



**SAVING PETS
SAVES LIVES**

FEMA Individual Assistance Conference

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Animal Care Mission

- The mission of AC is to provide leadership in establishing standards of humane care and treatment of animals, and to achieve compliance with those standards through inspections, education and cooperative efforts.

Regulated Species

+

= AWA Jurisdiction

Regulated Activity

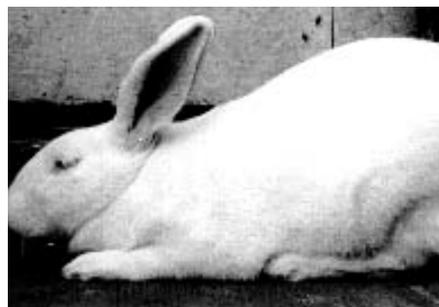


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Animals Regulated Under the AWA

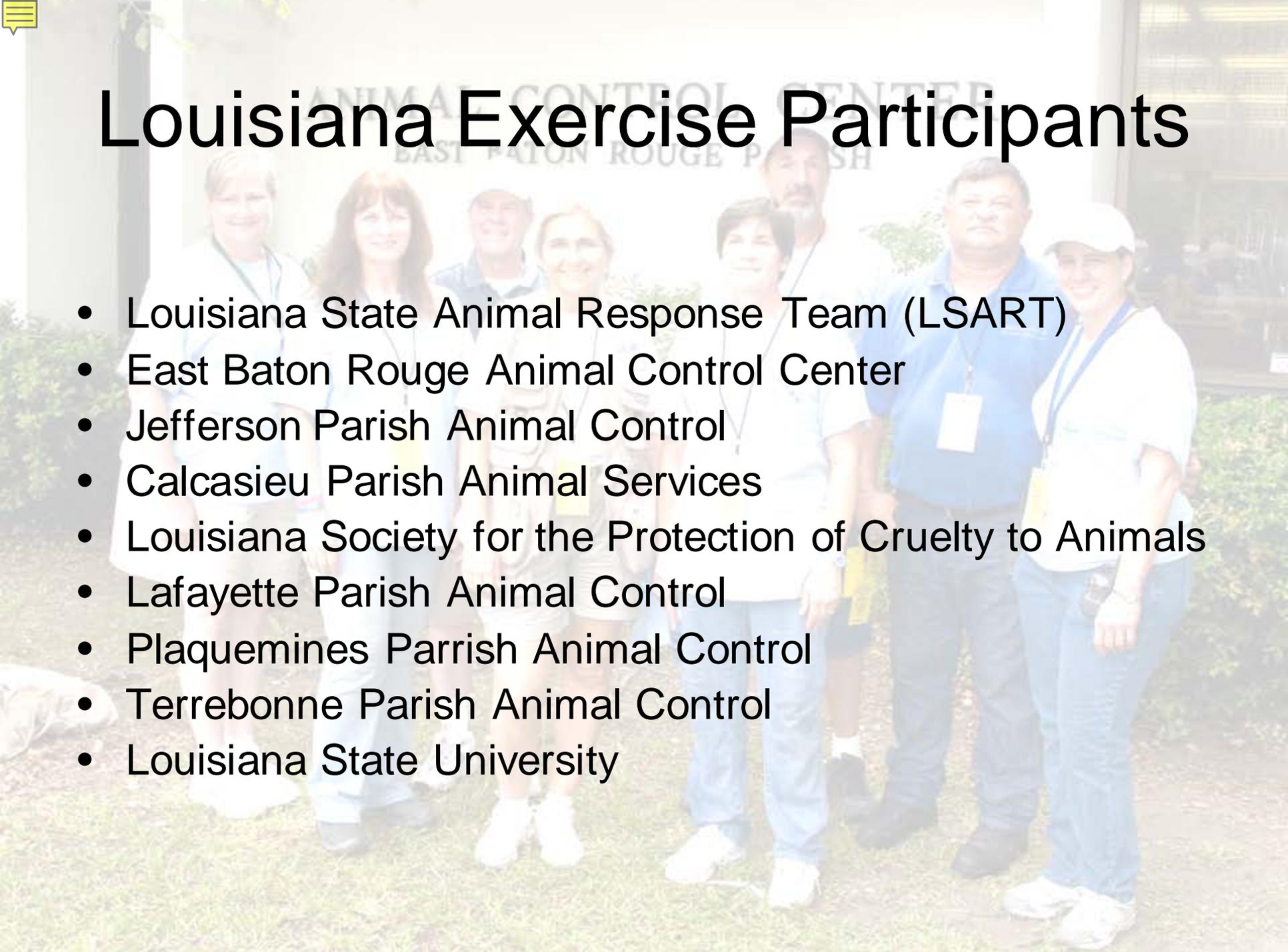


Animals NOT Regulated Under the AWA









Louisiana Exercise Participants

- Louisiana State Animal Response Team (LSART)
- East Baton Rouge Animal Control Center
- Jefferson Parish Animal Control
- Calcasieu Parish Animal Services
- Louisiana Society for the Protection of Cruelty to Animals
- Lafayette Parish Animal Control
- Plaquemines Parrish Animal Control
- Terrebonne Parish Animal Control
- Louisiana State University

Purpose

- To determine how long animals can be transported in a 53 ft refrigerated trailer before oxygen and carbon dioxide reached a threshold level for safety.
- Oxygen threshold – 19.5%
- Carbon Dioxide threshold – 3%







BORDERLINE
036
53 FT

BORDERLINE
036
53 FT

Man in blue polo shirt and dark pants, standing on the left side of the container.

Woman in a dark blue t-shirt and white shorts, reaching up to place a carrier on top of the stack.

Man in a white polo shirt and dark cargo pants, standing on the right side of the container, assisting with the carriers.

Yellow strap with text: **53000 TYP**



World's Research Center
NORTHWEST TEXAS

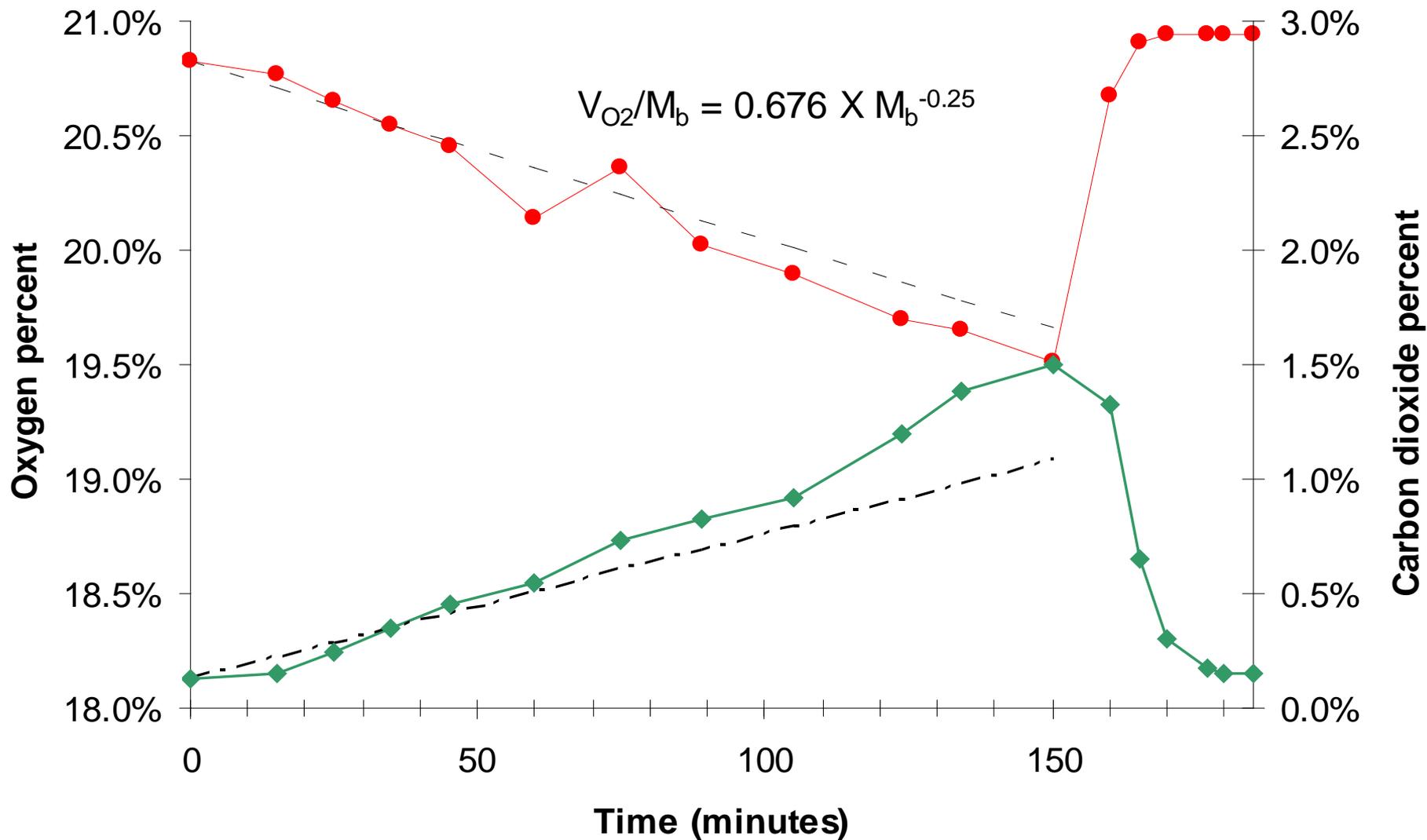
MPD
RESEARCH
2011-12-15





Oxygen and Carbon Dioxide Levels in a 53 ft. Trailer with 122 animals

—●— O2 Measured - - - O2 Calculated —◆— CO2 Measured - - - - - CO2 Calculated

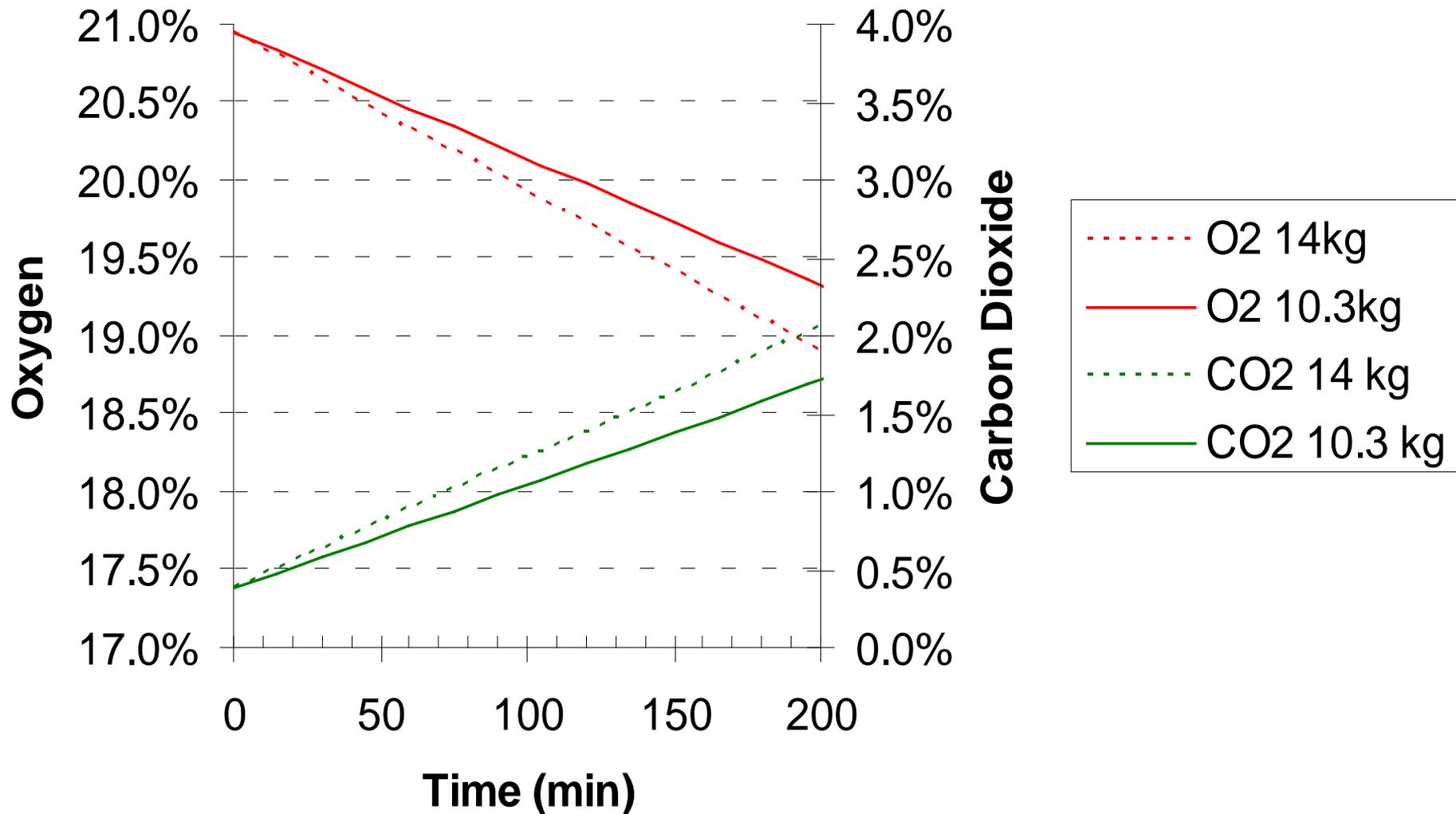




Key Findings

- The threshold level was reached after 150 min (2.5 hr)
- Oxygen reached the threshold before carbon dioxide.
- Oxygen consumption and carbon dioxide production was not linear but accelerated as time went on.
- The estimated levels for CO₂ and O₂ calculated from the metabolism formula correlated fairly closely with the observed values especially early on (0 to 50 min).
- Oxygen levels normalized more quickly than carbon dioxide after the doors of the trailer were opened.

Calculated Levels of Oxygen and Carbon Dioxide in a 25 ft Truck with 48 Dogs and Cats



Conclusions

- Purpose built vehicles with temperature and ventilation controls are the safest means to transport animals
- There are not enough purpose built vehicles to evacuate all pets with transportation needs in a large city
- Animal Care intends to partner with other organizations to develop a national resource of pet transportation vehicles



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USDA APHIS Animal Care Emergency Programs