

TRAINING OF ANIMAL HANDLERS IN SLAUGHTER FACILITIES -A SOUTH AFRICAN PERSPECTIVE

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ANIMAL WELFARE

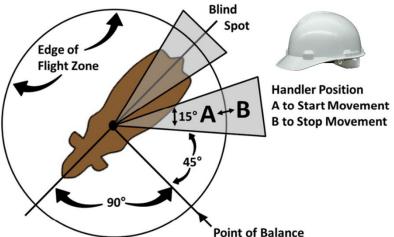
"One of the most effective means of minimising pre-slaughter stress is to ensure that the animal handling facilities enable smooth and efficient movement of livestock and that the stockpersons understand the principles of animal handling" Temple Grandin



THE PRINCIPLES OF ANIMAL HANDLING

- Buy in from management
- Teach animals handlers about:
 - the flight zone,
 - the point of balance,
 - the use of driving aids,
 - avoid whistling and shouting,
 - what constitutes animal abuse,
 - the consequences of wilful a of animal abuse

Adapted from Parish & Bourg Karisch, Beef Cattle Behavior and handling, Mississippi State University. **Publication 2801** (POD-08-22)





The 'easy' part

ANIMAL HANDLING FACILITIES

- No amount of training and buy-in from managements can make up for poorly designed facilities
- Which facilities:
 - Offloading
 - 🐜 Lairages
 - Holding pens
 - Crushes and races

The 'difficult' part



WELFARE INDICATORS

- Arrival, unloading, handling and moving in lairage:
 - Slipping and falling
 - Turning back and reluctance to move
 - Lameness
 - Vocalization increased fear, pain or distress
 - Fatigue and dead animals
 - Thermal comfort
- 🖝 In lairage pens
 - Access to water
 - Space allowance animals can lie down comfortably

Identifying and documenting welfare issues. Documenting progress.



WHY IS GOOD ANIMAL HANDING IMPORTANT





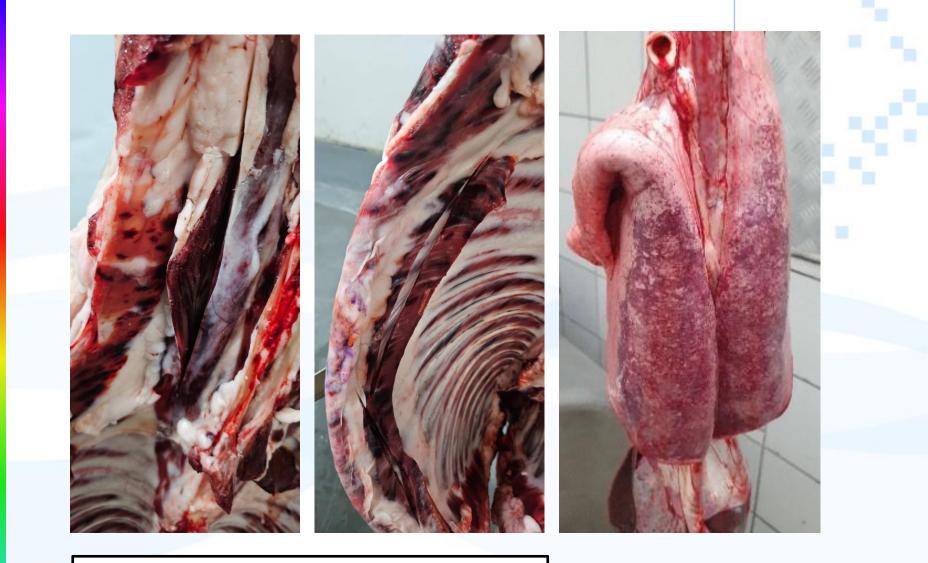
Bruise (contusion) on the hindquarter of a cow



Severe stress in a pig: Lungs of a pig with haemorrhages and blood-tinged pulmonary oedema

Contrast this to the normal lung

Carcass may be congested ('fever')



Sheep carcass with severe blood splashing









Pig with severe trampling fighting marks



UNIVERSITEIT VAN PRETORIA UNIVERSITY OF PRETORIA YUNIBESITHI YA PRETORIA Denkleiers • Leading Minds • Dikgopolo fsa Dihlalefi Pig with splenic torsion

Pig – inappropriate use of tattooing equipment

OFFLOADING RAMPS AND OFFLOADING PRACTICES



WELL-DESIGNED FACILITIES



Notice the small sliding gates: avoid open spaces where animals may fall or jump through

Non-slip metal floor grating made from heavy steel rods to avoid slips and falls

Offloading ramp level



ANIMAL HANDLER USING THE FACILITIES EFFECTIVELY

Positive messaging (5 domains): Animals must feel calm, safe and in control.



FACILITIES NOT FIT FOR PURPOUS





WELL-DESIGNED FACILITIES



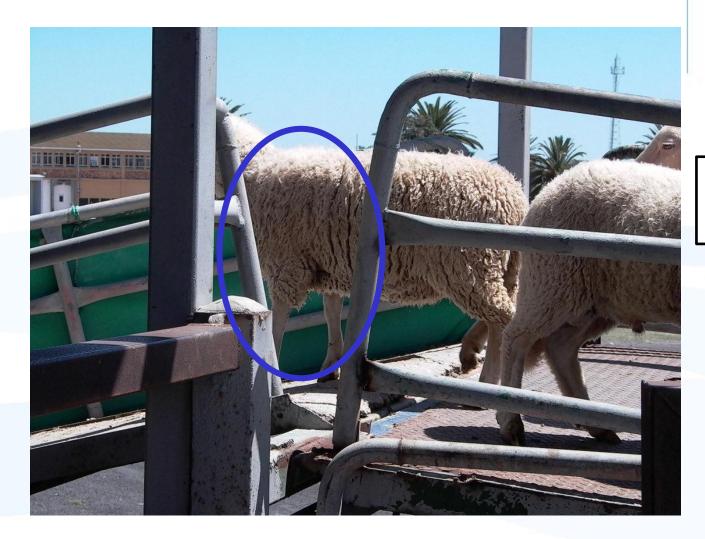
Height adjustable offloading ramp

Metal flaps used to close the gap between the ramp and the truck

Sliding gates to close gaps on the sides









Wide gap: Animals may fall off



Training is not going to help much to resolve these problems





Offloading of pigs using a lift

Avoid any angle for pigs



LAIRAGES, HOLDING PENS, HERDING ANIMALS



DRIVING AIDS

- Plastic rattle/sorting paddle
- 🖷 Flags
- Old feed bags ensure that the bottom of the bag is cut open!!
- Big plastic bags filled with air and tied to a stick
- Old plastic aprons cut into ribbons and tied to a small stick
- Sorting boards for pigs
- 🕶 Pool noodles





Can be used sparingly with good design and/or moving small numbers of animals

FACILITIES NOT FIT FOR PURPOUS



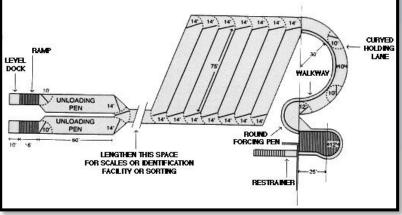


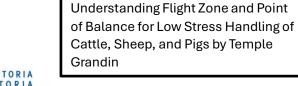
WELL-DESIGNED FACILITIES



Herring-bone design – no driving aid

Also, non-slip grooved concrete flooring









Training will result in a big improvement in handling



No driving aids but group size is much too big

Drive smaller groups – 6- 10 pigs

Consider using a lightweight wooden pig sorting board



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Pig holding pens must have solid walls for preference

Enrichment of the environment





Lairages for pigs must be equipped with cold water sprayers

NB!!! Heat stress – lung oedema; haemorrhages throughout the lungs; blood in draining lymph nodes





Solid walls = Calm pigs

Animals handlers and neighboring pigs should not disturb resting pigs.

> Positive messaging (5 domains): Animals must experience physical and thermal comfort.





Some of the holding pens have limited protections against the sun - animal handlers know not to put the pigs in direct sunlight but....



CRUSHES AND RACES LEADING INTO THE ABATTOIR



WELL-DESIGNED FACILITIES



The crush connecting the lairages to the restraining area in this abattoir has solid sides and is high enough – no distractions!



FACILITIES NOT FIT FOR PURPOUS

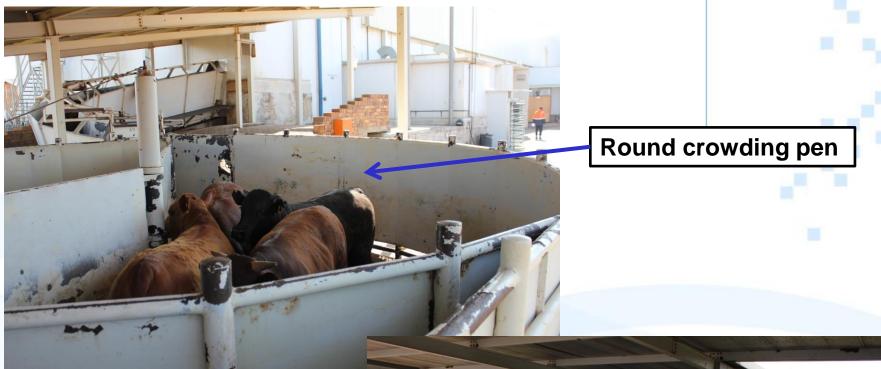


Open sides – can see personal moving

Spraying cattle with water just before entering stunning pen - Supposed to have a calming effect ?



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Make sure the animal handlers stands on the outside and in the right spot

Do not pack cattle in too tightly







Sliding trapdoor that leads into the stunning pen

Animal handlers must open and close it between each animal so that the stunning pen is not visible from the crush or lairages





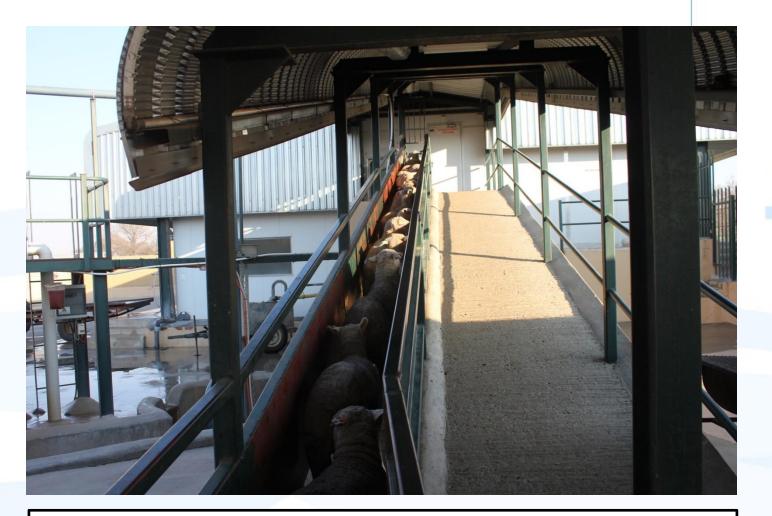


Round crowding pen with hinged gate - pack sheep tightly but not so tight that they don't have enough standing room.

Crush at an incline putting the stunning room higher than the dressing room



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Crush at an incline putting the stunning room higher than the dressing room – no hoist required which allows for quick bleeding

Also, sliding a trapdoor that leads into the stunning area – not left open all day so that the stunning pen is not visible from the crush



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Race leading to the crush – solid sides and wide passage

Crush into restraining device - Pig facing the wrong way. Ideally it should only be wide enough to allow one pig at a time to enter. However, what about large pigs?



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EMERGENCY SLAUGTER

Do NOT move

injured cattle or pigs – kill on the spot, using appropriate methods

 Sheep – carry to emergency slaughter entrance Positive messaging (5 domains): Try to prevent injury, and if it does happen, have it dealt with quickly and as stress free as possible.



Thank you



