

# Appendix F

## *Euthanasia Equipment and Materials*

Euthanasia Specifics Related to Whole House CO2 (Information from Canadian Experience)

- One tanker (17,000 kg) has enough gas to depopulate 2-3 15,000 bird houses
- Roughly 7 minutes from injection to silence
- Following sealing of building by construction crew, the building was filled with CO2 in the late afternoon

The building was opened at mid-day the next day

A qualified specialist must inspect building before reentry of personnel. Atmosphere must contain less than 5000 PPM CO2 and at least 19.5% O2.

Persons able to perform this work are available through Bureau Veritas/Clayton Group Services at 971-244-1200. The manager of the Portland Office is Thomas Mergy

1. Bulk tank truck CO2 is available from Quimby Corporation in Portland or OxArc out of Pasco, Washington. A tank truck transports roughly 38,000 lbs of liquid CO2 that makes approximately 330,000 cubic feet of gas. A truckload costs approximately \$4000 and should be available with 24-48 hours notice. Through Quimby Corporation via PraxAir, one should be able to get an experienced technician from British Columbia to assist with the process. It will take at least 24 and possibly 48 hours to get this set up.
2. Quimby Corporation: 503-221-1100
  - i. Bruce Winkle is a contact for technical advice
  - ii. Gary O'Brian is the PraxAir representative and his cell number is 503-467-6894
3. OxArc: 800-765-9055 or 509-535-7794
4. Appropriate 58 gallon barrels are available from F. E. Bennett Co. at 739 NE Broadway, Portland, OR. Phone – (503)-288-2321/800-288-1789 – FAX: 503-288-1708 – [www.febennett.com](http://www.febennett.com)
5. CO2 cylinders are available from Industrial Welding Supply at 1995 Commercial NE, Salem, phone – 503-581-6131
6. An example of the hookup necessary for the CO2 cylinder to barrel is available in the VETS trailer. The necessary items can be obtained at Industrial Welding Supply and a hardware store.
7. Personal Protective Equipment including N95 disposable particulate respirator, disposable coveralls, and goggles are available in the VETS trailer.

ODA will seek additional recommendations from the USDA's Standard Operating Procedures HPAI Task Force Manual and the National Avian Influenza Response Plan, August 2006.

