



**GRAYMONT**

# WELCOME TO GRAYMONT

Improving our world

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**Indian Creek Contractor Site Specific Training 2025**

# Welcome to Graymont



# Health, Safety, Environmental (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.

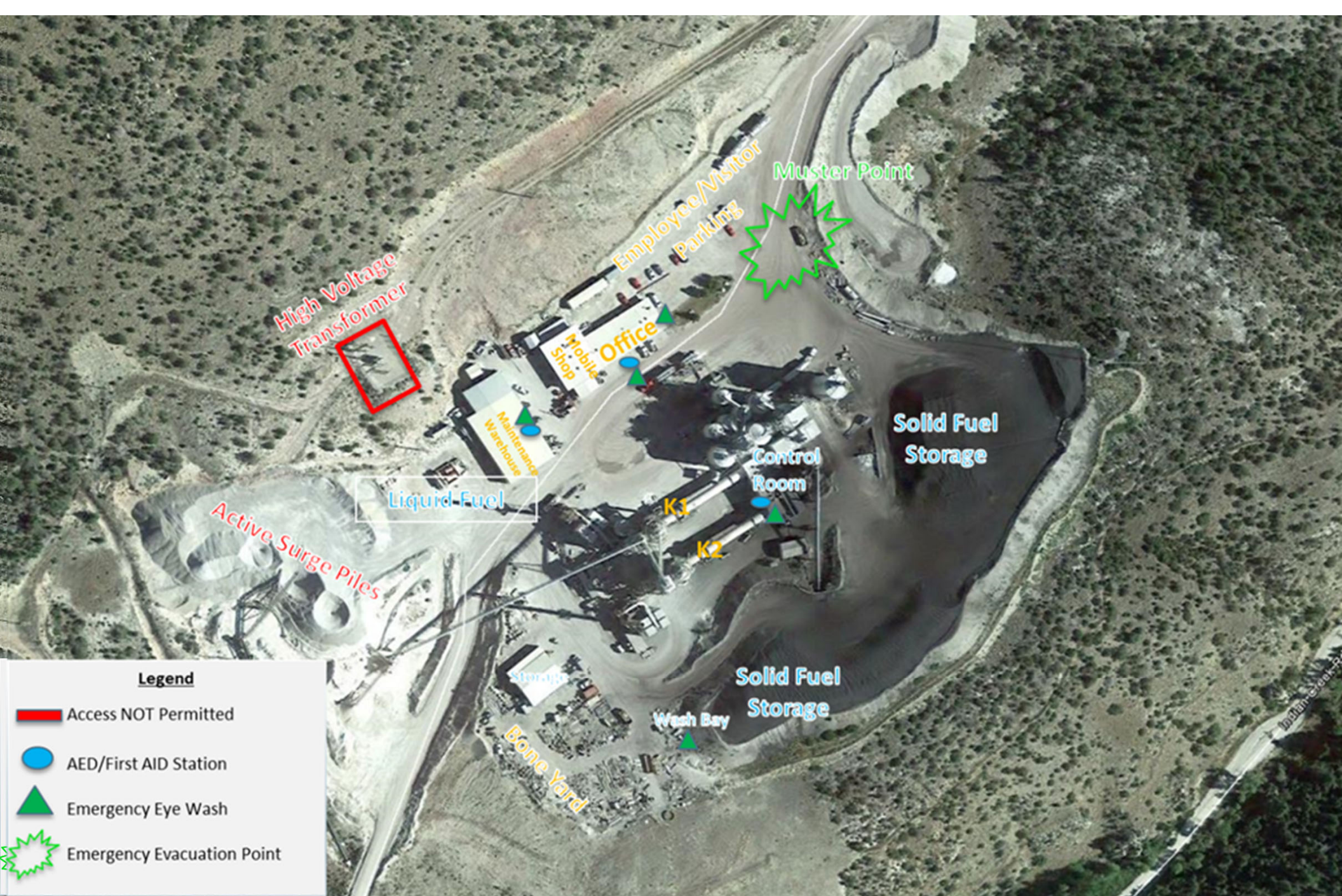
# Site Arrival

- ▶ **Pick up your Safety Orientation sticker.**
  - 2025 Color – Orange
- ▶ **PPE is available in the office for site visitors** (Safety glasses, Hi-Viz vest, hard hat, and safety toe shoes mandatory)
- ▶ **All visitors must be accompanied by plant personnel**
- ▶ **Orientations must be completed on an annual basis per calendar year.**



- ▶ During normal business hours (M-F 7am- 4pm) **Sign in** and **Sign out** in the main office.
- ▶ After hours: **Sign in** and **Sign out** on the clip board in the safety room next door to the office.









# Drug and Alcohol Policy

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



Alcohol and Drug testing are a component of Incident Investigation on this site. All Graymont employees and contractors are subject to Graymont's Drug and Alcohol Policy while working at the Indian Creek Facility.



## IC Smoking Policy

Smoking (including e-cigs) is allowed on **breaks only**.

In posted **designated areas only**.

MSHA inspectors can fine individuals for smoking in non-smoking areas



## IC Smokeless Tobacco Policy

Smokeless tobacco is permitted at the IC facility **EXCEPT** office areas. Users **MUST** maintain exceptional hygiene practices when spitting and disposing of smokeless tobacco.

- Absolutely no spitting in Graymont garbage cans or on Graymont walking or working surfaces (e.g. sidewalks, shop floors)





# Site Conduct

Graymont is committed to providing 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.



# Amenities



Please use the office restroom located inside the employee breakroom.



Water at the IC site is potable. Drinking water is also provided in the employee breakroom.



Litter and refuse **MUST** be disposed of in the containers provided.

# Hazardous Materials

**Safety data sheets (SDS) sheets for our products are online.**

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

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

# Graymont Products

## **Aggregates**

Landscape Grade

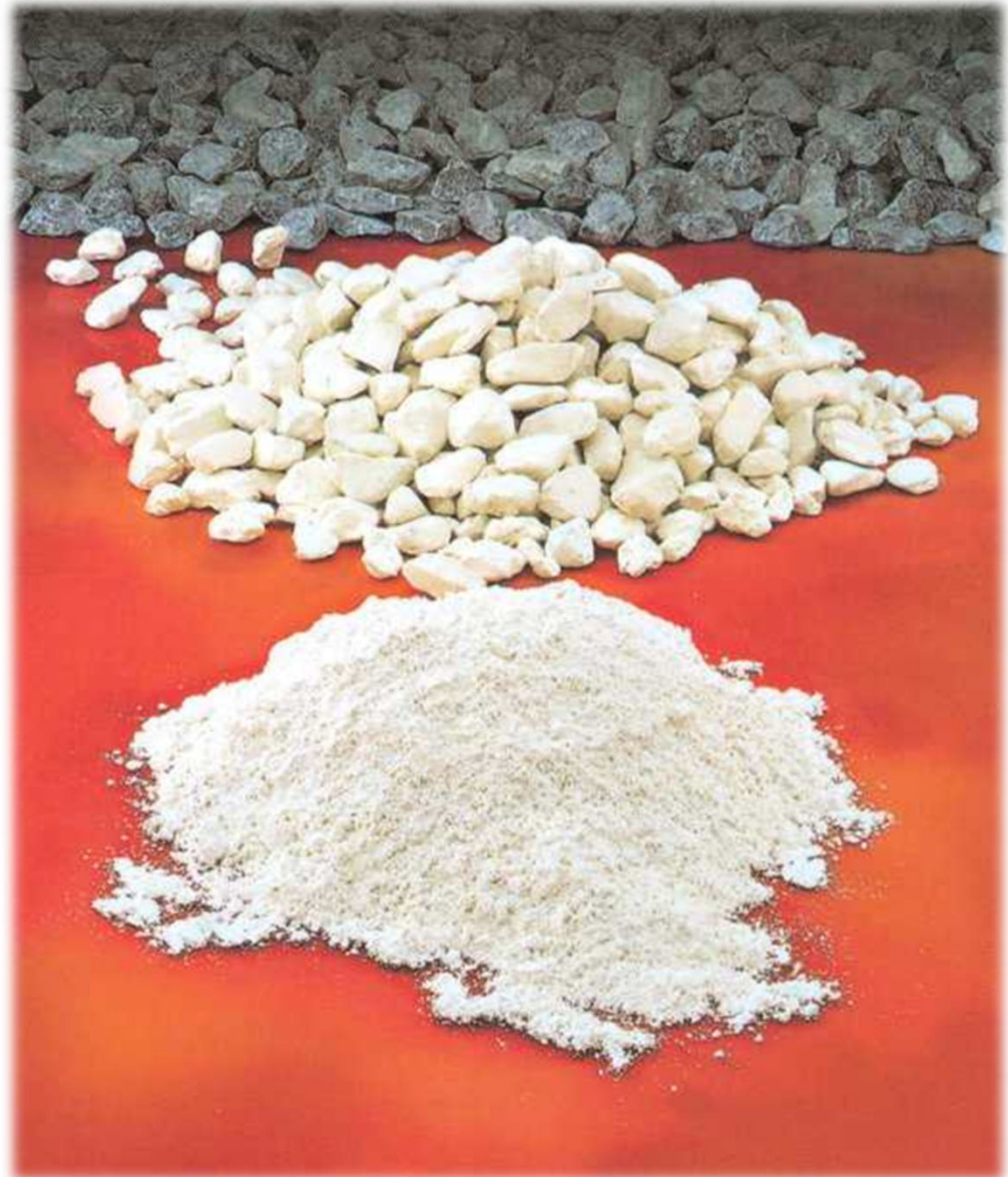
## **Quicklime**

Pebbled and Crushed

(Calcium Oxide,  $\text{CaO}$ )

## **Hydrated Lime**

(Calcium Hydroxide,  $\text{Ca}(\text{OH})_2$ )



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# Lime - SDS Key Information

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

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

**Odor and Appearance:** Slightly Earthy Odor, 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.

Strong base, can cause chemical burns of the eyes, mouth, and skin

## 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 - SDS 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.

Hydrate does not burn. Use extinguishing media appropriate to surrounding fire conditions.

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

Strong base, can cause chemical burns of the eyes, mouth, and skin

## 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.



# Limestone Products - SDS Key Information

**Common Names:** Limestone, Calcium Carbonate, Calcite, Ground Limestone, AggLime

**Physical State:** Solid

**Odor and Appearance:** Odorless , Greyish solid or powder.

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

Limestone does not burn. Use extinguishing media appropriate to surrounding fire conditions.

**Reactivity:** Limestone is chemically stable.

## 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 which can cause silicosis of the lungs



# Lime Product Handling Precautions

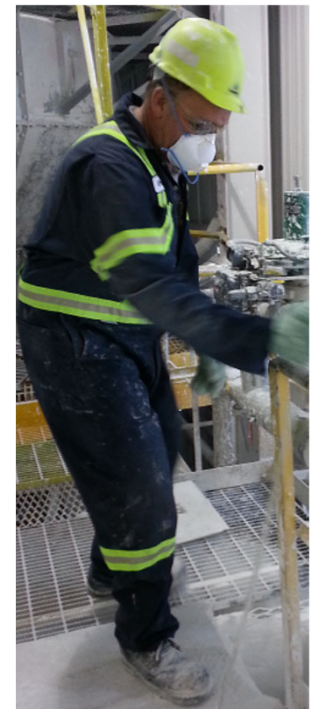
Lime products can be reactive in the presence of moisture, water and acids.

(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 reactions, chemical burns and/or irritation of the skin and mucus membranes.***

**Wear protective equipment that:**

- ✓ Reduces or eliminates skin exposure
- ✓ Covers hands
- ✓ Protects eyes
- ✓ Reduces inhalation potential when conditions warrant
- ✓ Accounts for individual skin sensitivity



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# Site Mandatory PPE

- ▶ **Mandatory ANZI Z87 Safety Glasses/ Eye Protection with side shields.**
- ▶ **Mandatory ANSI/ISEA Z89.1 Hard Hat**
- ▶ **Mandatory Class 1 of ANSI Z107 High Vis Clothing (on the outermost layer)**
- ▶ **Mandatory ASTM F2413 Steel Toed Shoes**



# Site Additional PPE

- ▶ Dust Mask in visibly dusty conditions



- ▶ Hearing Protection required in production area & posted areas

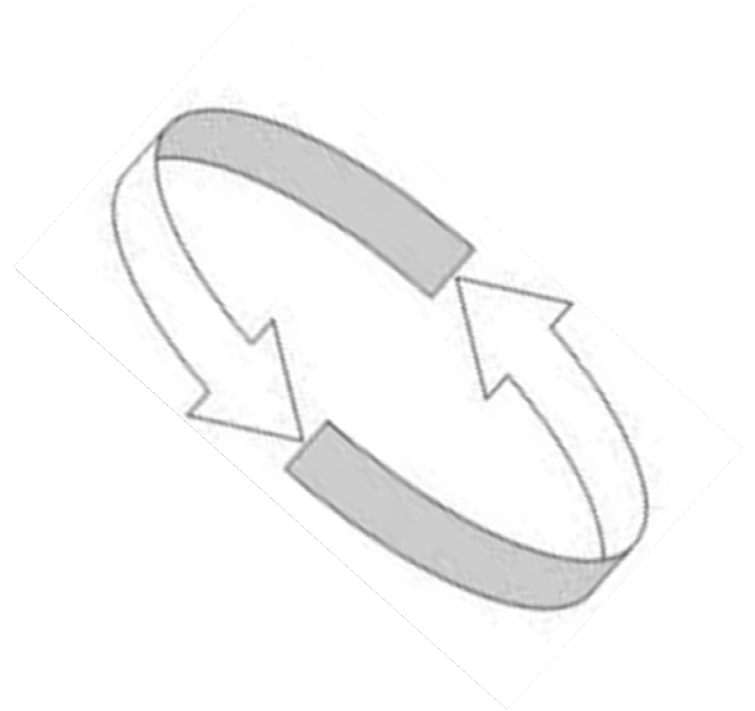


- ▶ Gloves as warranted/needed



# Site PPE

Hard hat may ONLY be worn backwards if approved in manufactures recommendations.



Use your PPE as it is  
designed.

**Tie up your boots.**  
Do not modify your PPE.

# Prohibited Items

- ▶ Dangling jewelry such as necklaces are not allowed on site. Remove dangling jewelry or tuck it into your shirt.
- Metal rings are not allowed to be worn while working. Remove metal rings before performing work. Silicone material rings are allowed.



**NO NECKLACE**



# Devices and Cell Phone Use

A green rectangular sign with the words "SAFETY" and "FIRST" in white, bold, sans-serif capital letters. "SAFETY" is on the top line and "FIRST" is on the bottom line.

**NO CELL PHONES  
WHILE WORKING**

Cell phone and other electronic devices are **prohibited** when:

- ▶ Working or performing tasks,
- ▶ Driving or operating equipment,
- When they can cause a harmful distraction

Cell phone use is **permissible** while on breaks, while not actively performing a task where distraction could be harmful, or in emergency circumstances:

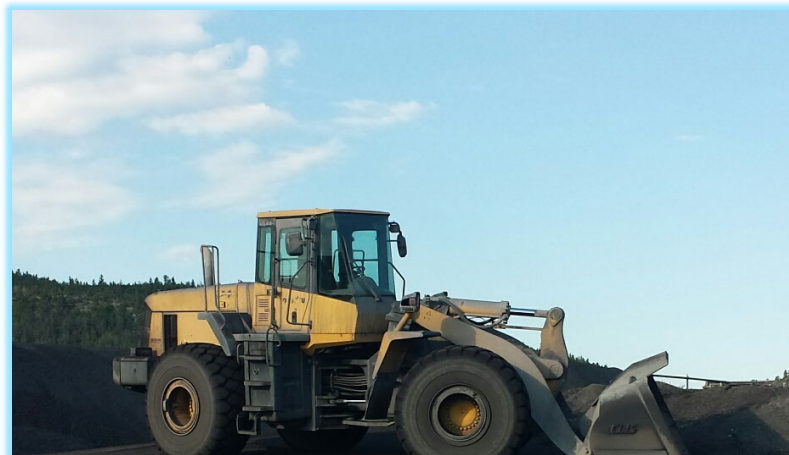
- ▶ In plant office or breakroom,
- ▶ In the kiln control room,
- ▶ In or around the employee parking lot,
- ▶ Maintenance breakroom and electricians office



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# Site Traffic Hazards

- ▶ There may be high volumes of traffic on this site.
- ▶ Traffic Hazards such as heavy equipment, large trucks, mobile equipment, light vehicles, and pedestrians are present.
- ▶ Make certain that other moving equipment/trucks/pedestrians see you.
- ▶ Pedestrians: give a wide berth and right of way to vehicles and equipment.
- ▶ Pedestrians should always walk along the edge of traffic areas and in building where mobile equipment may be in operation.
- ▶ Sound horn prior to vehicle movement and changing directions
- ▶ Make eye contact and exchange a wave!







**While traveling in IC Quarry drivers shall always obey traffic signs, immediately upon passing quarry breakroom traffic shall proceed to left hand travel.**



# Parking

- ▶ **Park in designated parking if possible.**
- ▶ **Do not interfere with traffic or emergency access at anytime.**
- ▶ **Unless parked in the employee parking area, all vehicles shall remain chocked while not in use.**
  - ▶ When parking on a grade chock and turn the wheels or tracks of the mobile equipment into a bank or rib.
- ▶ **Parking brakes must be set while vehicles are not in use**



# Speed Limit



- ▶ Plant and yard traffic speed limit is 7 mph



# Wildlife

There is an abundance of wildlife at the IC facility. This includes but is not limited to elk, deer, sheep, bears, mountain lions, and rattlesnakes. It is important to remember they are wild, and the following precautions should always be taken:

- ▶ Never approach the wildlife
- ▶ Never run
- ▶ Give them room and do NOT disrupt them
- ▶ If they approach you appear large, and back away slowly
- ▶ Never block the animal's route to escape





# Emergency Protocol

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

**Kiln operator is the incident commander until otherwise notified**

**A person is delegated to get AED if applicable**

**A person is delegated to meet the EMT at the IC entrance**

**On call or applicable supervisor is notified**

**Supervisor is to document the scene and who is on scene**

**Supervisor notifies the plant manager ASAP when appropriate**



# Emergency Response

Position	Name	Cell Phone Number	Secondary Contact Phone Number (Office)
Facility Manager	Paul Liner	253-722-4593	406-521-6008
Health, Safety, & Environmental	Steve Bugni	307-251-6728	406-521-6003
Quarry Supervisor	Mike Cartwright	406-980-1457	406-521-6005
Production Supervisor	Frank Sholey	406-980-0326	406-521-6002
Process Engineer	Macy Livesay	406-465-0119	406-521-6011
Maintenance Supervisor	Adam Brakefield	406-461-4857	406-521-6020
Plant Control Room	Incident Commander	406-266-5221	406-521-6012
MSHA Hotline	MSHA Reportable Events		1-800-746-1553

# Evacuation

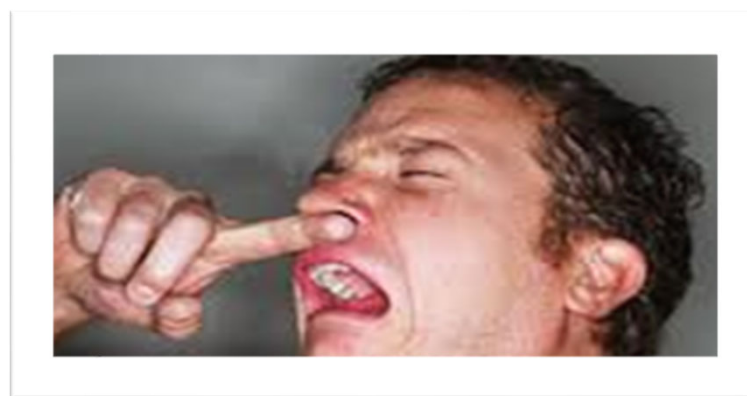
Upon constant siren from control room, employees, contractors, and plant visitors shall evacuate to the muster point located at the plant entrance to the east of the employee parking lot.



# 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:  
eyes, ears, mouth, sweaty skin**

# 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 20 min.**

**Mild inhalation – seek fresh air.**

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



**Seek Medical Attention if warranted.**

# First Aid and Eyewash Station Use

**AEDs are located in the Control Room, First Aid/Safety Room, Crusher Shack, Rail Yard, and Warehouse**



- ▶ **2 types of eye wash stations on site, plus eye wash bottles in various locations.**
- ▶ **All have a well marked activation door or pull tab.**
- ▶ **You MUST hold your eyes open and rinse for the full 20 min. Remove contacts when rinsing if possible**



# Fire Extinguisher Use Guidelines

A portable fire extinguisher may be utilized when:

- ▶ Ideally the user has training.
- ▶ The fire is small and contained.
- ▶ The fire can be clearly seen.
- ▶ The escape route is not/cannot be blocked by the fire.
- ▶ The worker is not likely to be overwhelmed by heat, smoke or toxic fumes.



# Fire Extinguisher Use Guidelines

- ▶ 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.



# Fire Extinguisher Use Guidelines

- ▶ Once a fire has been successfully extinguished:
- ▶ A fire watch must be established.
- ▶ A replacement extinguisher is attained.
- ▶ A supervisor must be notified
- ▶ An HSE incident investigation must occur & report must be filed.





# The Rail Yard



# Rail Yard Safety

## **BE ALERT**

- ▶ **LEFT HAND TRAFFIC WHEN ENTERING THE RAIL**
- ▶ **Watch for railcar movement!**
- ▶ **Listen for the horn.**
- ▶ **Never rely on others to protect you – WATCH FOR YOURSELF**
- ▶ **Be aware of tripping hazards – Ballast is uneven and ties and rails are slippery.**
- ▶ **Stay clear of the tracks whenever possible.**
- ▶ **Never cross under equipment.**
- ▶ **Never cross between cars.**



# Barricade Tape and Tags

A red rectangular tape with the word "DANGER" in large, bold, black capital letters.

Red Danger tape indicates immediate hazardous situation, which if not avoided, will result in death or serious injury. It is never permissible to cross red danger tape unless authorized to work on the job.

A yellow rectangular tape with the word "CAUTION" in large, bold, black capital letters.

Yellow Caution tape indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. It is permissible to cross yellow caution tape only after you have contacted person(s) working in the hazardous area and or assessed the area for any potential hazards.




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## Shall be completed:

- ▶ **Every group**
- ▶ **Every task**
- ▶ **Every condition change**

	<h1 style="margin: 0;">Contractor Permit to Work</h1>	Date: _____ Beginning Date: _____ Expiration Date: _____																																																										
Company: _____  Area/ Description of Work: _____	Name of Foreman: _____  Copy of Insurance Obtained <input type="checkbox"/> YES <input type="checkbox"/> NO																																																											
<b>A. Safe Haven Assembly Point</b> _____  <b>B. Atmosphere Monitoring Required</b> <span style="border: 1px solid black; padding: 2px;">Contractor Permit to Work</span>	<b>E. Tools, Materials, &amp; Equipment Required:</b>  _____ _____ _____																																																											
Comb. Gas/Flam Vapor Test:    Reading: _____ Hazardous/Toxic Gas Test:        Reading: _____ Oxygen Concentration:            Reading: _____	<b>F. Potential Hazards:</b>  _____ _____ _____																																																											
<b>C. Safety Checklist Requirements</b> (For use in conjunction with attached checklist)  <small>Check off and discuss all pertinent items on the checklist that apply to the scope of work being performed. Items checked "YES" shall be discussed with the work crew which is performing the work activity to ensure that they understand the safety requirements necessary to safely perform this task. Work crew members performing the task(s) must sign-off that they have received task specific training in the applicable box. (1)</small>																																																												
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This permit is valid only for the activity, date, and time specified. A copy of this permit shall be posted at the work site during the entire work activity. If the terms noted change, work must be stopped and a new permit must be issued. When work is complete, permit expires at the end of the work day return the permit to Graymont Management. Copies of all permits must be returned to the Safety Coordinator of filing. Attach all other applicable documentation.																																																												
Designee Approval: _____	Date: _____																																																											

Safety Requirements Checklist Reference Sheet			
Use this sheet as a reference to answer Safety Checklist on front page of permit (sections C and D).			
<b>ACCESS</b>	<b>HAZARDS</b>	<b>PERSONAL PROTECTIVE EQUIPMENT</b>	
_____ Ladder (condition, secured, placement)	_____ Chemical Burns	_____ And Suit	_____ Other Safety Footwear
_____ Scaffold (complete handrails,	_____ Flammable	_____ Ear Protection	_____ Proper Type Respirator
_____ footboards, safety ladders)	_____ Hygiene	_____ Face Shield/Bugging Goggles	_____ Rubber Boots
_____ Walkways (properly inspected)	_____ Inhalation	_____ Fire Retardant Clothing	_____ Safety Glasses
_____ Walkways	_____ Skin Contamination	_____ Fresh Air	_____ Safety Harness/Lanyard
	_____ Skin/Eyes	_____ Goggles	_____ Safety-Toe Shoes
		_____ Hardhat	_____ Sticker Suit
		_____ Other (List)	_____ Other (List)
<b>ELECTRICAL</b>	<b>HAZARDS (body)</b>	<b>OVERHEAD WORK</b>	<b>CHEMICALS TO BE USED</b>
_____ Disconnected (if required)	_____ Electrical Shock	_____ Baricades/Tags	
_____ Good Condition	_____ Fall Potential	_____ Fall Protection in Place	
_____ Lockout/Tagged (Try Start/Stop Switch)	_____ Flying Particles	_____ Gearing Secured	
_____ Properly Grounded (if GFCI)	_____ Housekeeping	_____ Handrail	
	_____ Pinch Points	_____ Hole Cover	
	_____ Sharp Objects	_____ Life Lines Properly Installed	
	_____ Slip/Trip (Cords, Pipe, etc.)	_____ Signs	
	_____ Thermal Burns		
<b>EMERGENCY DEPT. LOCATIONS</b>	<b>HAZARDS (environmental)</b>	<b>STAND-BY PERSON</b>	
_____ Fire Extinguishers located at	_____ Access/Grease	_____ Confined Space Entry (Hole Watch)	
_____ Fire Extinguishers located at	_____ Airborne Particulate (Fumes)	_____ Good Tools Condition	
_____ Safety Shower located at	_____ Heat Stress (ex/Co Burns)	_____ Fire Watch	
	_____ Materials	_____ Supplied Air Work (Bottle Watch)	
	_____ Noise	_____ Traffic / Rail Pattern	
	_____ Other Source		
	_____ Radiation From:		
	_____ Radioactivity		
<b>EQUIPMENT/LIFTING</b>	<b>PERMITS</b>	<b>TOOLS</b>	
_____ Backhoe / Loading Device	_____ All Conditions Met	_____ Current Inspection	
_____ Boom Truck	_____ Proper Permit Displayed	_____ Good Tools Condition	
_____ Chalmel	_____ Properly Signed	_____ Tool Use Instructions	
_____ Crane	_____ Signed at Joints		
_____ Forklift			
_____ Good Equipment Condition			
_____ Lashing Required			
_____ Load Charts			
_____ Manlift			
_____ Operator Certified/Licensed			
_____ Personnel Basket Permit			
_____ Position			
_____ Proper Rigs/ings			
<b>EXCAVATION</b>	<b>PROCESS/EQUIPMENT</b>	<b>WELDING</b>	
_____ Baricaded Property	_____ Blind List	_____ (Inspected/Neat by)	
_____ Competent Person on Site	_____ Blinds Installed and Tagged	_____ Carbon/ites	
_____ Daily Inspection (Documented)	_____ Equipment Cleaned	_____ Cylinder Caps in Place	
_____ Entry Permit Required	_____ HAZOP Summary	_____ Cylinders Secured	
_____ Escaped Ladder Provided	_____ Tags Hung	_____ Fire Blanket	
_____ Property Shored/Slotted	_____ Valves Banded in	_____ Fire Extinguishers	
_____ Soil Type/Documented		_____ Flashburns	
		_____ Goggles	
		_____ Shields	
		_____ Spark Containment	
		_____ Water Hose	

# Hot Work and Risk Assessments



**GRAYMONT Hot Work Risk Assessment**  
Risk Assessment only valid on date below

Name \_\_\_\_\_ Date \_\_\_\_\_

☐ Maintenance WO # \_\_\_\_\_

☐ Production Area/Unit # \_\_\_\_\_

☐ Contractor Contact # \_\_\_\_\_

Company Name \_\_\_\_\_

**Hot Work**

☐ Welding ☐ Grinding ☐ Soldering

☐ Cutting ☐ Burning ☐ Thawing

☐ Other \_\_\_\_\_

Can work be relocated to Designated Hot Work Area? Yes ☐ No ☐

If Yes, proceed to relocate work appropriately.

If No, continue with Risk Assessment.

Is proper fire suppression equipment available in the work area and in working order?

Yes ☐ No ☐

Have operations personnel been notified? Yes ☐ No ☐

Has area been properly barricaded to prevent others from being exposed to Hot Work risks? Yes ☐ No ☐

**In Case of Emergency Contact**

Name \_\_\_\_\_

Contact # \_\_\_\_\_

For questions concerning Hot Work requirements or this Assessment, refer to the Graymont Hot Work Safety Stand on MyGraymont.

Continue on reverse side

**GRAYMONT Hot Work Risk Assessment**

Dedicated Fire Watch is **REQUIRED** if any of the following applicable precautions cannot be checked off

**Precautions**

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.

All floor and/or wall openings, doorways, and windows are closed and/or covered to prevent sparks from contacting combustibles.

Floors swept clean of combustibles distance - **35 ft/11 m**.

Combustible floor surfaces for an adequate covered with damp sand or fire-resistant protective guard.

Combustibles/flammables moved away from other side of wall, ceiling, or roof.

Conveyors/ducts shutdown and/or precautions taken to prevent sparks from being transferred.

**Is Fire Watch required?** Yes ☐ No ☐

Fire Watch must be maintained for a minimum of **1 hour** after hot work has been completed.

Name of Fire Watch \_\_\_\_\_

Date \_\_\_\_\_ Time \_\_\_\_\_ AM PM

Complete the following once Fire Watch has ended

**Signature of Fire Watch** \_\_\_\_\_

Turn in completed Risk Assessment to supervisor (attach to maintenance work order if applicable)

Risk assessments are required when cutting, burning, or welding outside of the designated hot work areas.

# LOTO

## LOTO PROCEDURE

1. Complete project review with IC management
2. Identify type and magnitude of energy & the appropriate control.  
Begin shutdown process, responsible Graymont employee to note all information on the systems LOTOTO board.
3. Isolate the energy
  - a. Locate the breakers, valve, switches, local disconnect etc..
  - b. Isolate the energy by flipping the switch, close the valve, remove key from ignition, disconnect battery etc...
  - c. Ensure the HMI or operator controls are also shut off
4. Each worker must secure the devices with a personal lock and tag, no contractor locks shall be applied unless accompanied by Graymont employee lock
  - a. Use a hasp as required
  - b. The hasp and locks must be affixed so and activation is prevented and the hasp/lock cannot be easily removed.
5. All potential, residual and stored energy will be relieved, disconnected, restrained, and otherwise rendered safe.
6. The first authorized employee to apply a lockout device must verify the energy isolation ('bump test', 'tryout'). The tryout must be done in communication between the authorized employee and the department operator.
  - a. All control power devices must be placed back in the off position after positive verification of energy control is completed
7. When the servicing/ maintenance is complete, all personal locks are removed by the authorized employee who applied them. Systems LOTOTO board is erased by applicable responsible Graymont employee.



# Group LOTO

GROUP LOTO PROCEDURE As per LOTO procedure except:

1. Orderly shutdown is overseen by the department operator and task lead or designate.
2. Apply Group Lock and Tags to energy isolation devices, and responsible Graymont employee shall note on the systems LOTOTO board.
3. The task lead, department operator or designate along with other authorized employee(s) perform the tryout everyone's behalf. It is documented on the Lock ApplicationLog.
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. ALL INDIVIDUALS STILL NEED A PERSONAL LOCK ON THE LOCK BOX.
6. 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.
7. Remove Group Locks from energy isolation devices. Responsible Graymont employee shall erase the systems LOTOTO board.



Group Lock Box



# LOTO

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



**The Operator of each applicable system will serve as the responsible Graymont employee for contractor LOTO applications. In the event an operator is not present a member of IC management will serve as backup.**

# Electric Equipment and Devices

## Safe Work Procedures



Workers may only use control devices (reset buttons, stop/starts, on/off, local disconnects ) that are located on the outside of electrical equipment.

**ONLY** qualified workers may engage in work on energized or de energized electrical equipment. This includes the opening of panels, control boxes or other electrical devices.

Portable Electric Equipment must be:

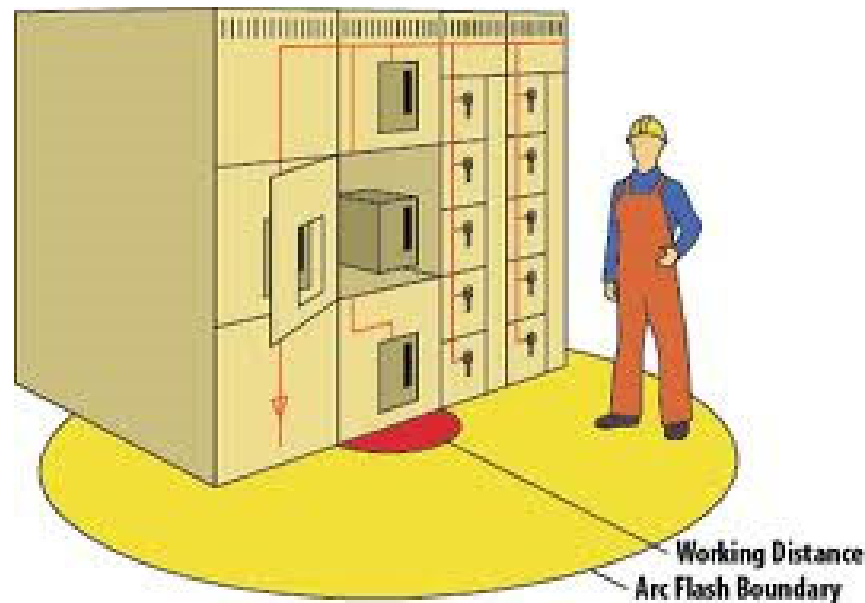
- ▶ Visually inspected before use
- ▶ Suitable for industrial application
- ▶ Meet all applicable regulations and codes
- ▶ Utilized in an appropriate environment
- ▶ Utilized and stored in accordance with the manufactures recommendation

# Arc Flash Boundaries

Unqualified personnel shall never cross an arc flash protection boundary when work is underway on unguarded and energized electrical equipment.

Arc Flash boundaries shall be red taped or other wise marked and tagged to prevent entry by unauthorized personal.

Only personnel with Arc Flash training may enter the arc flash boundary. Entry is then done in accordance with the Arc Flash label.



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# Electrical Safe Work Procedures



Indian Creek, Graymont has **Electrical Safe Work Procedures** for authorized work on de-energized and energized electrical equipment.

Please contact the **HSE** department or your site contact.



# IC Confined Space Maps

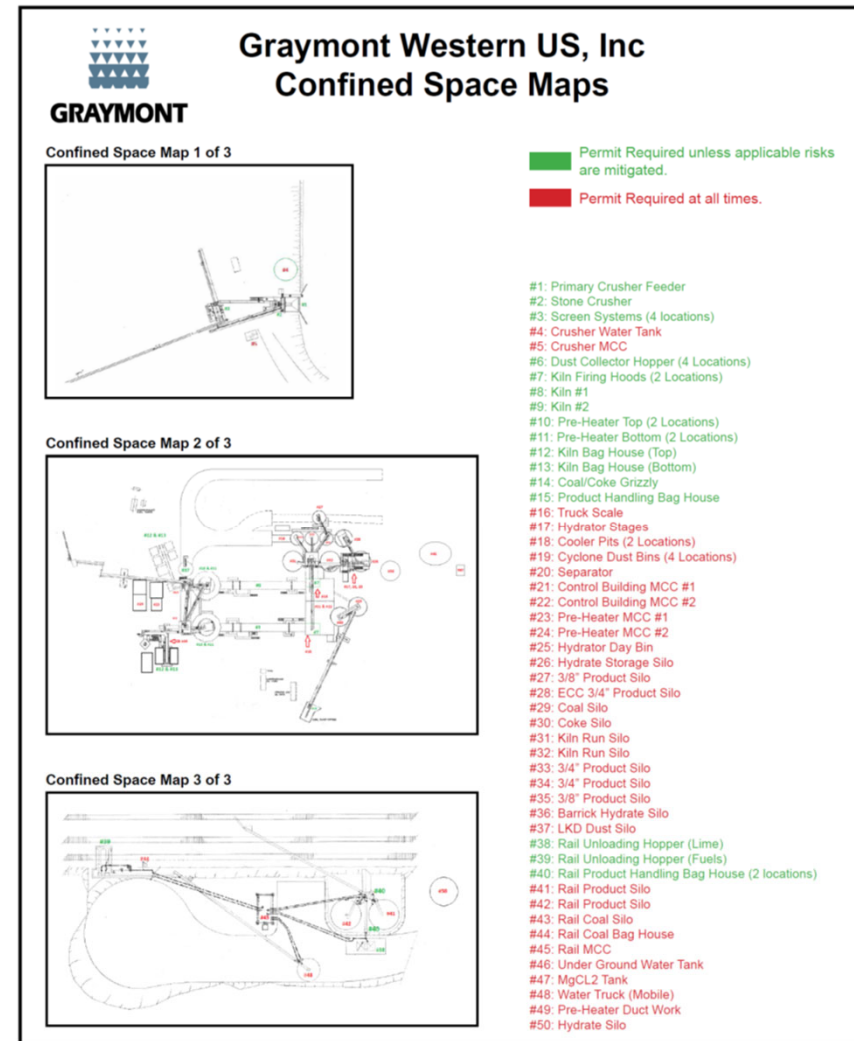
Reference site specific  
Confined Space Map prior to  
any Confined Space Entry




Permit required unless  
applicable risks are  
mitigated



Permit required at all  
times



# Confined Space Permit and Entry Record



## Confined Space Entry

Date: \_\_\_\_\_  
 Entry Duration: \_\_\_\_\_

Confined Space to be Entered:						Entry Team Leader: _____	
Purpose/ Description of Work to be Performed:						(Print)	
<b>B. Atmosphere Monitoring Required</b>						<b>E. Communication Methods/Media:</b>	
Oxygen Concentration: (19.5-23.5) Reading: _____ Comb. Gas/Flam Vapor Test: (5%-10%) Reading: _____ Hazardous/Toxic Gas Test: _____ Reading: _____ Types of Hazardous Gas Tested For (List All): _____ Periodic Atmosphere Testing Required? <input type="checkbox"/> YES <input type="checkbox"/> NO    Continuous Atmosphere Testing Required? <input type="checkbox"/> YES <input type="checkbox"/> NO	Pre-Entry	Test 2	Test 3	Test 4	Test 5	Verbal: _____ Hand/Sign: _____ Portable Radio/Channel: _____	
<b>C. Safety Checklist Requirements (For use in conjunction with attached checklist)</b> Check off and discuss all pertinent items on the checklist that apply to the scope of work being performed. Items checked "YES" shall be discussed with the work crew which is performing the work activity to ensure that they understand the safety requirements necessary to safely perform this task. Work crew members performing the task(s) must sign-off that they have received task specific training in the applicable box. (1)						<b>F. Potential Hazards:</b>	
Access <input type="checkbox"/> YES <input type="checkbox"/> NO Electrical <input type="checkbox"/> YES <input type="checkbox"/> NO Equipment/Lifting <input type="checkbox"/> YES <input type="checkbox"/> NO Excavation <input type="checkbox"/> YES <input type="checkbox"/> NO Hazards (Body) <input type="checkbox"/> YES <input type="checkbox"/> NO Hazards (Env) <input type="checkbox"/> YES <input type="checkbox"/> NO Overhead Work <input type="checkbox"/> YES <input type="checkbox"/> NO	Current 5000-23 <input type="checkbox"/> YES <input type="checkbox"/> NO PPE <input type="checkbox"/> YES <input type="checkbox"/> NO Process/Equipment <input type="checkbox"/> YES <input type="checkbox"/> NO Task Training <input type="checkbox"/> YES <input type="checkbox"/> NO Tools <input type="checkbox"/> YES <input type="checkbox"/> NO Welding/Burning <input type="checkbox"/> YES <input type="checkbox"/> NO Site Specific training <input type="checkbox"/> YES <input type="checkbox"/> NO	<b>G. Action Taken to Eliminate Hazards:</b>					
<b>D. Precautionary Permits/Measures Required:</b>						<b>H. Other Special Precautions</b>	
Hot Work <input type="checkbox"/> YES <input type="checkbox"/> NO Confined Space <input type="checkbox"/> YES <input type="checkbox"/> NO Excavation <input type="checkbox"/> YES <input type="checkbox"/> NO Fall Protection <input type="checkbox"/> YES <input type="checkbox"/> NO Lockout/Tagout/TO <input type="checkbox"/> YES <input type="checkbox"/> NO Line Breaking <input type="checkbox"/> YES <input type="checkbox"/> NO Crane <input type="checkbox"/> YES <input type="checkbox"/> NO Power Tools <input type="checkbox"/> YES <input type="checkbox"/> NO	OTHER (Specify): _____ _____ _____ _____ _____						
<b>I. Authorized Entrants :</b>						Name: (Print & Initial)	
						Entrance Time	Exit Time

This permit is valid only for the activity, date, and time specified. A copy of this permit shall be posted at the work site during the entire work activity. If the terms noted change, work must be stopped and a new permit must be issued. When work is complete, permit expires at the end of the work day return the permit to Graymont Management. Copies of all permits must be returned to the Safety Coordinator of filing. Attach all other applicable documentation.

Entry Team Leader Signature: \_\_\_\_\_
Date: \_\_\_\_\_
Permit Canceled By: \_\_\_\_\_

# Kiln – Confined Space Entry



## Mitigation of Confined Space

1. Both ends of kiln shall be opened for adequate egress
2. Ensure the kiln is at a maximum of 160 degrees, prior to entrance
3. Graymont responsible employee and contractor shall LOTO exhaustor, coal mill, stone feeder F-14, and/or F-214, pumps P-20 and P-21, and/or P-220 and P-221. Responsible employee is to ensure equipment is de-energized and noted on the applicable LOTO board.
4. Ensure the operator has either the ID or stack fan running. If it is not possible to start either of the mentioned fans a portable exhaust fan must be placed at the end of the kiln.



# Confined Space Permit Emergency

**Confined space attendant will prevent all entry!**

The attendant will notify the kiln operator who shall call 911.

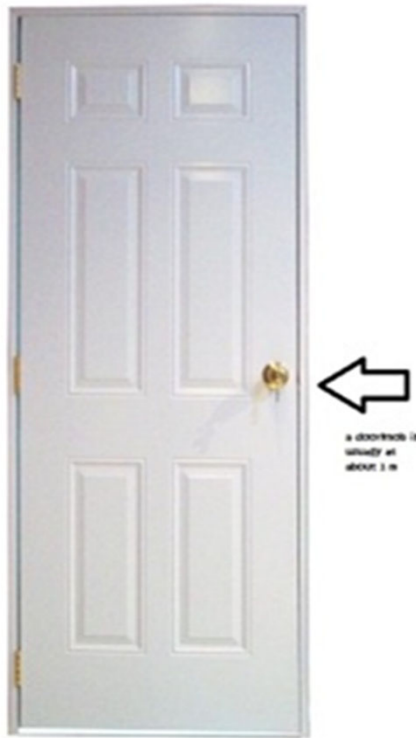
Kiln operator to refer to IC Emergency Response Guidelines.





# Working At Heights

Fall protection must be worn when working at heights above **FOUR FEET**, no exceptions!



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

**OR** anytime an unusual risk of falling when working above ground level.

# Fall Hazard Elimination

**Eliminate Working at Heights  
whenever possible!**

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



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# Aerial Devices



While working in aerial lifts fall protection is required. If walking from the aerial lift to and from a working surface double leg lanyards shall be used.

# 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
    - All ladders must be inspected daily



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





# Scaffold/Work Platforms

- ▶ Must be constructed, inspected daily, 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 and expired tag or no tag.
- ▶ If there are not 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 as only when all other controls have been eliminated**

**NO WAIST BELTS!**

# 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 5000lbs.
- ▶ An SRL is recommended.
- ▶ Suspension trauma straps recommended



# Fall Arrest Emergency

# 911

In the event of a fall and/or suspended worker that is unable to perform an extraction unassisted, notify the kiln operator, kiln operator shall call 911.

It is vitally important to specify that it is a rescue from height in the call and the ***exact location*** as time is of the essence to combat the onset of ***suspension trauma***.



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# Mobile Equipment Use

- ▶ Mobile Equipment may only be used by trained operators. JSA's and training available - contact IC management before using any equipment.
- ▶ Pre-operation inspections shall be completed prior to use.
- ▶ Inspection Books are located in all Mobile Equipment, in the event the book is exhausted, contact IC management for replacement.
- ▶ Mobile Equipment is available for contractor use a case by case basis, and must be approved by IC management.



# Working Alone Procedure – Review

1. Worker to complete a Contractor Permit to Work prior to working alone.
2. Shall identify and notify the kiln operator or contractor team leader at start of task, and every two hours until completed (include your location)
3. Worker will carry AND utilize a charged active two-way radio  
(Contractors may use a cell phone, office workers a readily accessible phone)
4. Workers will respond when being paged.  
IF the area is not conducive to radio communication, the worker shall advise the contact.
5. Check in with the contact every 2 hours unless
  - Working at Heights  
Communicate with contact every 20 min.  
This includes but is not limited to: Rail car loading
  - Confined Space  
The entrant /attendant (contact) must communicate every 20 min or less
6. Failure to check in - then the contact will initiate check in
7. If check in fails - then the contact will send someone to investigate
8. Failure to locate - the IC Emergency Response Plan will be activated



# Housekeeping Expectations

- ▶ Clean up and removal of all debris and litter is imperative.
- ▶ For disposal related questions contact your site representative.
- ▶ Leaving items such as welding rods, bolts, nuts or metal in an area can cause equipment and process issues as the items frequently end up in our system via our in house vacuum or clean up systems, or can create trip or drop hazards.
- ▶ Litter such as water bottles waste must be disposed of in garbage receptacles.



# HSE Reporting

Help us to continue on our journey to World Class.

## ► Report every:

- Near miss
- Good catch
- Property incident (Vehicle collisions, equipment damage)
- Environmental incident (spills, dust etc...)
- First aid, medical or injury incidents.

- **Report all incidents before leaving site for the day**

**We accept reports via email, phone and in person.**



# Smile you're on Camera

**Please be Advised**

**For quality assurance purposes cameras are in use on the Indian Creek Plant Site**



**Graymont property cannot be removed without authorization from the appropriate department.**

# Orientation Quiz

## Orientation Quiz Link

Click on the link above

Complete the Quiz

Hit Submit – It will display “Thanks”

NO Certificate or Email feature is available at this time.

Once you arrive onsite, report to the office (during regular office hours)  
to receive your hard hat sticker.

Individuals must complete the orientation each calendar year.

