8.0 Chemicals and Other Hazardous Materials including Radiation

Personnel who utilize chemicals and/or hazardous agents (for example, infectious agents and radiation) will be provided personal protective clothing/equipment appropriate to the agents. The Principal Investigator is responsible for informing his/her staff of the type of personal protective clothing/equipment that must be used with respect to any hazardous agents involved in a research or teaching activity. Prior to use of hazardous agents, in animals a Special Animal Safety Protocol (SASP) sheet will be developed in conjunction with the Environmental Health and Safety Officer.

8.1 CHEMICALS

Potentially hazardous chemicals in the animal laboratory and care rooms may be found in disinfectants, cleaning agents, pesticides and in feed and/or bedding waste. Chemical hazards may be flammable, corrosive, reactive, explosive or toxic. Burns and skin irritations are the most common chemical injuries. Other injuries can result from inhaling corrosive chemical vapors. The best means of reducing risk is to wear the required appropriate protective clothing/equipment, including gloves and masks, and to wash hands after handling any chemicals. Appropriate safety equipment should be used when handling toxic chemicals.

8.2 OTHER HAZARDOUS MATERIALS

Certain precautions and/or approvals are required for the following materials:

- **Radiation** – Contact the Radiation Safety Office for appropriate forms and approval.
- **Infectious Materials, and Recombinant DNA** – Contact the Institutional Biosafety Office for appropriate registration forms
- **Hazardous Anesthetics** – All gas anesthetics should be used with appropriate waste gas scavenging systems.
- **Controlled substances** – Federal rules apply.