

## APPENDIX D

### WASTE DISPOSAL

NOTE: In view of the recent problems with shallow-land burial sites used by commercial waste disposal firms, Radiation Safety is encouraging your support to aid Emory in reducing the volume of waste sent to these facilities. Important steps in volume reduction are to segregate radioactive from non-radioactive waste and to segregate short-lived radioactive waste which can be held in storage for decay from longer-lived material which must be handled by a commercial waste disposal firm.

1. Liquid waste will be disposed of (check as appropriate):

In the sanitary sewer after holding for at least ten half-lives to complete decay and analysis of an aliquot in gamma well counter or liquid scintillation counter to determine that activity is no greater than background.

By delivery to Radiation Safety.

In the sanitary sewer system in accordance with (4) (c) of Rule 391-3-17-.03, Department of Natural Resources.

2. Other solid waste will be (check as appropriate):

Delivered to Radiation Safety.

Held for decay until radiation levels, as measured in a low background area with a low-level survey meter and with all shielding removed, have reached background levels (10 half-lives minimum). All radiation labels will be removed or obliterated, and the waste will be disposed of in normal trash.