

➤ **Disclaimer**

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Yard & Gate – Work Area Safety

- ❑ When entering an area where equipment is operating, speak with the Groundman first.
- ❑ Walking or standing on top of a jersey wall is prohibited.
- ❑ When working IN or NEAR vehicle traffic, employees on foot or in a JLG aerial lift **must** be protected with traffic cones, physical barriers, or a traffic attendant.



Discussion Question

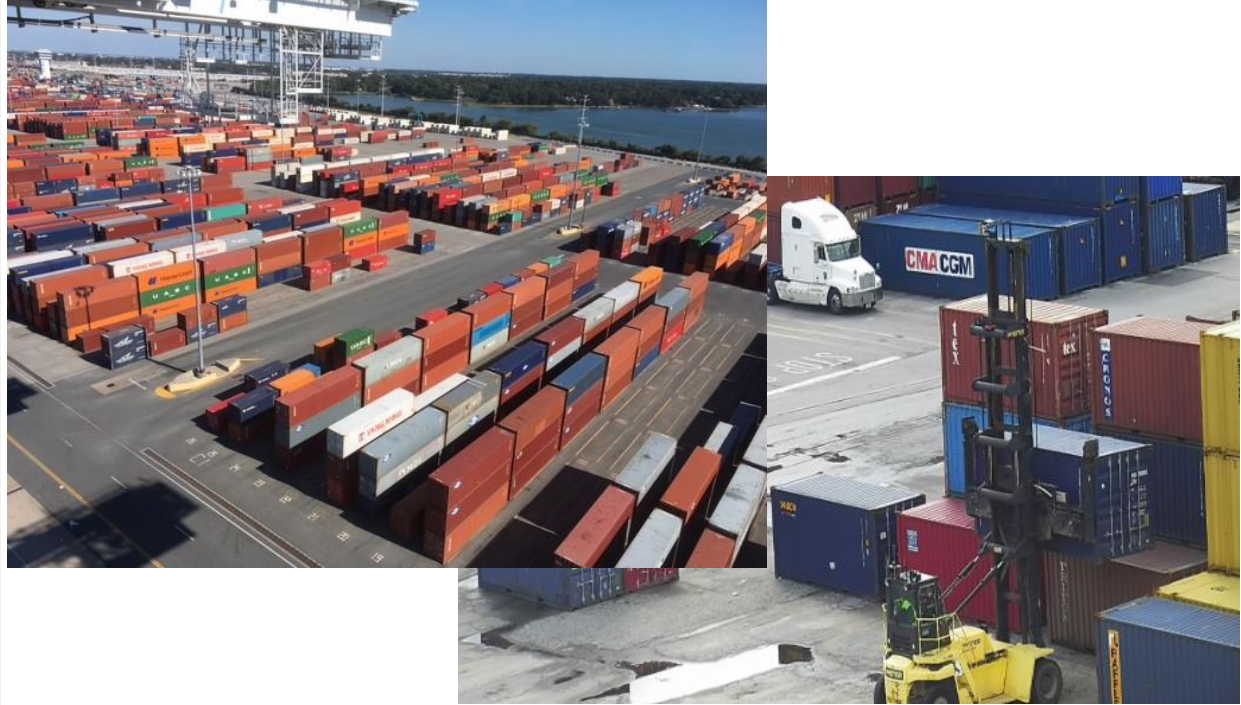
Who MUST be protected with traffic cones, physical barriers, or a traffic attendant?

Print Briefer Name/Date: _____

Print name of one attendee: _____ 2

Yard & Gate – Stacking Containers

- ❑ When containers are stacked, it is extremely important to arrange them so that their weights are distributed vertically, through the corner posts, down through the floor of the container.
- ❑ Stack each corner on top of the corner below.
- ❑ Do not stack 20' containers on top of 40' containers, as the structural supports will not align.
- ❑ When stacking 40' containers on top of 45' containers, each end of the 40' container must rest squarely on a corner casting below.



Discussion Question

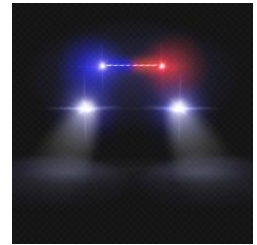
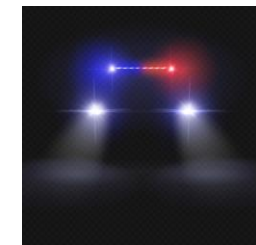
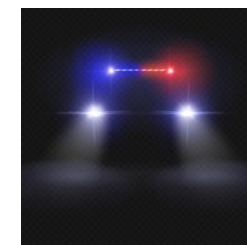
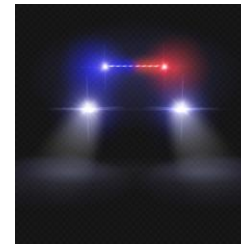
How must corner posts align when containers are stacked?

Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – OTR Drivers Light Interference

- ❑ OTR drivers truck and chassis lights may interfere with ROS RMG operators vision.
- ❑ Turn off rear-facing lights and blinking chassis running lights before being serviced by the RMG, as they may shine into the RMG cameras.
- ❑ After the RMG work has been completed, and prior to departing the stacks, ensure all truck lights are on.



Discussion Question

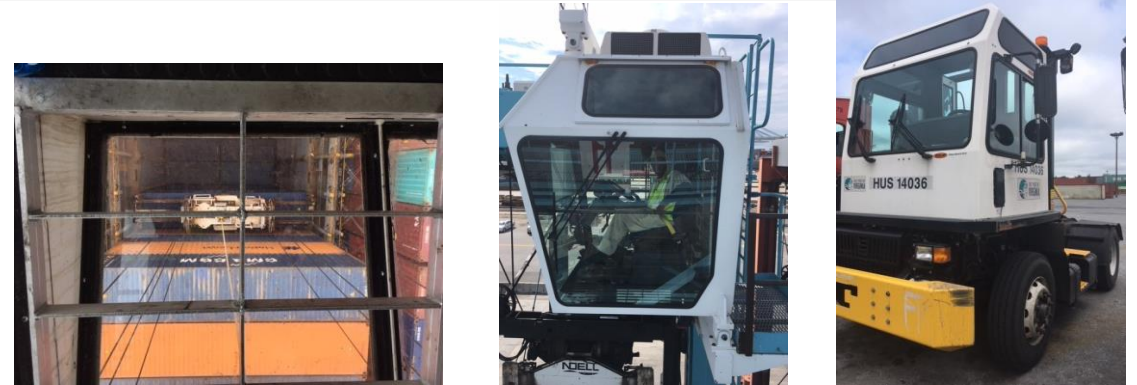
Which lights can interfere with an ROS RMG operators vision?

Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – Clear Visibility

- ☐ The number one priority for any equipment operator is to visually clear any and all obstacles.
- ☐ To do this requires clear windows. If the windows are dirty or fogged over, the operator must clean or defrost the windows.
- ☐ If unsure, ask maintenance for the proper procedure.



Discussion Question

If the windows are dirty, who can you call for assistance?

Print Briefer Name/Date: _____

Print name of one attendee: _____

General – Reach-Stacker/Top-Loader/Side-Loader Pre-Shift Inspection

Pre-Shift Inspection Check List should include:

- ☐ Ensure there are no leaks and that the tires and lifting belts/chains are in good condition.
- ☐ Ensure that the following items are in good working condition: seatbelt, horn, brakes, wipers, and lights. Also raise the bar and look at the rotation and condition of the lifting belts and chains.
- ☐ Ensure there is no pre-existing damage.
- ☐ Report any issues to your supervisor.

Discussion Question

What should be done if a problem is found during a Pre-Shift inspection?



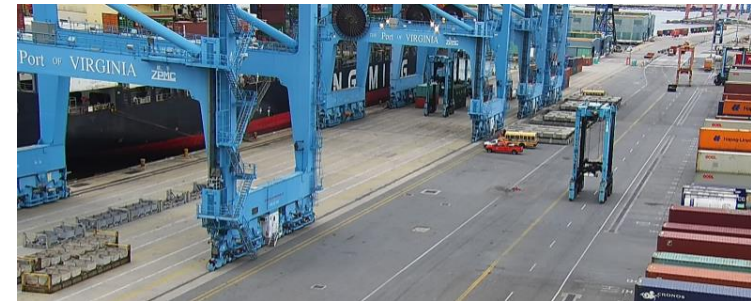
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Yard & Gate - Terminal Traffic Safety

Traffic accidents occur when you lose your safety focus and become a distracted driver. Maintain constant awareness of the following:

- ☐ Rail crossings
- ☐ RTG lanes
- ☐ Turning areas
- ☐ Pedestrian crossings
- ☐ Stop signs
- ☐ Road conditions
- ☐ Blind corners
- ☐ Driving under the crane
- ☐ Vehicle traffic in the yard
- ☐ Signalmen



Discussion Question

Where are some traffic areas that require particular attention?

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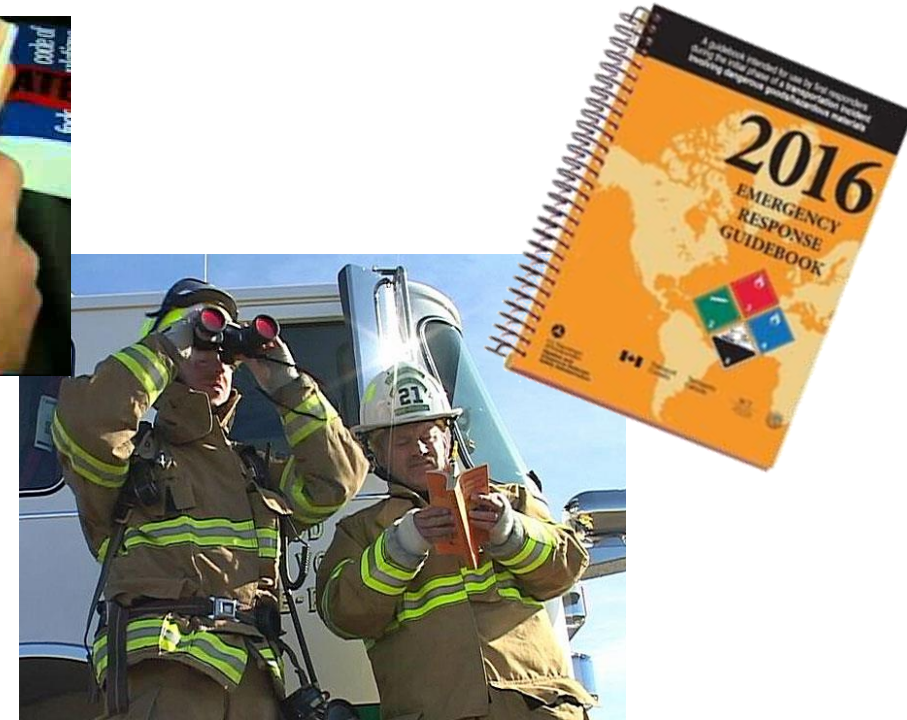
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Yard & Gate – DOT Emergency Response Guidebook

The Emergency Response Guidebook helps on-scene individuals identify hazardous materials. It is organized into 5 separate components; 4 colored bordered sections, and non-bordered white pages.

The 4 color bordered sections are:

- ☐ **Yellow** – Listing commodities in ascending numerical order by their ID number/UN number.
- ☐ **Blue** – Listing commodities in alphabetical order.
- ☐ **Orange** – The pages direct response actions for a given commodity.
- ☐ **Green** – This section includes special considerations for toxic inhalation hazards.



Discussion Question

What are the 4 colored sections in the ERG?

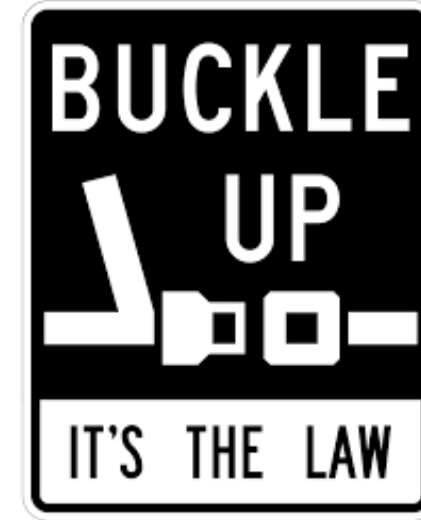
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Yard & Gate – Driving Policy

- ☐ The speed limit on terminals is 20 MPH, unless posted otherwise.
- ☐ Seatbelts are mandatory when MOVING.
- ☐ Headlight use is required by all MOVING vehicles between sunset and sunrise, except while in line under a crane/RTG so as to not blind the ground crew.

Discussion Question
When is seatbelt use mandatory?



Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – Forklift Labeling

- ❑ As the forklift operator, check the data tag for the maximum lift capacity.
- ❑ Control knobs must be clearly marked for easy identification of operational use.
- ❑ Know your equipment, and if you have questions, please contact the Instructor or AOM prior to operations.



Discussion Question

Where can you determine the rated capacity of a fork lift?

WARNING IMPROPER OPERATION OR MAINTENANCE
COULD RESULT IN INJURY OR DEATH

MODEL SERIAL No. 3FM000000
TYPE LPS TRUCK WT. 8,650 lbs
CAPACITY OF STANDARD TRUCK WITH SIMPLEX MAST
AND FORKS: 5,000
MAXIMUM HEIGHT of 130 IN. RATED CAPACITY WITH
OPTIONAL MAST AND/OR ATTACHMENT LISTED BELOW.

MAST: VERTICAL	A	B	FORKS ONLY	ATTACH
	in	in	lbs	lbs
24in	156	24		4,500
A				
B				

ATCHMODEL Sideshifter
MEETS DESIGN SPECS ANSI B14.1

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Print name of one attendee: _____

Yard & Gate - GHS Placarding

The Globally Harmonized System (GHS) is an international system that the United Nations created for the unified classification and labeling of chemicals.

- ❑ Pictograms are used to identify hazardous products and are commonly grouped by chemical/physical risk, health risk, or environmental risk.
- ❑ Manufacturers information, precautionary/first aid statements, and hazard statements are additional elements to the placards.

Hydraulic Oil



WARNING

Golden brown or green colored liquid. When used for its intended purposes, this material is not classified as hazardous.

PREVENTION

Wear protective gloves, clothing and eye protection. Excessive exposure may result in eye, skin, or respiratory irritation. High-pressure injection under skin may cause serious damage.

RESPONSE

If inhaled: Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use

mouth-to-mouth resuscitation.

If on skin: Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

If in eyes: Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion: First aid is normally not required. Seek medical attention if discomfort occurs. Use water fog foam dry chemical or carbon dioxide (CO₂) to extinguish flames.



GHS01 Explosive



GHS04 Compressed Gas



GHS07 Harmful



GHS02 Flammable



GHS05 Corrosive



GHS08 Health Hazard



GHS03 Oxidizing



GHS06 Toxic



GHS09 Environmental Hazard

Discussion Question

What information can be found on a GHS placard?

Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – HAZMAT Identification

- ❑ Placards relate information about the HAZMAT class of a chemical inside a container.
- ❑ Employers use hazard labels to alert employees of potential hazards of materials.
- ❑ Hazmat labels help carriers determine stowage and segregation onboard trucks and vessels.
- ❑ Emergency responders use hazard labels for accident clean-up and potential evacuations.



Discussion Question

What information can be determined from a hazardous placard?

Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – High Winds

- ❑ If wind gusts exceed the operational limits, the General Operations Manager, a designated representative, Maintenance Manager, or senior maintenance representative, is responsible to ensure that operations cease.
- ❑ When the order is given to cease operations, equipment operators will remain in the machine and **away from any stacked containers** until 10 minutes pass without a gust above the limits. If winds persist in being out of limits or are forecast to remain out of limits, direct operators to come inside.
- ❑ Refer to the Response Guide for adverse weather operating parameters:

www.portofvirginia.com/pdfs/HealthSafety/POV_Response_Guide.pdf



- Cease JLG Operations at >25 mph.
- Cease Kalmar Side Loader Stacking Over 2-High > 25 mph.
- Cease Hyster Side Loader Stacking 5-High > 45 mph.
- Cease Top Loader Stacking Over 2-High > 30 mph.
- Cease Rubber Tire Gantry Operations at >45 mph.
- Cease Straddle Carrier operations at >50 mph.
- Cease Ship-to-Shore Cranes operations at >50 mph OR if the operator cannot safely land a container.

Discussion Question

What is the wind limit for operating a straddle carrier?

Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – Hustler / UTR Operations

Unbalanced loads, improper backing techniques, and distracted driving lead to major incidents.

- ❑ When there is an indication of an unbalanced or leaning load OR any time that the stability of a load is in question, **stop immediately** and ask a supervisor.
- ❑ Supervisors will remove unbalanced loads with a reach stacker and place them on a more stable platform such as a Low-Boy, MAFI, or cassette.
- ❑ When hauling a loaded reefer or OOG load, raise the legs, lower the 5th wheel, and unlock the chassis pins. Taking the risk without lowering the load is when most incidents occur.



Discussion Question

What will supervisors do once an unbalanced load has been identified?

Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – Motor Carrier Pedestrian Protection

- ❑ Motor carrier operators may not loiter outside of their truck while waiting to back into a lane.
- ❑ Motor carrier operators must remain in the booth during loading/unloading operations.
- ❑ At PMT, while waiting in line for an RTG, motor carriers must remain in the cab.
- ❑ During GENSET mounting, motor carrier operators must remain by the sign that says “Drivers must stand here please.”

Discussion Question: Savannah and New York just had motor carrier fatalities in the past two years. Is it a good idea that we have rules that limit exposure?



Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – Know Your Equipment

- ❑ Know your equipment.
- ❑ If uncertain about an operating function such as speed of the bar, visual cues, or general sounds, ask a POV certified instructor or maintenance.

Discussion Question

Who can you ask if you are uncertain about an operating function?

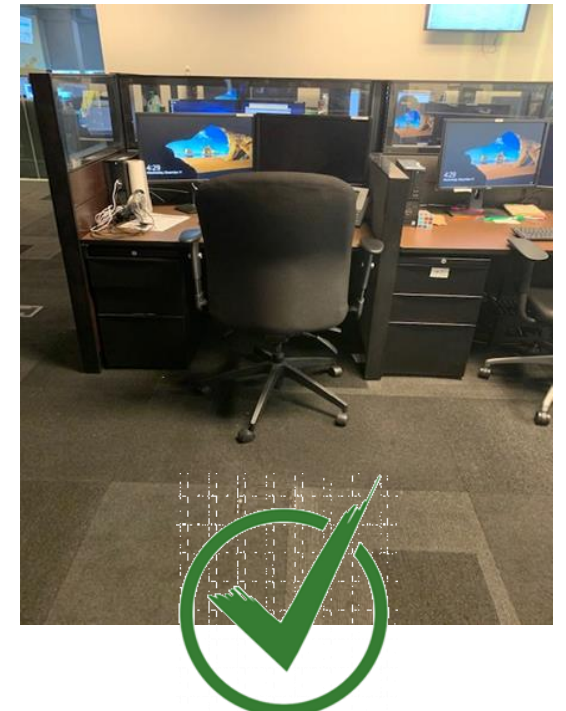
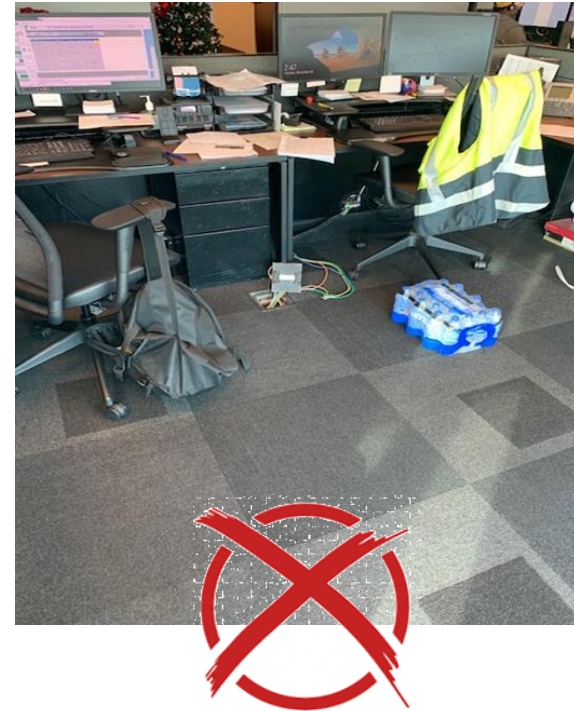


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Yard & Gate – Office Environment Hazards

- ❑ Closely monitor under and around your desk for potential loose articles. Items such as book bags, purses, cords, and other items may be left unattended and cause trip hazards.
- ❑ Ensure electronic wiring is properly concealed and they do not pose a tripping hazard.
- ❑ Floor outlet closures need to be securely fastened when not in use.
- ❑ Report any exposed or damaged wiring to the Department AOM immediately and do not use.



Discussion Question

What are potential items that could cause someone to trip when left around a desk?

Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – Visual Clearance in Equipment

- ❑ To compensate for blind zones, constant clearing is critical. Using a continuous forward and back rocking motion is a good technique.
- ❑ Visual illusions are real. Sun glare and shadows can impact the operator's ability to safely land a container. Utilize sunglasses or the blinds anytime in doubt, to ensure a safe and accurate landing.

Discussion Question

What can you use if the sun is impacting your visibility?



Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – Parking in NIT Stacks

- ☐ When parking near container stacks, the vehicle will be parked within the safety lines by the light pole OR on the end of the stack perpendicular to the containers.
- ☐ Use flashers or a beacon.
- ☐ The radio will be turned off and the windows lowered.
- ☐ Checkers may also park pickup trucks by the safety lines on the light poles.

Discussion Question

What is the proper way to park a vehicle in the stacks at NIT?



Print Briefer Name/Date: _____

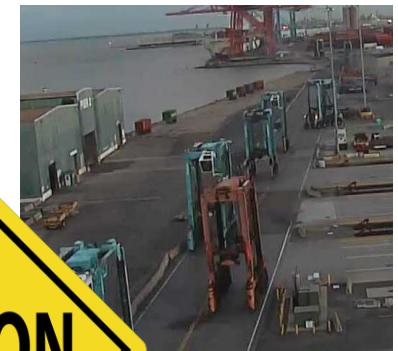
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Yard & Gate – Passing Vehicles

- ❑ It is prohibited for any vehicle or equipment operator to attempt to pass a MOVING vehicle on Port of Virginia property, unless it is on a road that is marked to permit passing such as Railroad Ave at NIT, the Main Truck Blvd at VIG, or Seaboard Ave at PMT.
- ❑ Driving or walking within 25 feet behind motor carriers or equipment that are moving in reverse, is prohibited.

Discussion Question

Where and when is it prohibited to pass a moving vehicle or equipment?



Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate - Pedestrian Safety

Pedestrians are at constant risk when on a marine terminal.

- ☐ Pedestrians must wear an ANSI-2 vest, safety shoes, and hardhats where required.
- ☐ Pedestrians shall walk in approved, marked pedestrian areas.
- ☐ Look both ways before stepping out from a container stack or any area where you have limited visibility.
- ☐ Be aware of drivers' blind spots and stay out of them.
- ☐ Vehicle operators shall be mindful of pedestrians that may be in the travel lane.

Discussion Question

What is the proper PPE that must be worn on POV terminals?



**ALWAYS
MAKE EYE
CONTACT**



Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate - PPCY Speed Humps

To control the speed of vehicles passing through the center lane at the PPCY, four speed humps have been installed.

- ☐ Speed humps are painted with white directional arrows.
- ☐ Slow down and transit at a reduced speed when crossing speed humps.
- ☐ Speed limit is 10mph throughout the entire PPCY yard.



Discussion Question

What are used to help slow the traffic in the center lanes?

Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – Reach Stacker / Top Loader / Side Loader Pre-Inspection

- ☐ Complete an exterior inspection before use.
- ☐ Ensure there are no leaks and that the tires and lifting belts/chains are in good condition.
- ☐ If these items are not working, inform maintenance and do not accept the equipment until the safety item is corrected.

Discussion Question

When must you complete an exterior inspection?

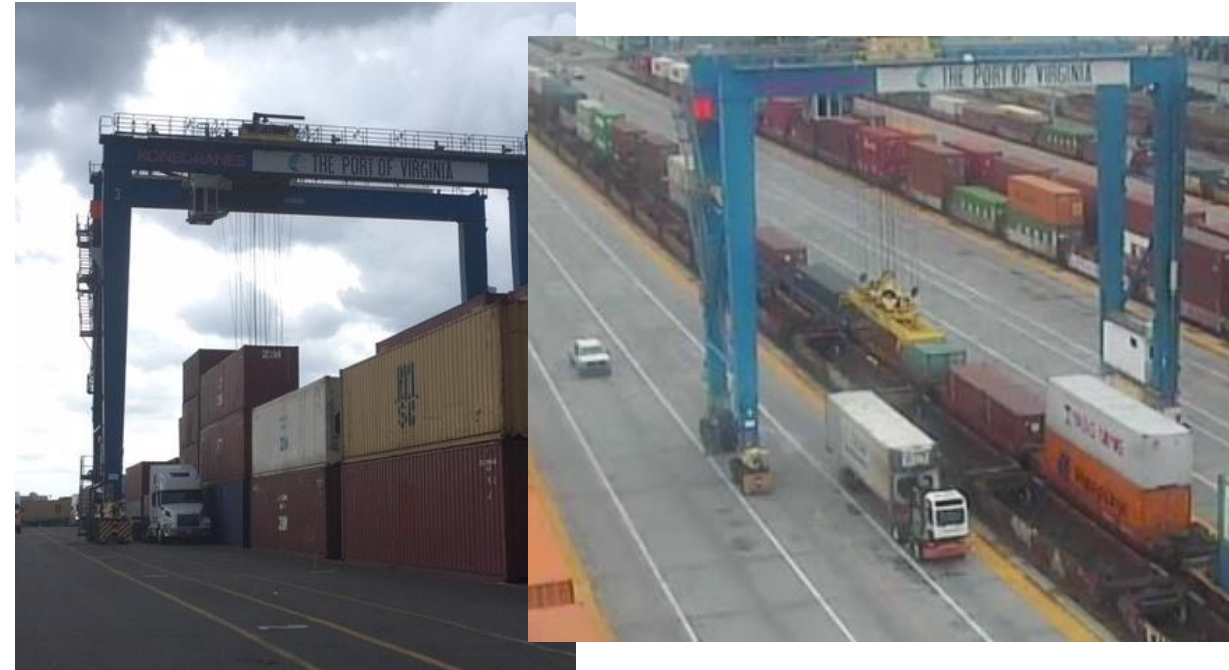


Print Briefer Name/Date: _____

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Yard & Gate – RTG Inspections

- ☐ Inspect all machines before use. Ensure there is no damage or leaks and that the following items are in good working condition: seatbelt, horn, wipers, all lights, and tires.
- ☐ If these items are not working, inform maintenance and do not accept the equipment until the safety item is corrected.
- ☐ Windows must be clean and free of frost, condensation, etc. Also, please notify maintenance of any cracked windows. Wipers are not required unless it is actively raining.



Discussion Question

What items must you check prior to operating an RTG?

Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate - Safely Stacking Empty Containers

- ❑ Empty container stacks can easily be toppled in 35 knots of wind or by light contact with machinery.
- ❑ It is critical to prevent individual container stacks from growing higher than 2 containers above the surrounding stacks. “Chimney stacks” have severely reduced stability.
- ❑ It is important that the corner castings of stacked containers be evenly aligned to maximize the contact area between containers.
- ❑ “Stair-step” containers whenever stacking near a vehicle access lane. Start with 1 or 2 high stacks next to the road with a maximum of three high behind that, then 4, etc.

Discussion Question

Why do we stair-step empty containers?



Chimney Stacks are extremely vulnerable to high winds or bumps by working equipment. “Groom” the stacks by evening the pile.



An example of “stair-stepping” next to a roadway. In this case, empties have been blocked together for long term storage.

Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – Spreader Bar Safety

- ☐ Do not bring a container or empty spreader bar over the cab of any vehicle.
- ☐ The bar can never be too high. Ensure the bar and container can clear any obstacle.
- ☐ The hustler may not proceed under an operational empty spreader bar or a spreader bar with a load. A hustler may proceed under an empty spreader bar that is secured for maintenance.

Discussion Question

When is the only time a hustler can proceed underneath a spreader bar?



Print Briefer Name/Date: _____

Print name of one attendee: _____

Yard & Gate – Straddle Carrier/Shuttle Truck Rack Pre-Departure Process

- ☐ Prior to departing the Shuttle Truck/Straddle Carrier rack, check the direction of the tires to ensure that the Shuttle Truck/Straddle Carrier will not impact the rack.
- ☐ Accomplish a 360 degree visual check to ensure it is clear to proceed.
- ☐ Operators are ultimately responsible for clearance at all times.
- ☐ If the gate on the Shuttle Truck/Straddle Carrier catwalk is beating the glass door, please notify maintenance immediately. This can cause the glass to shatter or crack.



Discussion Question

Who is ultimately responsible for clearance at all times?

Print Briefer Name/Date: _____

Print name of one attendee: _____