Figure B1-1
Headspace Gas Drum Age Criteria Sampling Scenario Selection Process
Figure B1-2
Headspace Sampling Manifold
Optional (see text)
Stainless steel dial pressure/vacuum gauge (side view)

VCR® Fitting
Bellows valve

100 milliliter stainless steel
SUMMA® passivated canister

250 milliliter stainless steel
SUMMA® passivated canister

Figure B1-3
SUMMA® Canister Components Configuration (Not to Scale)
Figure B1-4
Schematic Diagram of Direct Canister with the Poly Bag Sampling Head
Figure B1-5
Rotational Coring Tool (Light Weight Auger)
Figure B1-6
Non-Rotational Coring Tool (Thin Walled Sampler)
Use radiography to determine/verify the matrix parameter category and estimate waste material parameter weights

Perform visual examination

Visually examine unopened waste bags/packages

Can matrix parameter category and waste material parameter weights be determined without opening bags/packages?

Perform a limited visual examination through the unopened bags/packages

Yes

Confirm radiography-indicated matrix parameter category and determine waste material parameter weights

No

Perform a full visual examination

Open bags/packages

Determine matrix parameter category and waste material parameter weights

Based on the results of visual examination calculate the percentage of waste containers with incorrectly assigned matrix parameter category

Figure B1-7
Overall Programmatic Approach to Visual Examination