

Solid Waste Burial Grounds

0331  
General

- ✓ (1) Columnar section through the burial ground - this information should be based on geophysical logs and geologic well data (particularly data collected after 1965).
- ✓ (2) Geological cross section of area, especially through the burial ground(s) - surface to water table.
- ✓ (3) Recent annual water table contour maps for all the burial areas - seasonal data. In addition, information on ground water elevations gradients, and directions of flow in the vicinity of the burial ground(s) (if available).
- ✓ (4) Well location maps - and data on depth of well, including any wells used for water supply or recharge (volumes of water involved).
- ✓ (5) Radionuclides present in the burial site.
- (6) Ground water - radionuclide and stable element analysis
  - a) yearly
  - b) radionuclide concentrations
  - c) stable element concentrations
  - d) radionuclide migration contour maps
- ~~(7)~~ Any distribution coefficient data,  $K_d$ , for the radionuclides present in the burial site (including Sr, Cs, Co, Mn, Pu, Am.)
- (8) Geo-hydrologic characteristics of the ground under saturated and unsaturated flow conditions:
  - a) storage coefficient
  - b) effective porosity
  - c) hydraulic conductivity (or transmissivity)
  - d) dispersion coefficient (or dispersivities)
  - e) soil moisture tensor
- (9) Detailed site maps - showing burial ground locations, seepage pit locations, and well locations. Preferably indicated on U.S.G.S. Survey Maps.

Johas

Mc

