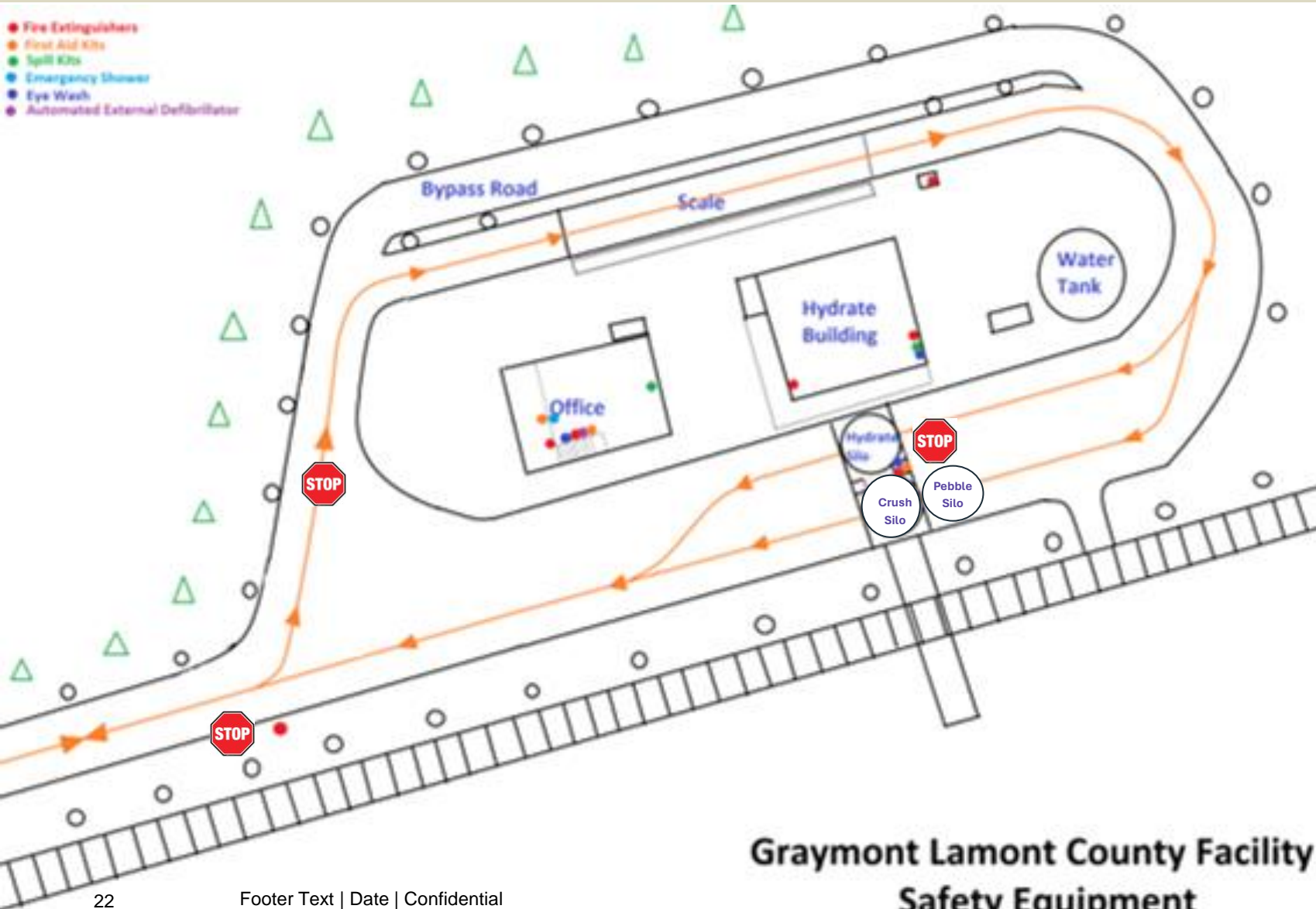
Shop



Bulk Loading Shack



Map of Safety Equipment



Graymont Lamont County Facility
Safety Equipment



GRAYMONT

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:

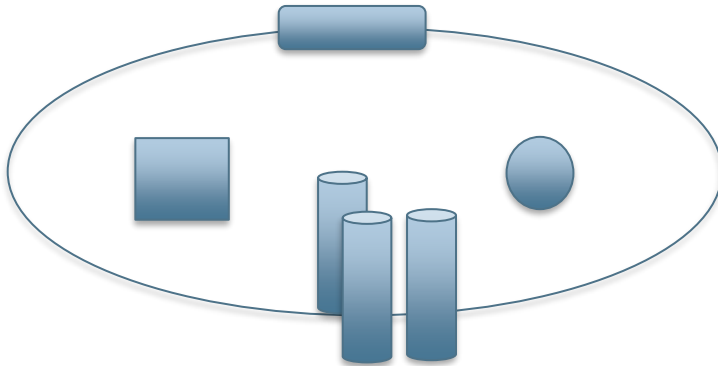
- West side of the Office (see picture below)
- along south side of entrance road before the stop sign

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.
- **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

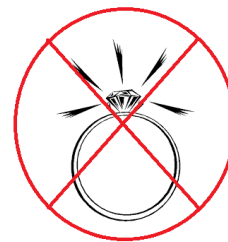
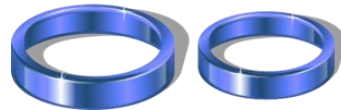
- ▶ **All large vehicles must call the Graymont Lamont Terminal from the rest area located on HWY 831 prior to entering TWP Rd. 560**
- ▶ Graymont Lamont has a road agreement with the County (one way traffic flow)
- ▶ Graymont cell phone contact numbers:
 - 780-940-1848
 - 780-940-0448
- ▶ Please put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



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.

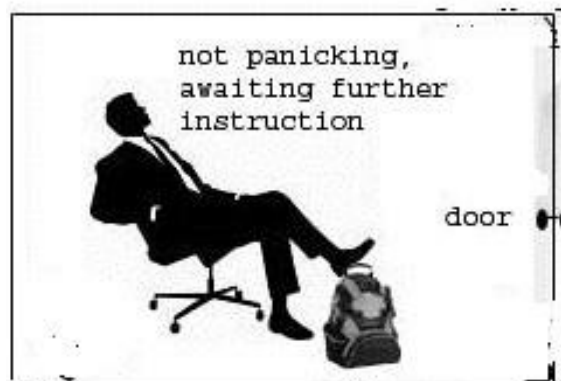
Primary Muster Point is located at the Graymont Sign at the end of the driveway. If this area is not accessible, secondary muster point is located north of the control room.



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
- 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: _____

Field Level Risk Assessments

Must be done for:

- Every group
- Every task
- Every shift
- Every condition change

LIVE SAFE WORK SAFE
Eliminate 2. Substitute 3. Use Controls 4. Change Behaviour 5. Use PPE

5 X 5

| | |
|--|--|
| Hazards: Dusts, Coal Dust, Lime Dust, Liquid, Acids, Adhesives, Chemicals, Paint, Vapors/Exhausts, Fumes, Other | Control: MSDS Sheets Review, Dust Goggles, Dust Mask, Ventilation, Face Shield, 1/2 Mask, Full Face Mask, Spill Kit, Tyvek Coveralls, Ear Plugs, Ear Muff, Portable Lighting, Flashlights/Headlamps, Other |
| Hazards: Exist, Arc Flash Risk | Control: LOTO, Ground Fault Interrupter Circuit used, Cord Suspended, Arc Flash PPE, Other |
| Hazards: Power Lines, Suspended Load, Kiln Coating, Overhead Workers | Control: Remove Scale/Coating, Barricade Zone, Tape and Tag, Red, Yellow, Other |
| Hazards: Workers, Pedestrians, Machinery in Area, Vehicle/Train Traffic | Control: Traffic Watch/Control Attendant, Barricades, Tape and Tag, Red, Yellow, Eye Contact, Radio |
| Hazards: Cluttered, Debris/Product | Control: Pre-task Clean, Tidy, Stack in Area, Sweep/Shovel Debris |
| Hazards: Environment - Hazard, Dryer, Water, Condensate | Control: Ventilation, Work/Rest schedule, Reflective Suit, Face Shield, Leather Gloves, Hydration, Work Rotation, Buddy System |
| Hazards: Heat, Cold, Temp: +14°C, Wind, Rain/Sleet, Snow, Ice, Mud, Water, Uneven, Other | Control: Work/Rest schedule, Thermal Clothing/PPE, Polarized Safety Glasses, Rain Gear, Secure Loose Material, Sand, Fill, Drain/Pump out, Remove Debris, Personal Floatation Device, Other |
| Hazards: Sharp Objects, Pinch Points, No Guards, Manual Lifting, Bending/Twisting, Heavy Loads/Object, Pushing/Pulling | Control: Protective PPE, Barricades, Tape and Tag, Red, Yellow, Proper Lifting, Proper position, Reposition, Assistance, Work/Rest schedule, Fork lift, Rope/pulleys, Scissor lift, Man Lift, Crane |

Post Task Assessment: TASK COMPLETED SAFELY, TASK ONGOING, Feb. 28 2014 version

Equipment: Replaced, W/O Generated, Scraps, Waste/Debris, Barricades, Signs, Tape, Tools, Locks on Machinery/Equipment Replaced, Tools Cleaned, Inspected, Operational and Put Away, Personal Locks, Equipment Tested

RESTRICTED / CONFINED SPACE PRE-ENTRY ASSESSMENT A difficult Entry/Exit = a restricted OR confined space

MANDATORY PRE-ENTRY AIR TEST

Air Monitor: Bump Tested at Station, Fresh Air Test

high/low: O2 20.8, CO 0, LEL 0

Physical Hazards: Obstructions/Obstacles, Water, Poor Visibility, Mechanical, Noise, Heat, Unstable Surface, Mobility Limited/Impeded, Product Present, Hazardous Energy/LOTO, Height

Human Hazards: Phobias, Physical Limitations, Illness, Physical condition, Heat, Stress, Fatigue

Hot Environment Hazard: When Temperature above 30°C / 86°F, Pre-Entry Temperature: Air, Surface, Estimated Time Inside Space: 4 hrs, Estimated Frequency of Entry: Once

HAZARDS CONTROLLED= CONFINED SPACE

HAZARDS UNCONTROLLED WHEN TEMPERATURE EXCEEDS 38°C / 100°F
CONSULT SPECIFIC ENTRY PROCEDURE OR SUPERVISOR

Exit Evaluation: Exit Temperature: Air, Surface

HOT WORK

Air-gauging, Burning, Chipping, Cutting, Combustion Engine, Grinding, Soldering, Welding, Hammering, Open Flame Capping (PERMIT REQUIRED), Other

Hoses: Free of leaks, Tanks in good condition, PPE, Task Appropriate

Can you do this work in a 15 min window?

Flammable/Combustible: Wood/Pallets, Cons, Paper/Cardboard, Surfaces (Drywall, Wood, Pipelines, Tanks, Vessels), Coal System/Dust in area, Other

Flammable/Controlled: > 35 ft radius (Above/Below), > Shielded/painted, Fire Blanket, Wet Deck, Other

Spark/Slag/Holes/Gaps/Vents/Venues, Shafts/Elevators, Other

Controlled: Ensured safe work conditions, Screens, Fire Blanket, Other

Uncontrolled: PERMIT REQUIRED

Atmospheric: Gas leak potential in area, Other, Controlled: Ensured safe work conditions, Uncontrolled: PERMIT REQUIRED

Small tight area, Pit, Other, Controlled: Gas

chemco electrical contractors Ltd.

HAZARD ANALYSIS REVIEW TASK

Emergency Meeting Point: _____ Date: _____

Person: _____ Work to be done: _____ Task Location: _____

Review the following with the work crew at the work site and check the items which only apply to the job. List them on the other side and in the third column identify the plans to eliminate or control them.

| | | |
|---|---|---|
| Environmental Hazards Spill potential Waste Containers needed Waste properly disposed Waste plan identified Excavation permit required Other works in area Weather conditions MUDL reviewed | Access/Egress Hazards Scaffold (unprotected end tagged), Ladders (load off), Slip / trips Hurling tools, material Evacuation (alarms, stairs, phone #) Confined space entry permit required | Rigging Practice Hazards Lift study required Proper tools used Tools inspected Straps inspected Slings inspected Offsets working overhead / below Critical lift permits |
| Ergonomic Hazards Awkward body position Over exertion Prolonged twisting/bending motion Working in a tight area Lift too heavy / awkward to lift Parts of body in line of fire Repetitive motion Hands not in line of sight Working above your head | Electrical Hazards GFI test Lighting levels too low Working on live energized equip. ELEC. control system Clear: make condition Fire extinguishers H2S work or electrical permit required | Overhead / Electrical Work Hazards Barricades and signs in place Hole coverings identified Handrail / Lanyard inspected 100% Tie-Off Tie-off points I.D. Hoisting items Foreign bodies in eyes Hoisting or moving loads overhead |
| Personal Limitations / Hazards Procedure not available for task Conflicting instructions No training for task or tools to be used First Aid performing this task Minimum required Injuries are to be reported to your supervisor | Is the worker working alone? YES NO If yes, what is the communication system put in place for the level of hazard? | |

It is important that all hazards have plans to eliminate them and the plans are put in place. Ensure that all associated permits are closed off at end of job.

SAFE WORK

Date: 11/28/14

W/O# 96

Location: Task Description

Mobile Equip: _____

Specialized: _____

Rate the Risk: This task is Affected by _____

Working Area: Check in every Confined Space

Task Location: Depart

Equipment: 29

4 OR MORE CONS: _____

Energy Sources: Thermal, Spring/Fly, Dust Collector, Other(s): _____

Isolation: Electrical, Energy Release, Other: _____



Hot Work



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

| GRAYMONT | | Hot Work Risk Assessment | |
|--|--------------------------|--|-----------|
| | | <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"/> | Cutting | <input type="checkbox"/> | Burning |
| <input type="checkbox"/> | Other | <input type="checkbox"/> | Soldering |
| <input type="checkbox"/> | | <input type="checkbox"/> | Thawing |
| 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 | N/A | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Have operations personnel been notified | |
| <input type="checkbox"/> | <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 | | | |

| GRAYMONT | | Hot Work Risk Assessment | |
|--|--------------------------|--|-------------|
| Precautions | | | |
| Dedicated Fire Watch is REQUIRED if any of the following applicable precautions cannot be checked off | | | |
| Yes | N/A | Precaution | |
| <input type="checkbox"/> | <input type="checkbox"/> | Relocate combustibles and flammable liquids a minimum of 35 ft/11 m from the immediate work zone. If not relocated, use flame-resistant protective guards to protect from ignition sources | |
| <input type="checkbox"/> | <input type="checkbox"/> | All floor and/or wall openings, doorways, and windows are closed and/or covered to prevent sparks from contacting combustibles | |
| <input type="checkbox"/> | <input type="checkbox"/> | Floors swept clean of combustibles for an adequate distance - 35 ft/11 m | |
| <input type="checkbox"/> | <input type="checkbox"/> | Combustible floor surfaces wet down and/or covered w/damp sand or fire-resistant protective guard | |
| <input type="checkbox"/> | <input type="checkbox"/> | Combustibles/flammables moved away from other side of wall, ceiling, or roof | |
| <input type="checkbox"/> | <input type="checkbox"/> | Conveyors/ducts shutdown and/or precautions taken to prevent sparks from being transferred | |
| Firewatch | | | |
| Is Fire Watch required? Yes <input type="checkbox"/> No <input type="checkbox"/> | | | |
| <i>Fire Watch must be maintained for a minimum of 1 hour after hot work has been completed</i> | | | |
| 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.

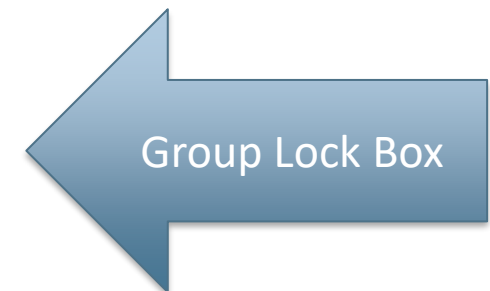


You are ALWAYS required to Lockout with a Personal Lock during a Lockout!!!

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).*



Contractor Locks

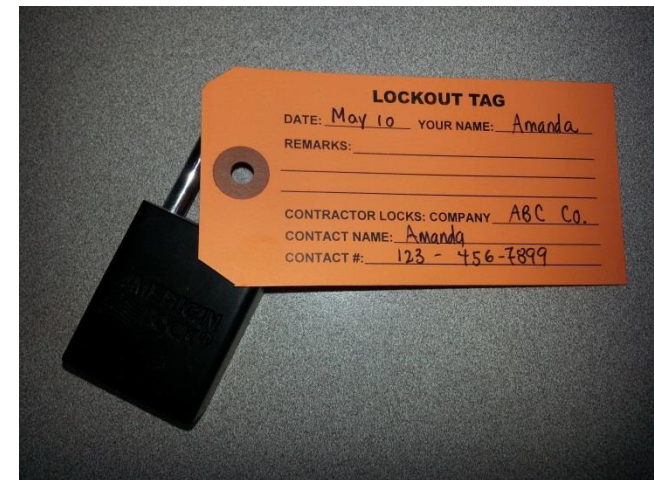
Each **Contractor Entrant** must apply a **tagged lock** to the lock box.

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.

| KILN 1 - LOCKBOX LOG | | | | | | |
|---|--------------------------|----------|--------------------------|--|----------|--|
| I have reviewed the related Lockout Log and documentation, as desired performed additional verifications. I am satisfied that Hazard Energy Control is attained and procedures have been followed. | | | | | | |
| NAME AND COMPANY | DATE & TIME LOCK APPLIED | INITIAL | DATE & TIME LOCK REMOVED | | INITIAL | NOTES/ COMMENTS |
| Ken Thompson | 8:00 am Jan 22 | KT | Jan 22 6:00 pm | | KT | Dale needs a coin functioning a great job on lock out very organized. Ken MRF + Kiln |
| Peter Kelly KELLY | 8:00 am 8:00 am | PK PK | 8:30 am | | PK | |
| Martin Katarun Doug Curry | 8:30 am | DK DK | 8/22/14 - Noon " " " | | DK DK | OPERATORS deserve "Safety Coins" |

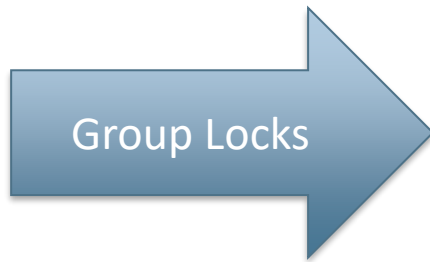


LOTOTO (Lockout Tagout Tryout)

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.



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.



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 conditions
 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!



A door handle is usually at about 5 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.'"

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



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****



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!

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.



Fall Arrest

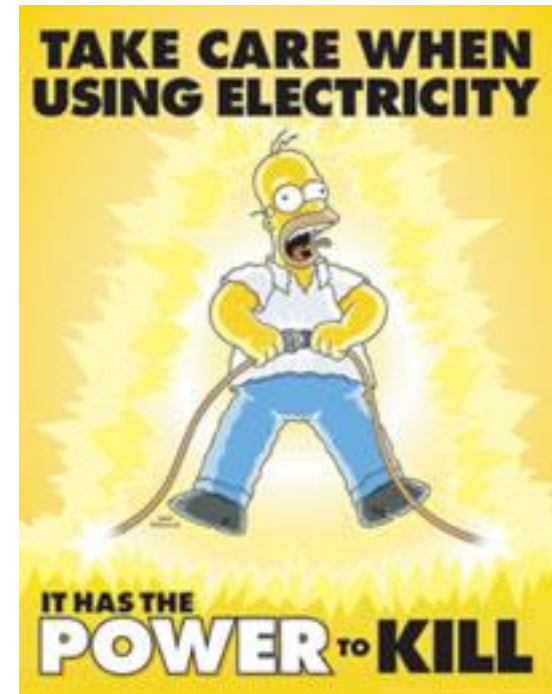
Only when elimination, substitution and travel restraint options have been exhausted.

- *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

Orientation Link

- Click on Link above
- Complete the quiz
- Come to the office to receive your score and orientation sticker

You must have your orientation sticker on your hard hat when on the Lamont Facility site