



SJRPP CONTRACTOR SAFETY TRAINING

SJRPP Safety Objective

St. Johns River Power Park Management has the ultimate responsibility for safety at SJRPP. We have made a commitment to provide a safe working environment for every SJRPP employee and to assist contractors by making the necessary professional guidelines available for the safety of each contract employee.



Safety Objective Contract Employee Responsibility

Personal safety is the responsibility of Each and Every Employee.

- **Every employee** must make a concerted effort to eliminate all unsafe and at-risk conditions.
- **Every employee** must promote and display safe work practices.
- **Every employee** is expected to follow the rules stated in Safety Manual, unless the contractor's safety procedures exceed those of SJRPP.

This Presentation is a supplement to the Contractor's Safety Manual.

**This training is an overview
and not meant as a complete
safety manual, additional
information can be found in
the Contractor's Safety Manual
and by:**

**Referencing SJRPP Safety
Procedures**

or by:

**Contacting your SJRPP
Contract Administrator**



CONTRACTOR'S SAFETY MANUAL

SAFETY FIRST

SAFETY LAST

SAFETY ALWAYS

Site Specific Emergency Response

- Emergency Notification – (904) 665-8760
- Do not call 911. All emergency calls must go through the Control Room. Call (904) 665-8760 or 665-8723. Be specific on the location and what medical attention is required.
- Report all incidents, no matter how minor to your SJRPP Project/Contract Administrator immediately.
- JEA Medical Facility - 1st Aid to all - 665-7484 or 665-7483
- After hours- 558-5811
- Emergency Alert
 - Fire or other alerts- Siren
 - Evacuation- Yelping
 - All Clear – Pulsing

Safety and Security Issues: Ron Wood woodjr@jea.com 912-665-7307 Tammy Hatfield hatftd@jea.com 665-8887

Roy Samples sampRW@jea.com 665-8733

Environmental Issues: Bruce Kofler koflBW@jea.com 665-7886

Contact your SJRPP Contract Administrator/Project Administrator for assistance on any issue

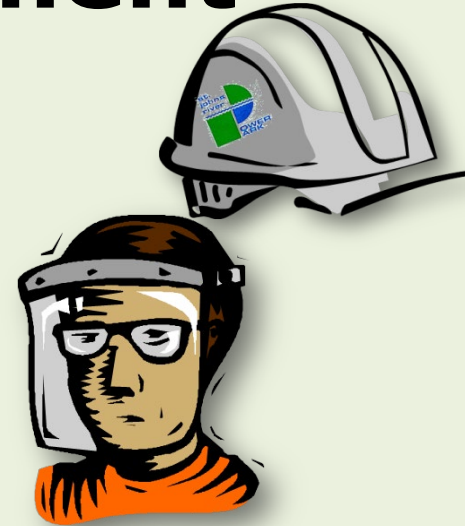
Dress Code



- **All contract employees shall wear clothing that is suitable for the particular type of work that is being performed.**
- **At no time shall shirts without sleeves or short pants be permitted in the plant proper.**
- **Loose, dangling, or flapping clothing shall not be worn around rotating or moving equipment/tools.**
- **Shirts with long-sleeves shall be worn when employees are exposed to or near energized conductors or grounding electrical equipment or in areas that expose the employee to burns or abrasions or under such conditions as the person in charge shall direct.**
- **Jewelry – Jewelry shall not be worn while performing any task where it might get caught under or snagged by a projecting object. Rings, wrist watches, and metal watch bands shall not be worn while working on or near batteries and or energized equipment or lines.**

Personal Protective Equipment

It is the responsibility of the Contractor to ensure the proper equipment is furnished and worn in accordance with the manufacturer's requirements. PPE shall be worn by all contract employees, at all times, in all areas of SJRPP where there is an exposure to hazards. The exceptions are: areas such as offices and control rooms.



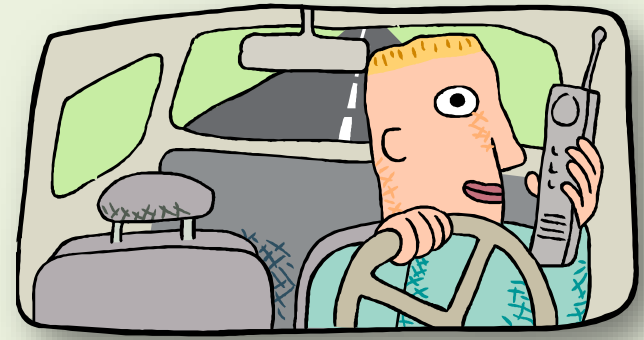
- **Hard Hats** – Approved hard hats. The bill of the helmet shall be worn forward at all times, except when performing work that does not allow for this.
- **Eye Protection** includes side shield – Approved eye protection shall meet or exceed the ANSI requirements .
- **Face Protection** – Face shields shall be worn while *chipping, grinding, & abrading*, when there is a risk of an employee being contacted in the face by flying debris, *over-spray, chemical splash*, and any similar hazard. The face shield shall be worn in conjunction with eye protection and not in lieu of eye protection.

Personal Protective Equipment



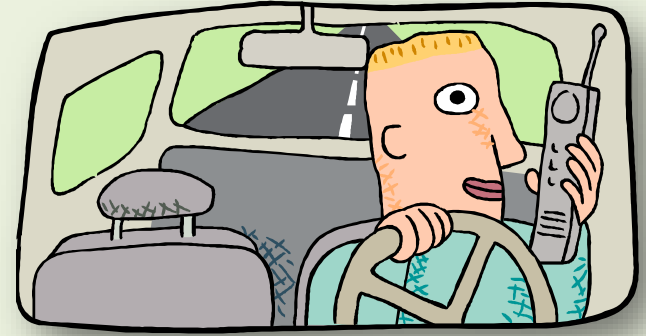
- **Safety Shoes—** All areas require safety toe shoes that meet current ANSI standards. Foot wear such as steel toed sneakers, open tied shoes, etc. are not acceptable.
- **Respiratory Protection –Site Specific.** Should you require respiratory protection, contact your Contract Administrator for the proper use and application. A respiratory fit test is required.
- **Hearing Protection –** Approved hearing protection shall be worn by all contract employees, at all times, in all areas of SJRPP; where there is the possibility of hearing damage.
- **Gloves –** Task specific, Ask your SJRPP contractor if you are unsure in certain areas.

Motor Vehicle Operation



- Only contract employees with a valid driver's license shall operate a motor vehicle on SJRPP property.
- Cell phones or electronic devices cannot be used while operating any moving (company or personal) vehicle inside SJRPP property including cars, trucks, golf carts, etc.
- The speed limit on SJRPP property is 15 mph, unless otherwise designated and it is strictly enforced. Speed limit around buildings, walkways and parking lots are 5 mph.

Motor Vehicle Operation



- No vehicle shall be left running unattended. If a vehicle needs to be parked on an incline, the emergency brakes shall be engaged.
- No contract employees shall ride on running boards, fenders, or tailgate of any vehicle. Personnel may ride in the bed of a pick-up truck provided the employee's body is contained within the confines of the bed.
- No contract employees shall jump on or off of a moving vehicle..

Heavy Equipment Operation



- Only authorized personnel shall operate SJRPP heavy mobile equipment.
- No personnel other than the operator shall ride any type of heavy mobile equipment.
- Operators shall ensure all safety inspections, pre-operational and warning system checks are performed prior to and will notify proper personnel if equipment is not safe to operate.
- When employees are working with mobile cranes, only approved hand signals will be recognized by the operator. Only one person shall signal the operator; however, the operator shall obey an emergency 'stop' signal given by any employee.

Heavy Equipment Operation



- During the refueling or recharging of heavy mobile equipment, employee shall conform to the manufacturer's specification.
- Heavy mobile equipment shall not be left running unattended, nor shall it be parked on an incline.
- Cell phones or electronic devices cannot be used while operating any water wagon, pay loaders, bulldozer, or other heavy equipment – no exceptions. Radios and phones may be monitored.
- Heavy equipment shall not be within 15 feet of any power line.

HAND AND PORTABLE TOOLS



- **Contract employees shall use the proper tool for the job and as it was designed by the manufacturer.**
- **All hand and portable tools shall be inspected and in good repair prior to and during its use. Defective tools shall be repaired or replaced.**
- **GFI (Ground Fault Interrupter) devices shall be used on all portable tools on portable electric tools. *Do not assume outlets are protected.***
- **All portable electric tools should be UL (Underwriter Laboratories) approved and/or manufactured as double insulated. For tools that do not meet these requirements, the tool's plug must have a three-prong plug connected to the metal casing of the tool.**

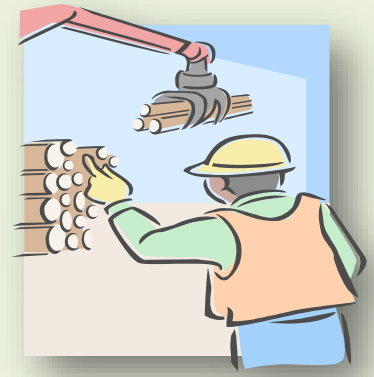
Hazardous Chemicals MSDS



- Chemicals brought on site must have an MSDS submitted to the Manager of Environmental Compliance.
- In the event of an accidental spill or contamination, contact the Shift Manager at 665-8760 and cordon off the area.
- All incidents/accidents no matter how minor shall be reported to the SJRPP Supervisor/Contract Administrator.
- Chemicals shall be kept in approved containers and **PROMINENTLY LABELED** as to the contents.

Contract Administrators can access the MSDS files from any computer station at SJRPP. Contractors should take the time to gather the required MSDS's prior to working with any chemical. Keep a copy of the MSDS at the work location and know what to do before an emergency. Employees have the right to know of the hazards associated with any chemical on site.

Rigging and Lifting



- **Anyone engaged in rigging and lifting shall be fully qualified.**
- **Only approved hand signals shall be used during activities.**
- **All equipment shall be inspected prior to its use.**
- **All rigging shall be performed on fully functional, weight tested hoists, cranes, bridles, and slings.**
- **Hooks with distortion of ten percent (10%) shall not be used.**
- **All hooks will have a safety latch or the hook must be moused.**
- **Know the weight of the lift, rigging shall meet or exceed the weight capacity. All spreader/equalizer beams shall have SJRPP engineering approval, marked with load capacity, and inspected prior to use. KNOW THE WEIGHT.**
- **A tagline shall be used on lifts that will be raised over four (4) feet.**
- **Barricade the work area.**

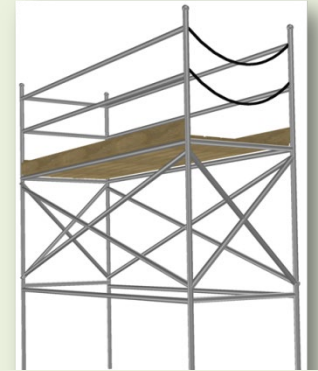
Ladders



- Only Fiberglass ladders are approved, No Aluminum and or wooden ladders.
- All ladders shall be inspected prior to use and meet or exceed regulatory standards.
- Ladders shall not be painted as to disguise or prevent the proper inspection of this equipment. Only identifying marks apply.
- Ladders shall not normally be used in doorways.
- When working from a ladder, the ladder must be secured.
- All extension ladders shall extend over the top of the highest point by thirty-six (36) inches and be tied off at the top and bottom. Use the one-to-four rule, i.e. one foot out for every four feet in height.
- At no time shall any person stand on the top three steps or rungs of any ladder.

TAKE TWO TO MOVE A LADDER, NEVER OVER REACH

Scaffolding



- All scaffolding shall be inspected by a Competent Person prior to its use. **NO EXCEPTIONS.**
- All scaffolding over four (4) feet in height shall have handrails at the appropriate height and the structure shall have toe boards.
- All scaffolding shall be securely attached to a fixed structure where applicable.
- Hoisting or lifting equipment shall not be attached or used on any scaffolding system
- The scaffold frame, system members or cross braces are not designed to be climbed.
- **Use fall protection** when required.

Hot Work

Welding, Cutting, Grinding and Burning

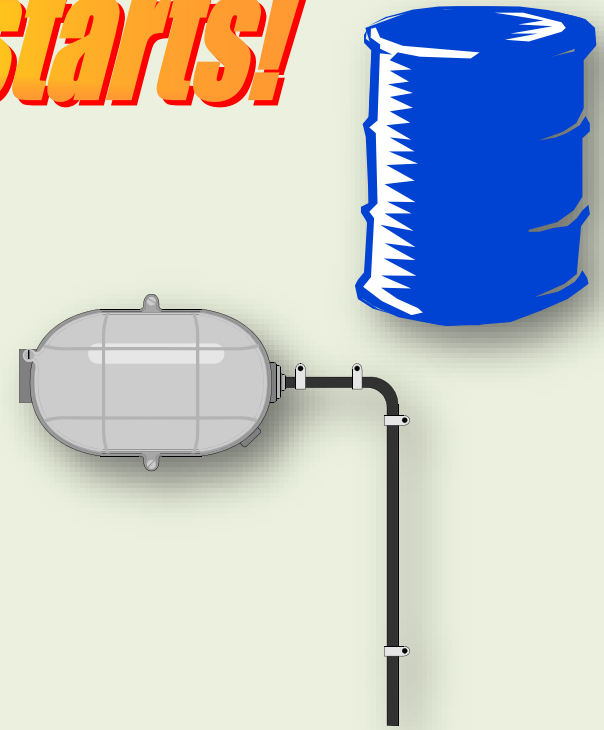


- Hot Work ,Any activity that can create:
 - *Sparks!, Heat!, Flames!*
- All Hot Work requires a SJRPP Hot Work Permit .
- All Hot Work shall be performed by properly qualified personnel.
- Proper PPE is required. NO EXCEPTIONS.
- Signs shall be posted stating what hot work is being performed.
- Always ensure that there are no hazardous chemicals, fuels, and or material it the area prior to starting.
- A fire-watch and fire extinguisher are required for Hot Work activities. Contractors shall furnish fire extinguishers.

Before the hot work starts!

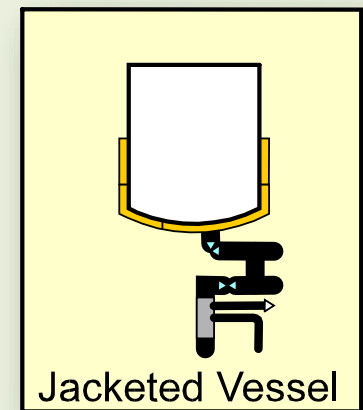
Hot Work Tank and Pipe Safety Preparation

Includes: *Vessels, Tanks,
Drums, Pipes, Other
Containers*



**All Vessels shall be purged (cleaned)
free of:**

- ☐ **Flammable and Combustible**
- ☐ **Liquids & Solids**
- ☐ **Gases & Dusts**



Compressed Gas Cylinders



- **Cylinders shall not be dropped, jarred, or exposed to extreme temperatures.**
- **Compressed air exceeding thirty (30) psig shall not be used for cleaning or brought into close contact with any portion of a person's body.**
- **All Cylinders, whether full or empty, shall be stored in a well ventilated area with limited exposure to adverse conditions, in an upright position, chained, capped or otherwise secured.**
- **All cylinders shall be secured while being transported.**
- **Oxygen and acetylene cylinders shall not be stored together, except when placed, and ready for use on a bottle cart. Cylinders must be stored and maintained at a minimum distance of twenty (20) feet apart.**

Electrical Safety



- **5,000 volt insulating rubber gloves are required on all electrical circuits with nominal voltage rating of 750 volts or less. Twenty-thousand (20,000) volt insulating gloves are required for use on electrical circuits with nominal voltage ratings of 6,900 volts to 14,000 volts or less.**
- **Insulating gloves shall always be protected with approved leather protectors when they are in use.**
- **Insulating gloves and blankets shall be field inspected prior to their use.**
- **Insulating blankets and gloves with cracks, holes, snags, blisters, or other defects shall be removed from service and tagged.**

Clearance Tagging (LOCK OUT/TAG OUT)



- **SJRPP Production Departments are responsible for the operation or securing of all electrical, electronic, or mechanical equipment.**
- **All contract personnel are required to follow the provisions of the (SF-021) SJRPP Standard Operating Station Safety Clearance and Custody Tagging Procedure.**
- **No contract personnel may change the position of any valve, switch, breaker, or other control devices.**
- **No other clearance procedure is authorized.**
- **All equipment which offers the potential for personal injury or equipment damage must be cleared for maintenance prior to the commencement of any activities involving that equipment.**



Control of Hazardous Energy SJRPP (LOCK OUT/TAG OUT)

Work Permits are required that specify the:

- **Equipment and process to be tagged**
- **Procedures to follow to secure the equipment and process**
- **People doing the work**

All clearances shall be administered by conforming to SJRPP's Safety Procedure, SF-021, "SJRPP Standard Operating Station Safety Clearance, and Custody Tagging Procedure".

Fire Protection



- **Open flames shall not be permitted in areas where dangerous gases may be present (e.g. oil storage facilities, near any hydrogen line or tank, compressed gas storage buildings, battery rooms, or any similar area).**
- **Combustible material such as oil-soaked rags, solvent waste, empty flammable liquid containers, and other combustibles shall be deposited in red steel waste containers located in various areas.**

Should a fire occur, a call shall be made to the Shift Manager:

- **Dial 665-8760 on any cellular phone**
- **8760 SJRPP phone**
- **Channel B-16 on any SJRPP two-way radio**

Smoking



SJRPP conforms to "Florida Clean Indoor Air Act" (Florida State Statute 386.200). Anyone found in violation of this procedure is subject to disciplinary action and/or dismissal from SJRPP site.

- **Smoking is not allowed in any SJRPP building, stairway, elevator, within 20 feet of a doorway and HVAC/ventilation intake or vehicle, except golf carts.**
- **Smoking is not allowed near flammable products.**
- **Smoking is not allowed near fuel tanks or while fueling any mobile equipment.**

Flammable Liquids



- Gasoline, benzene, naphtha, lacquer thinner, etc. shall not be used as cleaning solvents.
- Highly flammable liquids such as those listed above shall be kept in ANSI/UL approved and properly labeled containers, red in color with yellow letters.
- When transferring flammable liquids from one container to another, positive grounding shall be required to eliminate static electricity.
- Leaks detected in any flammable liquid container shall be immediately reported to the Shift Manager or other competent authority.
- Portable tanks containing flammable shall be visibly marked with the appropriate sign indicating the hazard and warning.

Confined Space



- **Confined spaces may be permit entry only (PR) OR non-permit spaces. Permit shall be posted at entry point(s).**
- **SJRPP Contractor administrators will issue their permit via proper protocol.**
- **No one is permitted to enter a confined space unless authorized by one of the following: SJRPP Shift Manager, AQCS Operations Supervisor, or Bulk Materials Operations Supervisor.**
- **No one is allowed to enter a confined space that has not been trained in confined space entry.**
- **Air monitoring is required prior to entry.**
- **An outside attendant trained in confined space procedures with adequate rescue equipment must be on the scene. The attendant must be in visual and communication range of the personnel inside the confined space.**

Confined Space



- Attendant shall not enter confined space unless relieved by competent attendant even in an emergency.
- Rescue equipment - readily available .
- Fall Protection/Fall Arrest use and care training required for entrant & attendant.

Excavating and Trenching



- **Before starting any excavation, all contractors shall contact their SJRPP contract Administrator and seek the required dig permit.**
- **Before the excavation is started, determine if there are any underground utilities in the area that can be damaged.**
- **All excavations shall meet the OSHA required standard at a minimum.**
- **Excavations or trenching measuring four (4) feet in depth or more requires a Excavation Competent Person.**
- **The area shall be always barricaded and traffic shall be detoured, if needed.**

Barricading



- The Appropriate type of barricade shall be erected, properly identified and maintained as to guard against falls or hazardous conditions.
- All barricades **shall** have a **SJRPP information tag attached.**
- The information tag will **identify the person** responsible for the barricade.

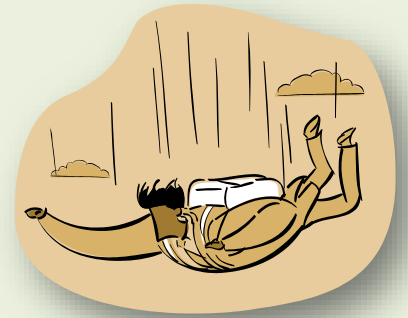
Elevators



- **Elevators are not to be overloaded; abide by the weight limits.**
- **Do not block doors.**
- **Do not prop door open, preventing normal operations.**

**PERSONELL ELEVATORS ARE NOT TO BE
USED AS FREIGHT ELEVATORS**

Fall Protection



- Fall protection may consist of a handrail system, covering of holes, harnesses, toe rails and safety nets.
- At no time shall any employee expose themselves to a fall greater than four (4) feet without the utilization of fall protection. Remember a fall could be from an elevated area to the ground or to an area below ground level such as a pit.
- Daily inspections of the harness, lifelines, ties and anchorage points are required. Anchorage points – required to be rated to hold 5,000 lbs.
- Please Don't forget to tie off.

One strike & You're out!

Project Specific

Inorganic Arsenic:

- Do not enter areas posted or barricaded as containing arsenic unless you are assigned and authorized to work in that area.
- Training is required for Regulated and Threshold areas.



Project Specific

Chlorine and Ammonia

- ☐ Chlorine and ammonia are on SJRPP site.
- Do not enter areas posted or barricaded unless you are assigned and authorized to work in that area.
- Training is required for Regulated and Threshold areas.





Project Specific

- ***Rail Road safety: Protecting workers and equipment from being struck by moving rail cars, locomotives, etc.***
 - Contractor employees are not allowed to position themselves, other individuals or equipment in close proximity of a rail track, Minimum distance **must be at least four feet away from side.**
 - No personnel shall cross between rail cars or rail equipment; use alternate route for safe passage over rails.
 - Termination or permanent removal from the SJRPP work site will result from any violation.



Project Specific Radiation :

- **X-rays will be taken from time to time during the outage.**
- **Certain pieces of equipment have radioactive properties.**
- **Please observe the signs and do not enter an area posted or handle equipment that is labeled radiation.**



Project Specific

Blasting

- *Blasting work will commence in the early stages of the outage.*
- *Do not enter barricaded areas that are designated as **Blasting in Progress**, unless specifically authorized to do so.*
- ***Do not use radios in the area** and stay out. Certain SJRPP radios are approved.*
- ***No other electronic devices allowed.***



SJRPP CONTRACTOR SECURITY

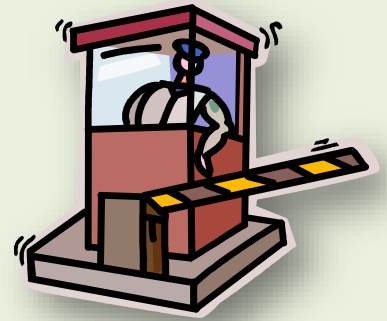
SJRPP Security Objective

St. Johns River Power Park Management has the ultimate responsibility for security at SJRPP. We are a federally regulated facility bound by numerous governmental regulations. While we have made a strong commitment to provide a secure working environment for every SJRPP employee and our visitors, we depend upon the observations of all. Report any suspicious items or activity immediately to the SJRPP Contract Administrator.

If you feel a serious threat, you can call the Shift Supervisor, be brief and concise state the issue, your location and request that he call 911.

SITE ACCESS

MAIN GATE



- **Branded contractor vehicles that require site access will be issued a parking pass at the main gate or given a hanging decal for each vehicle by their SJRPP contract administrator.**
- **All other vehicles will be sent to lot 2 for parking.**
- **All vehicles are subject to search.**
- **No weapons or alcohol are allow to be brought on site.**
- **All individuals within the vehicles will need to be on an access list and have a valid government photo ID.**

SITE ACCESS



LOT 2

- **ALL individuals must be on an approved access list to enter through the turnstiles.**
- **All individuals must have valid government issued photo ID and the appropriate PPE to enter the site.**
- **All carry in items are searched both entering and leaving.**
- **No weapons or alcohol are allow to be brought on site.**
- **Parking Lot speed is 5 mph or less.**

SITE ACCESS

LOT 2



PPE Requirements

- ***REMEMBER :***
 - * **HARD HATS, BRIM FORWARD**
 - **SAFETY GLASSES & SIDE SHIELDS**
 - * **SAFETY TOED SHOES**



Property Removal



- **All contract employees bringing or removing tools and equipment to or from SJRPP site shall have a property custody pass for said equipment signed by the SJRPP Contract Administrator and Security Department.**
- **Unmarked tools and equipment not listed on a SJRPP Property Custody Pass are considered pilferage and may be confiscated until ownership is resolved.**



Security

- **Contract employees shall follow the directives of any security personnel at all times in matters relating to traffic control, plant access and physical security.**
- **Any deviation shall be reported by the security personnel to SJRPP Security and or the Contract Administrator.**



TAKE TWO

- ***Work Smart***
- ***Wear your PPE***
- ***Follow safe job procedures***
- ***Be alert - Report near misses, unsafe conditions and Suspicious activities***
- ***Stop unsafe acts (You could save a life today)***
- ***Help Yourself and your co-workers to go out the gate the same way they came in***



***SAFETY FIRST
SAFETY LAST
SAFETY
ALWAYS***