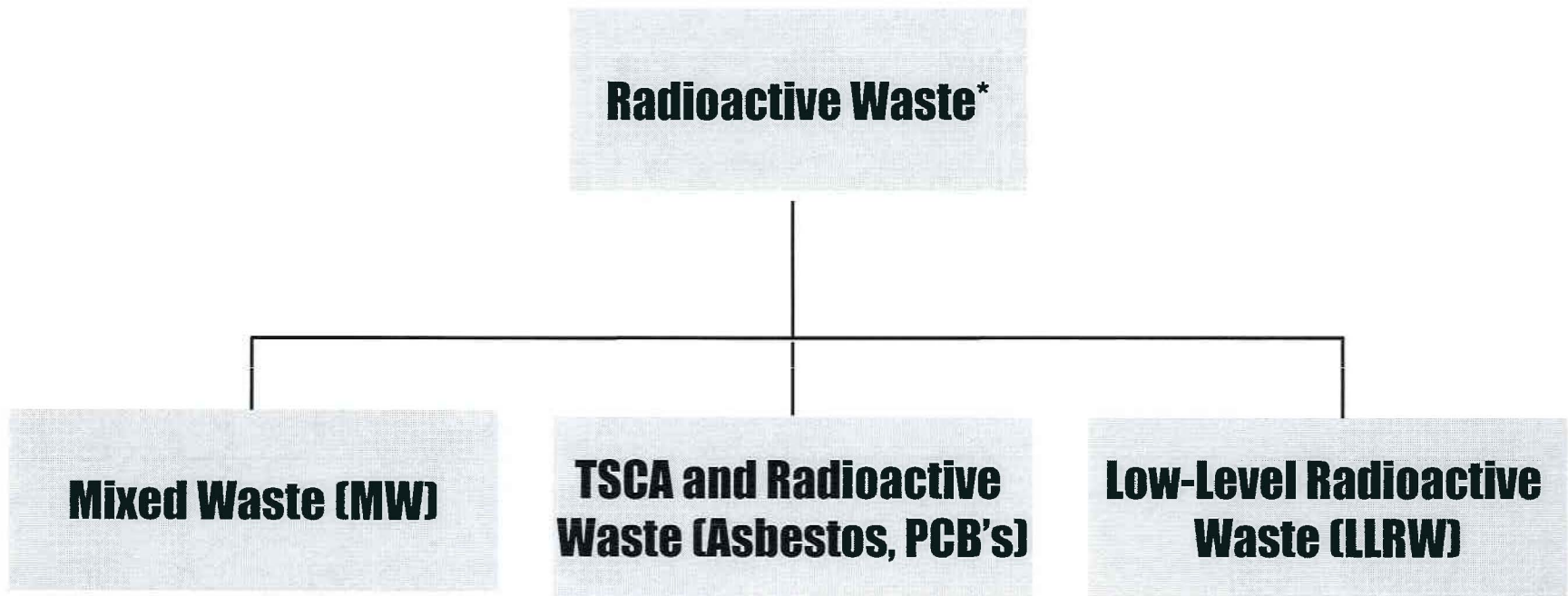


Low Level Radioactive and Mixed Waste Management Options

Prepared By *X Subcommittee of the*
ASME Radwaste Systems Committee

ASME RW Systems Committee RW Short Course - 1991

Low Level Radioactive and Mixed Waste Management Options

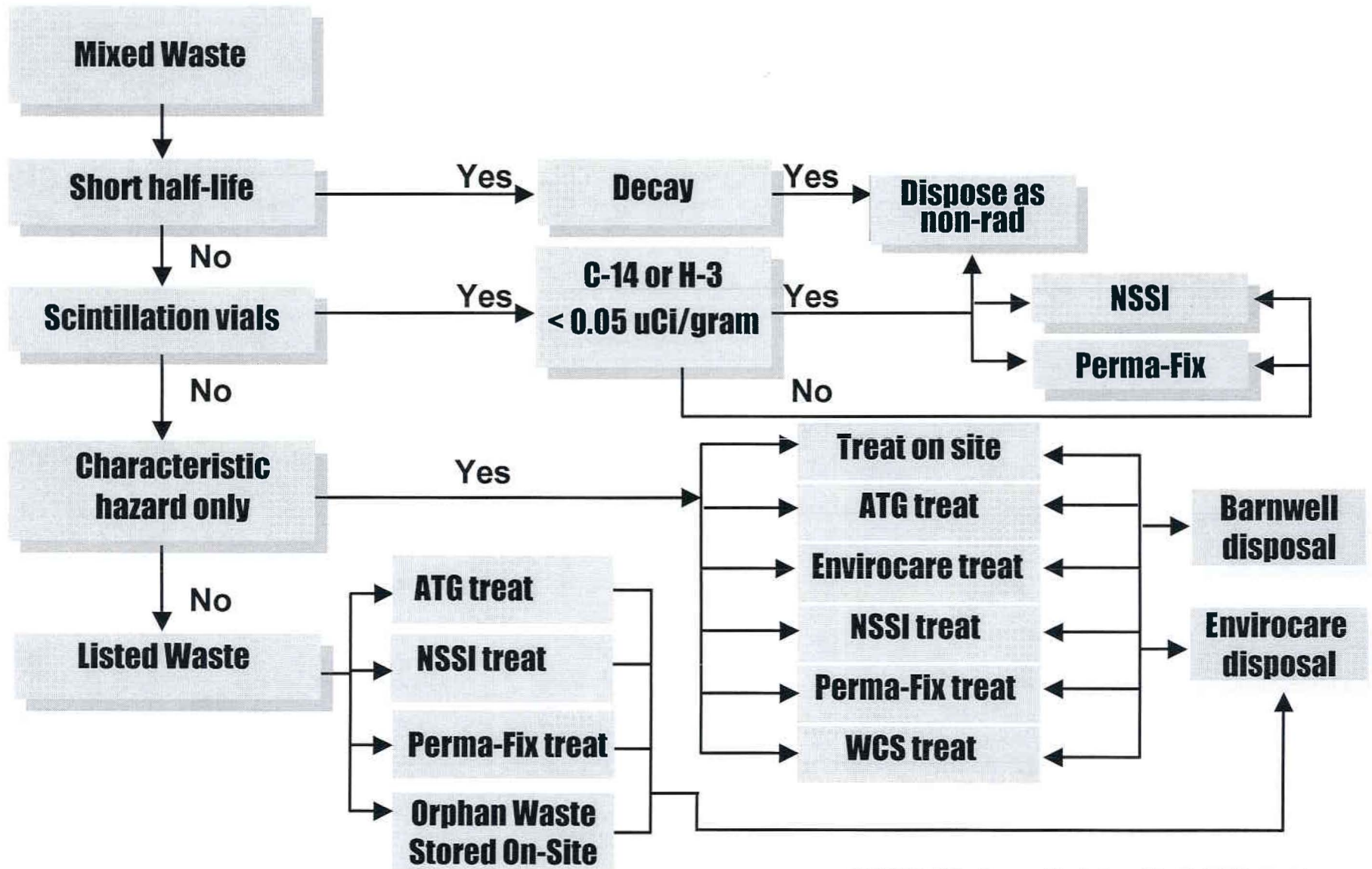


***Greater than Class C (GTCC) and Spent Fuel are not within this chart's scope**

LLRW Processing Options for DAW

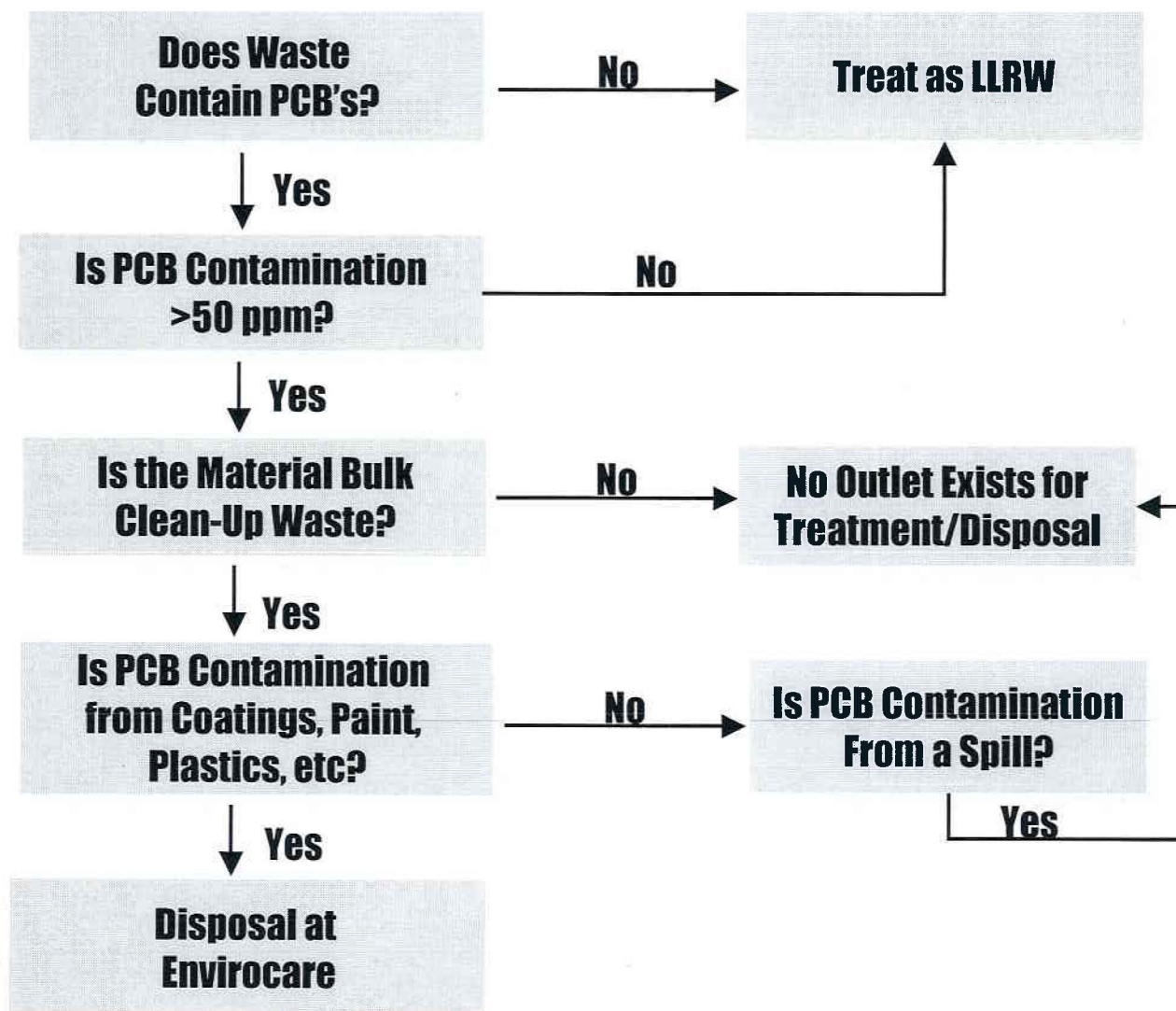
	<i>Permutit NW</i> ATG	<i>Energy Solutions Bear Creek</i> Duratek	<i>TOXCO MMC</i> US Ecology	<i>Studsink Memphis</i> Raco	<i>ALARON</i>
Incineration/Thermal	◆	◆			
Supercompaction	◆	◆	◆	◆	
Decontamination	◆	◆	◆	◆	
Solidification/ Stabilization	◆	◆			
Metals Processing	◆	◆	◆	◆	◆
Storage for Decay	◆			◆	
<i>Repackaging</i>	◆	◆	◆	◆	◆

Mixed Waste Treatment Options



*PERMA-FIX = PermaFix Gainesville FL, DSSI, M&EC

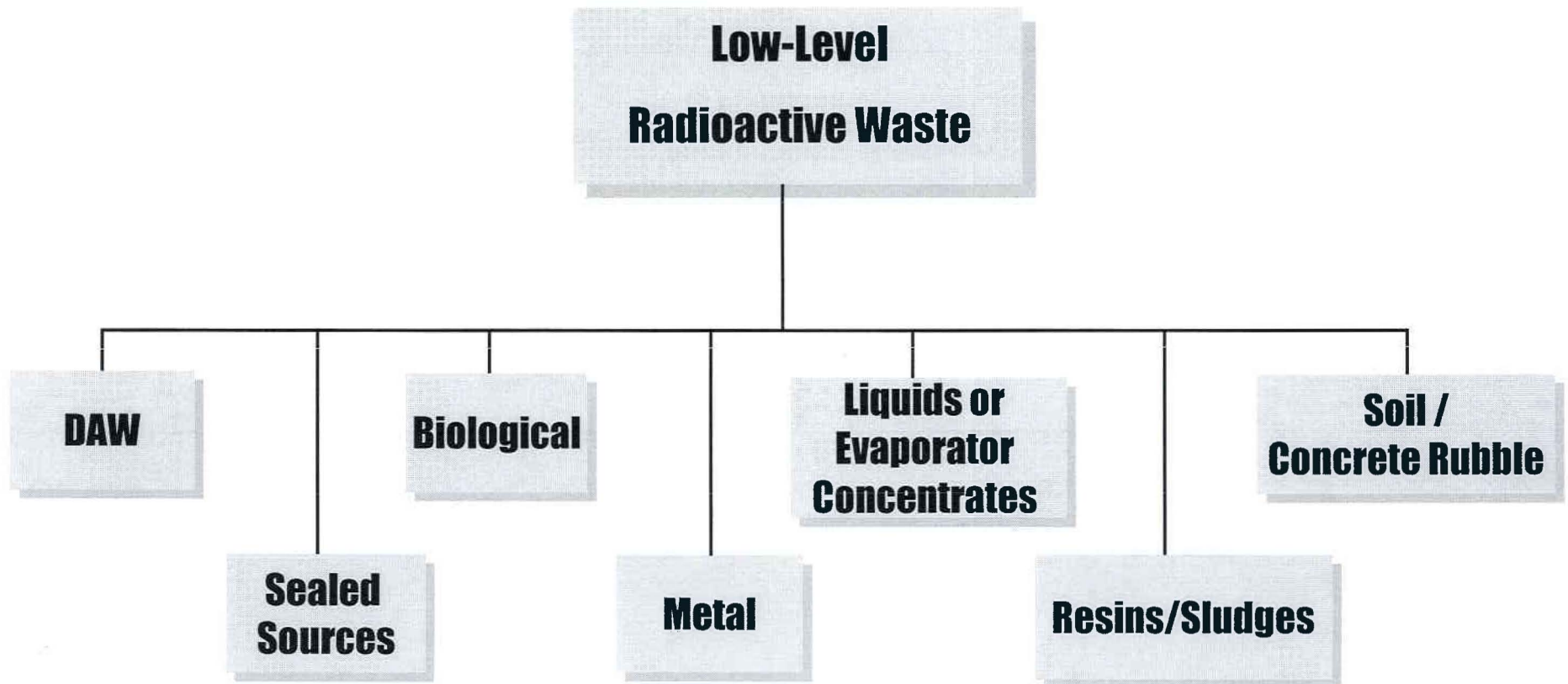
TSCA Mixed Waste Treatment Options



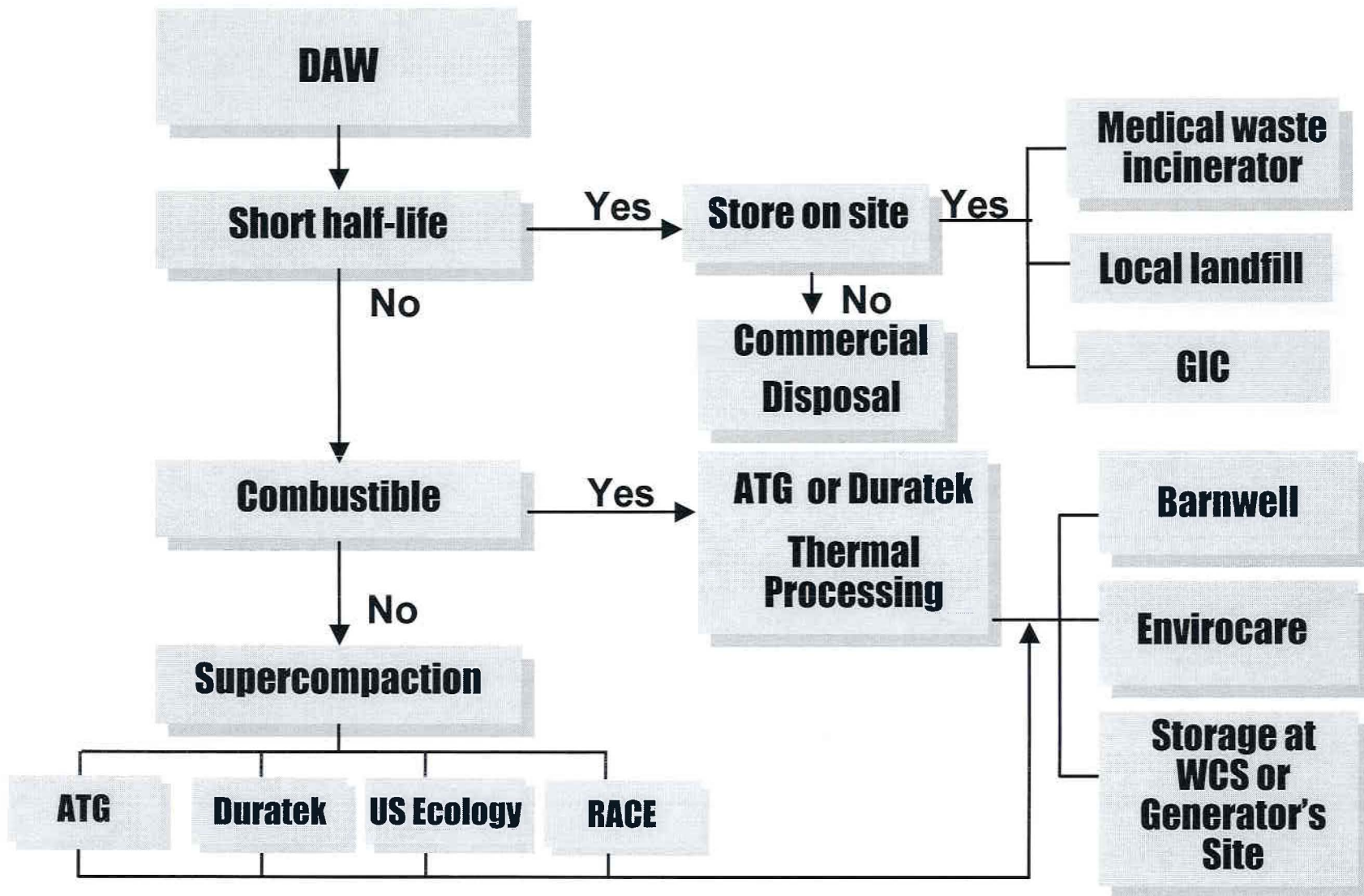
LLRW and MW Disposal Options

Barnwell	• Accessible to all generators for LLRW • Can bury most LLRW waste streams • Highest cost option • By 2008 will only be available to Atlantic Compact Generators
Envirocare	• Difficult for small generators to deal with directly • Easily accessed through a waste processor • Only permitted mixed waste disposal in the U.S.
US Ecology Richland	• Can only bury LLRW from NW and Rocky Mountain Compacts • Can accept NORM/NARM from throughout the U.S. • Can accept certain sealed sources.
Waste Control Specialists	• Burial of NORM waste • May store LLRW for indefinite periods • Treatment and storage of mixed and TSCA waste • Attempting to license LLRW disposal

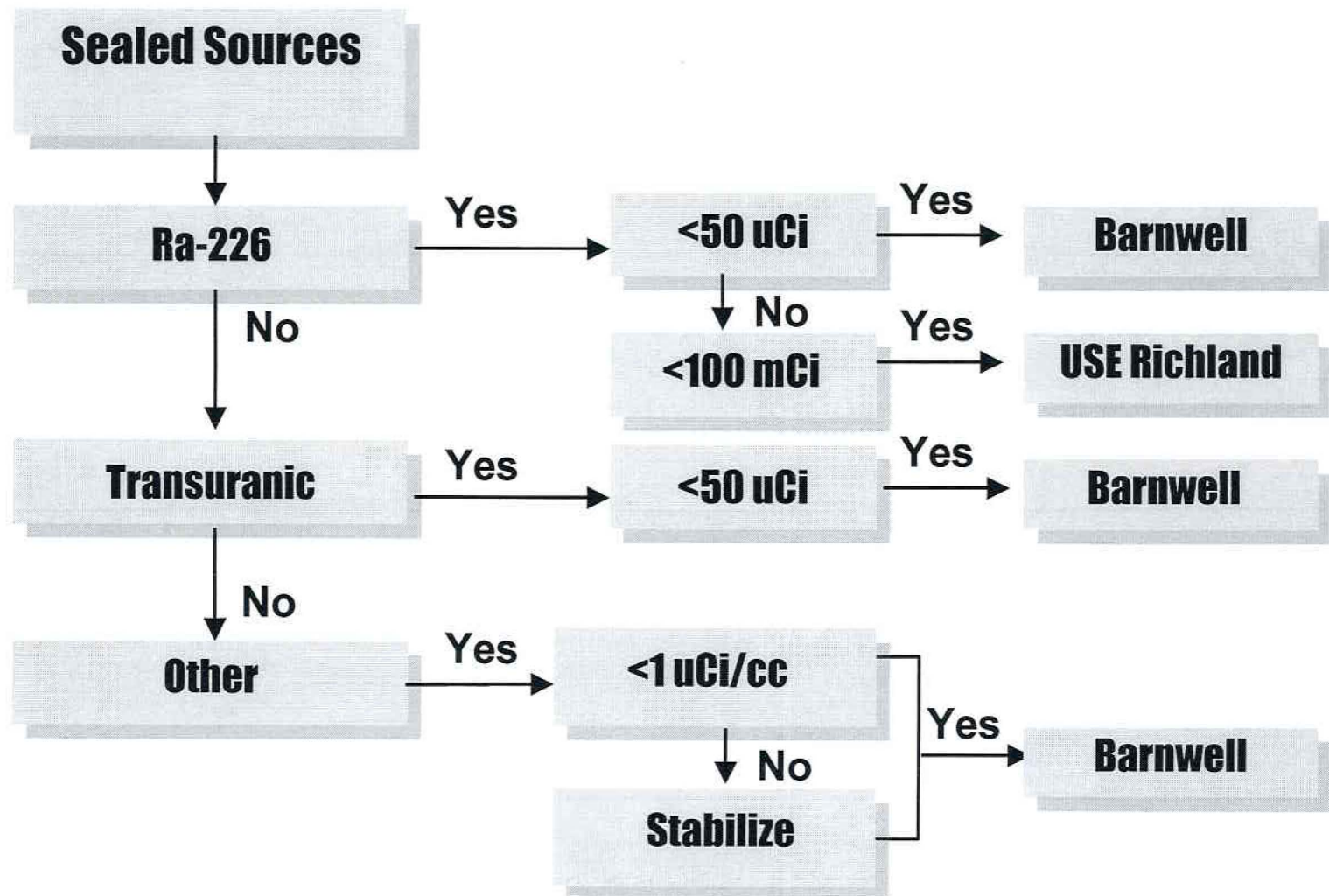
LLRW Waste Management Options



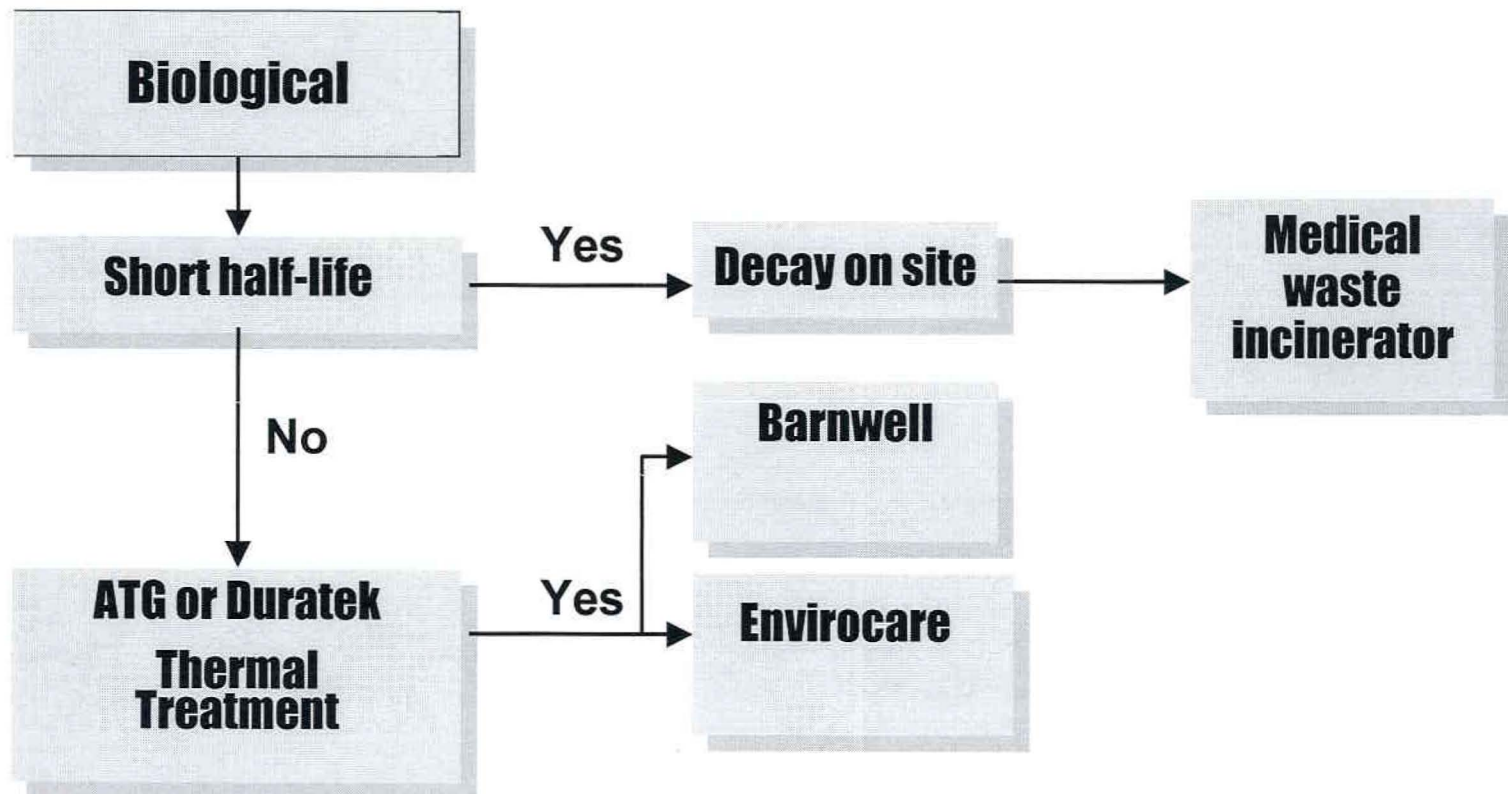
LLRW Waste Management Options for DAW



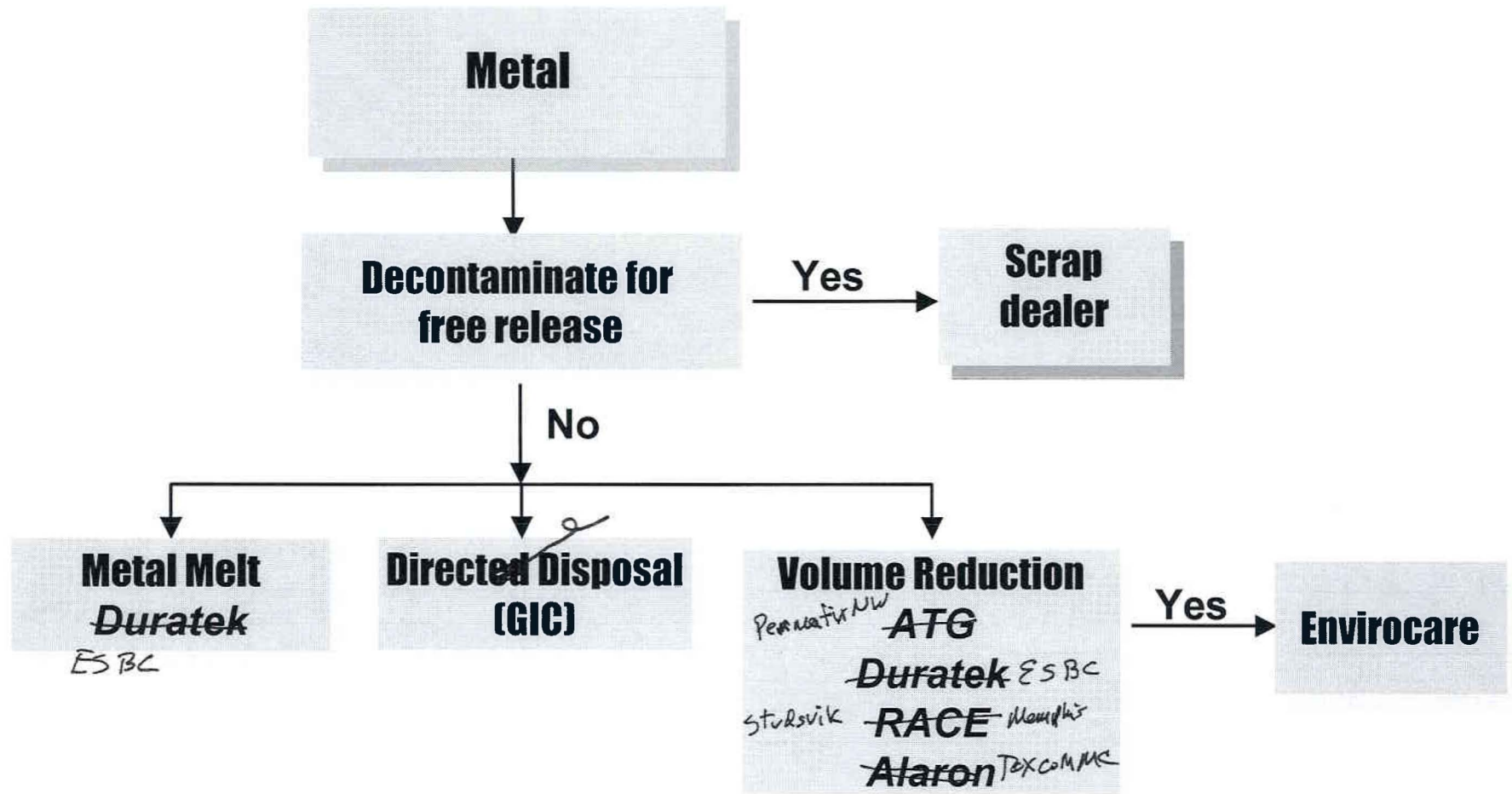
LLRW Waste Management Options for Sealed Sources



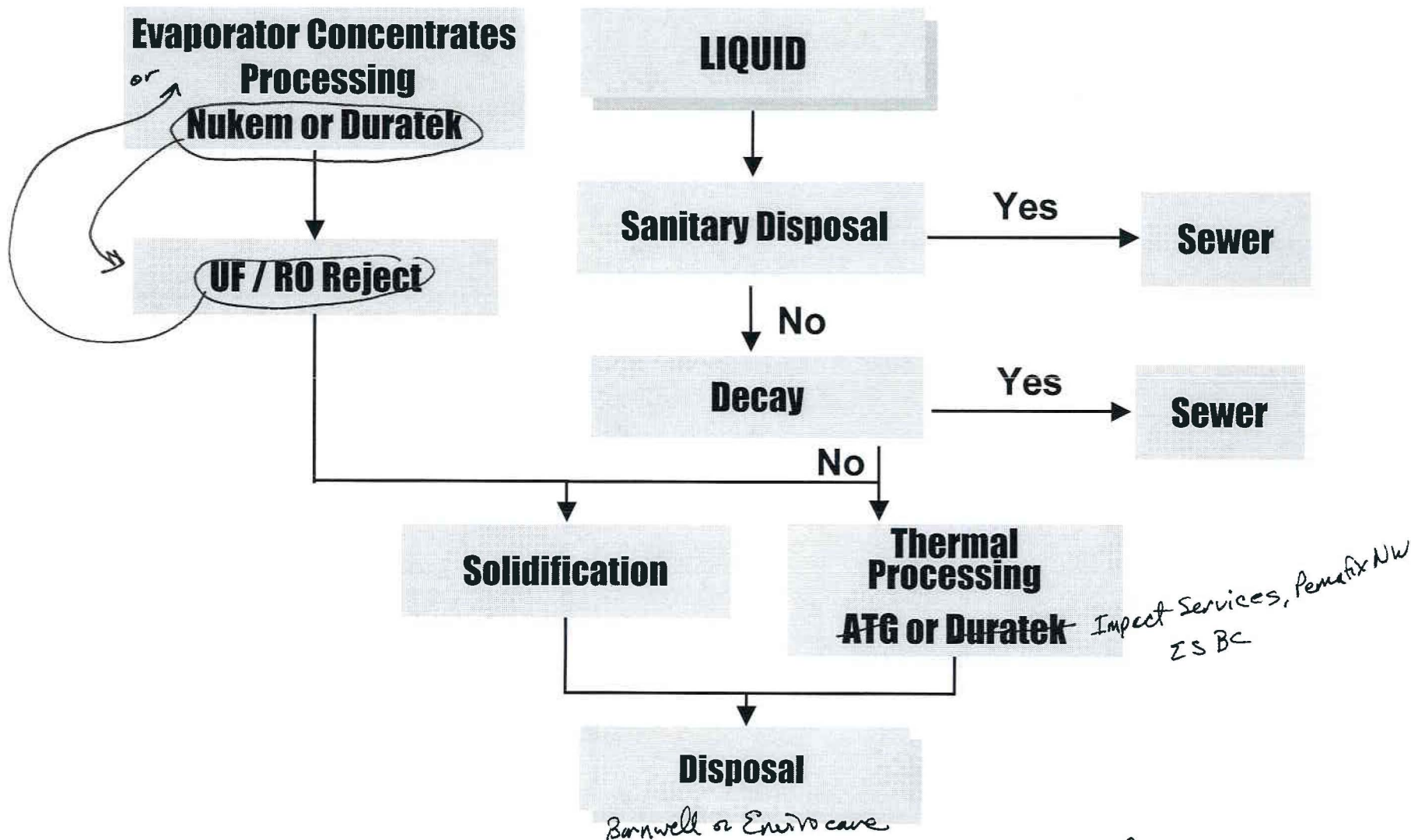
LLRW Waste Management Options for Biological



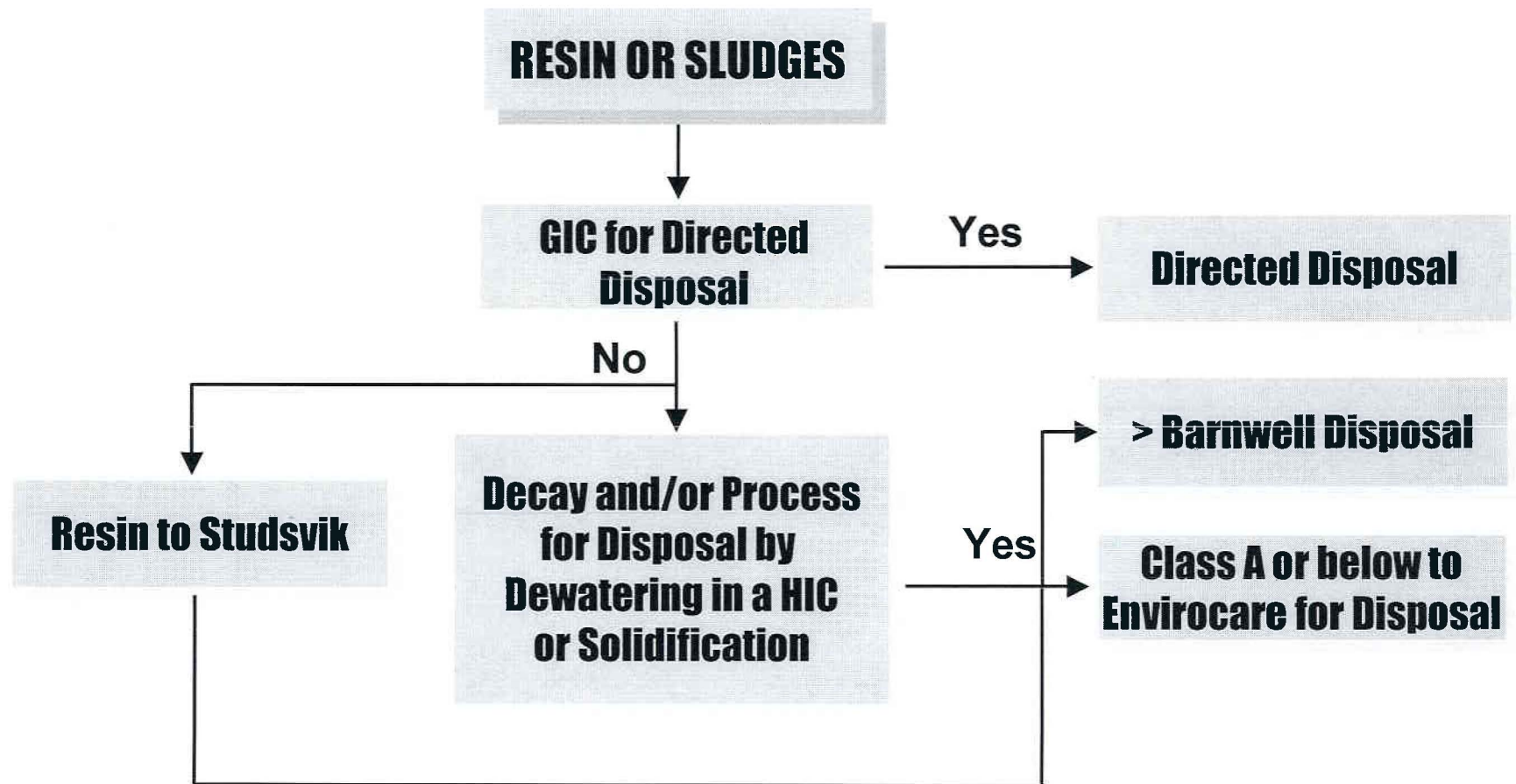
LLRW Waste Management Options for Metals



LLRW Waste Management Options for Liquids or Evaporator Concentrates



LLRW Waste Management Options for Resins or Sludges



LLRW Waste Management Options for Soils

