

Worldwide Pollution Control Association

WPCA/LG&E and KU

Coal-fired APC Environmental Seminar

May 23-24, 2017



Visit our website at www.wpca.info

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Company Overview



WPCA – 5/22/17

LG&E-KU Overview

- LG&E-KU serves 956,000 customers
 - LG&E serves 324,000 natural gas customers
- 7 generating station sites
 - Cane Run- Natural gas
 - Dix Dam- Hydro
 - EW Brown- Coal, natural gas, solar
 - Ghent- Coal
 - Mill Creek- Coal,
 - Ohio Falls- Hydro
 - Trimble County- Coal, natural gas

Equipment to Comply With Regulations

- Bag houses installed on coal units
- New wet scrubbers installed on coal units
- Testing on PAC, hydrated lime, coal additives, scrubber additives
- Fuel oil to natural gas conversion for start up
- Waste water treatment pilot at two sites

Home Safety

LADDER SAFETY

EXTENSION LADDERS

The diagram illustrates the correct use of an extension ladder. A person is shown climbing the ladder, which is extended above a roof line. A vertical orange arrow on the right side of the ladder is numbered 1 through 4, indicating the correct 4:1 angle. A horizontal orange arrow at the bottom indicates the ladder should be set up 1-out from the wall. The ladder is shown leaning against a door, which is locked or blocked off. The ladder has non-slip feet and is set on a firm, level base. The 'THE WRONG WAY' section shows five examples of unsafe practices: leaning to the side, overreaching, carrying heavy objects with both hands, using metal ladders near power lines, and using ladders with slippery steps.

Face the ladder while climbing.

Always carry tools in toolbelt holster or raise and lower them with a hand line.

Maintain 3 points of contact while climbing (1 hand and 2 feet, or 2 hands and 1 foot).

Check all locks on the ladder are properly engaged.

If you don't tie off your ladder and stake it to the ground, you should have someone else hold the bottom of the ladder so that it doesn't move.

Use ladder with non-slip feet.

Minimum 1 metre (3 feet) extended above roof line.

Set up at 4:1 angle. For every 4-up, place the ladder base 1-out from the wall.

If you must place your ladder in front of a door, make sure it is locked or blocked off.

Firm and level base. If the ground is uneven, attach a set of ladder levelers which can be obtained from the ladder manufacturer.

THE WRONG WAY

Don't lean to the side, keep your weight in the middle of the rungs.

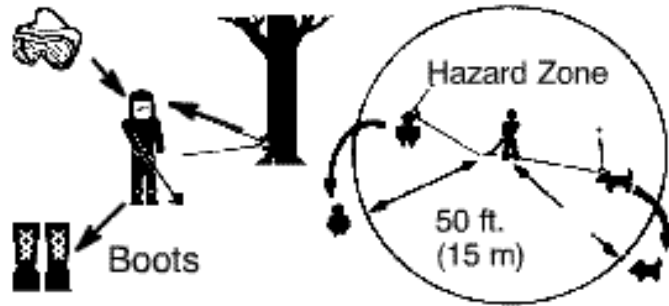
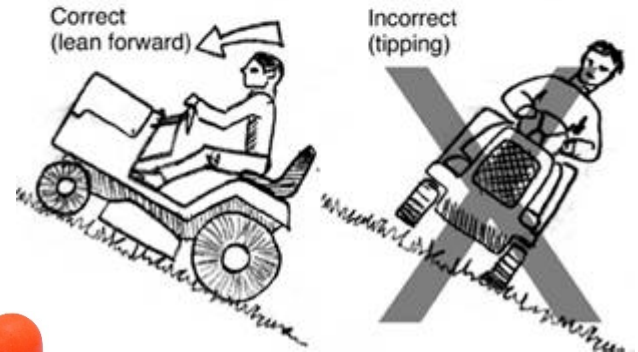
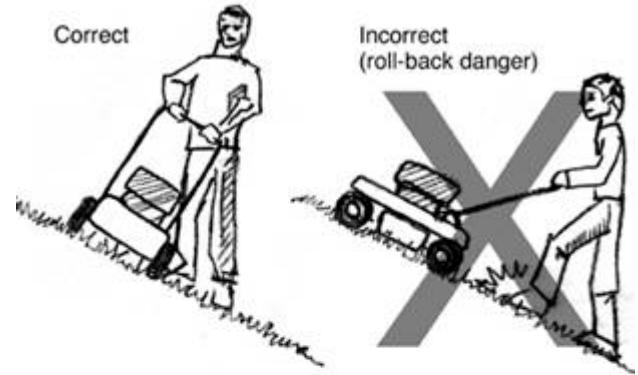
Do not overreach / use ladder with the wrong height for the job.

Do not carry heavy objects with both hands while going up.

Metal ladders conduct electricity. Keep away from power lines.

Do not use ladder with slippery steps, or damaged rungs.

Yard Work



Chemical Storage



Safety Minute - Outages



WPCA – 5/23/17

New Contractors on Site During Outages

- Do new contractors know our safety culture?
- Aware of outage activities
 - New chemicals
 - Ammonia
 - Other work group activities
- Vertical safety
- Danger tape and caution tape
- Hard hat direction and use with welding hood

Vendor/Contractor Questions to Ask

- Hazards around work area- above, below, to the sides
- Other work in area
- Emergency procedures and alarms
- Safety standards- Plant vs. OSHA
- LOTO specifics
- Parking