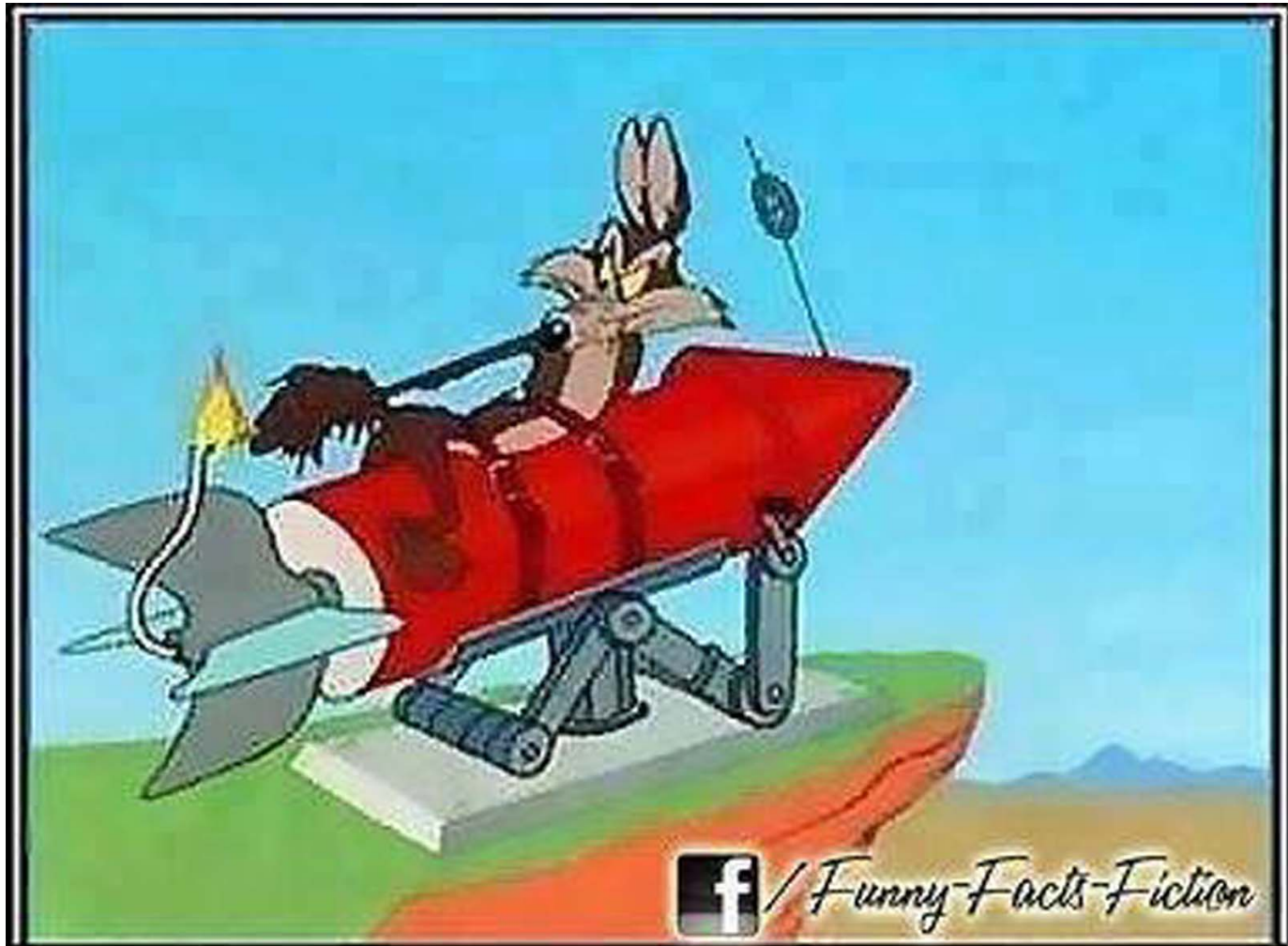


When Did the Change Happen?



WHEN I WAS A KID
YOU DIDN'T HAVE TO SAY "DON'T TRY THIS AT HOME!"

Landfill Safety & Behavior

Mark A Welch
Global Landfill Products
& Application Specialist
Caterpillar Inc.

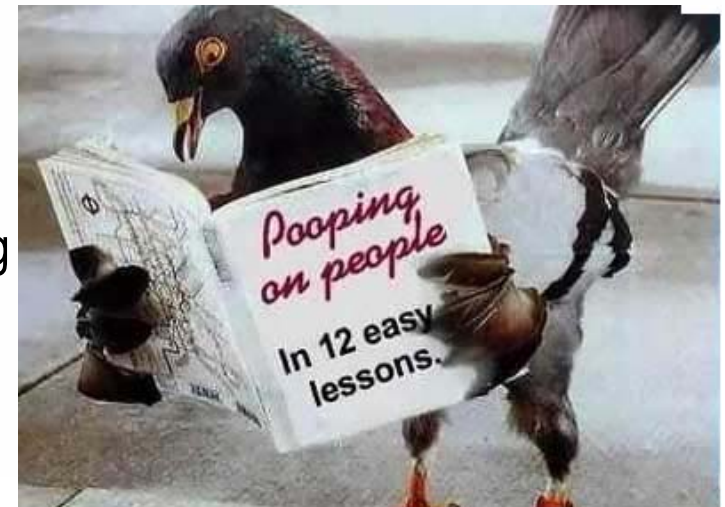


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CATERPILLAR®

Personal Protection Equipment (PPE)

- Safety (Hi-Visibility) Vests Mandatory
 - Do not assume the customer will provide
- Safety Shoes
 - Hard Toe MUST- Solid Soles nice to have
 - Steel preferred
 - Needles, Nails, Glass, Razors, etc...
- Hard Hats
 - Check ahead...
 - Not always mandatory
 - Hat should be worn
 - Birds
- Safety Glasses
 - Things are in-the-air and crushing/breaking/smashing of debris is the work of a landfill.
- Gloves
 - Should be worn but not mandatory



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Know the Meeting Place/Point for Emergency

- Guard House?
- Scale House?
- Main Parking Lot?
- Pick a Place that is KNOWN



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Photography

- Never take a photo without permission **FIRST**
 - Landfills do **NOT** want attention
 - Public opinion is already bad
 - Things happening that don't need documenting
 - Competitive advantages are secret and private



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Understand the Traffic Flow & Direction

- Follow the entry & exit roads
 - No Shortcuts
- Larger vehicles have the Right-Away
 - Never rely on common sense
 - Never rely on rules-of-the-road.



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Traffic is Heavy and Rushed

- Look & Listen before moving
- Drivers are paid by the trip and in a hurry
 - You watch for them as they are NOT watching for you



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No Interference with Trucks

- DO NOT stop the drivers
 - PAID by the trip
 - They are in a hurry



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Buddy System In-Place

- Do Not Move Around Alone
 - Always have someone with you
 - YOU watch for them and pay attention



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No Wandering Around



- If relocation on the site is necessary...?
 - Get Permission (Use buddy system)
 - Supervisor
 - Spotter
 - Other team members



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Safety On & Off Machines

- 3-Point Contact Mandatory
 - 2 Hands & 1 Foot
 - 2 Feet & 1 Hand
- No Jumping off Machine
- No Access to Areas Not Recommended



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Personal Hygiene

- Wash Hands ALWAYS
 - Everything Bad is in the landfill
 - Shaking hands with people
 - Do you know when they washed last?
- Change Clothes before going out
 - You don't smell You... Others do!
 - Airplanes, Elevators, Dinner, public places
 - YOU STINK!!



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No Smoking without Direct Permission

- Methane gas is everywhere (has no smell)



- It's a byproduct of waste degradation
- It's explosive in high concentration
- It's flammable



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No Littering

- Landfills could be fined for litter
 - Yes, the landfill active face is OK
 - Don't throw trash out the window or drop
 - Regardless of what's around you



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Stay Out of Confined Spaces or Low Areas

- Landfill gas is present (40 – 60% methane, with the remainder being mostly carbon dioxide (CO₂)
 - It's deadly
 - FAST and No Warning



Lookout for Each Other

- Assume the worst can happen
 - Methane has no smell
 - Drivers are not watching for you
 - Traffic and work conditions change rapidly
- Stupid Happens
 - Assume it's around you all the time
 - Common Sense wasn't hired or practiced
 - Drivers – Last stop for work?
 - Employees – Busy adapting to environment
 - Customers – They don't know what they're doing and amazed



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Nice to Have

- Be ready for climate extremes. (Cold/Hot/Humid/Dry/Wind)
- Take bags for your boots (They STINK)
- Take baby wipes for hands (Yes, you could eat at the face)
- Bring sun lotion (apply at hotel)
- Bring rain gear



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Enjoy your visit - Questions?



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