

WIT 2 MV DR NDE at 2%-2T thru 2 inch thick steel DOE Audit 12/9/98 @ NTS

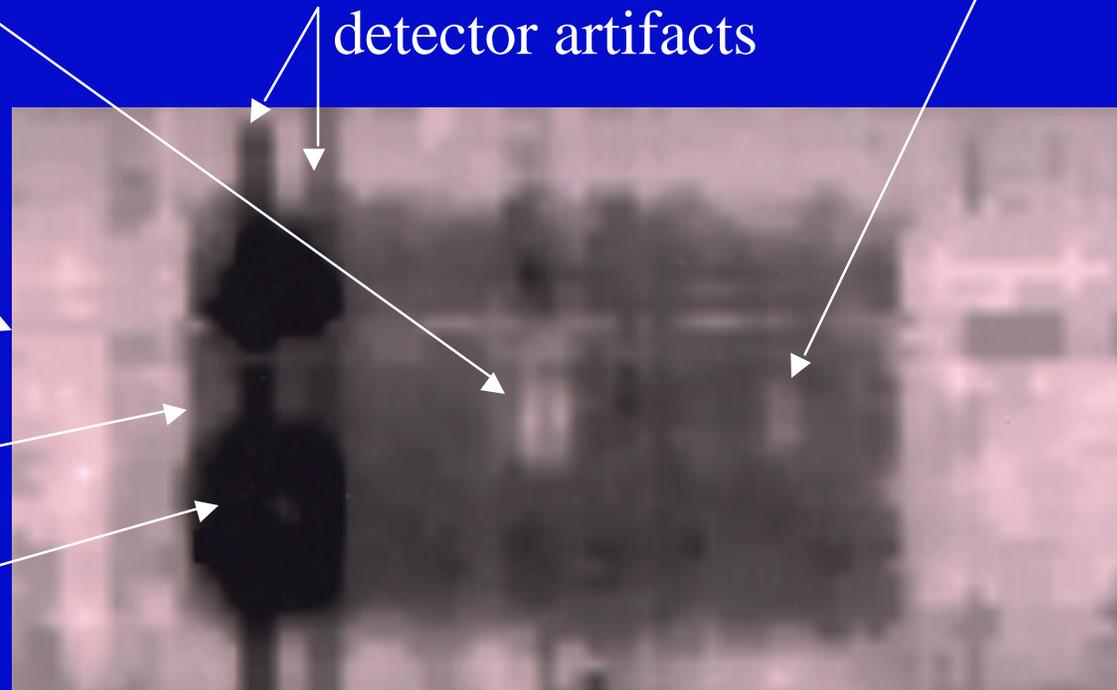
4T hole = 0.160 inch diameter

2T hole = 0.080 inch diameter

2 inch thick
steel block

0.040 inch thick
steel plaque

lead number 40

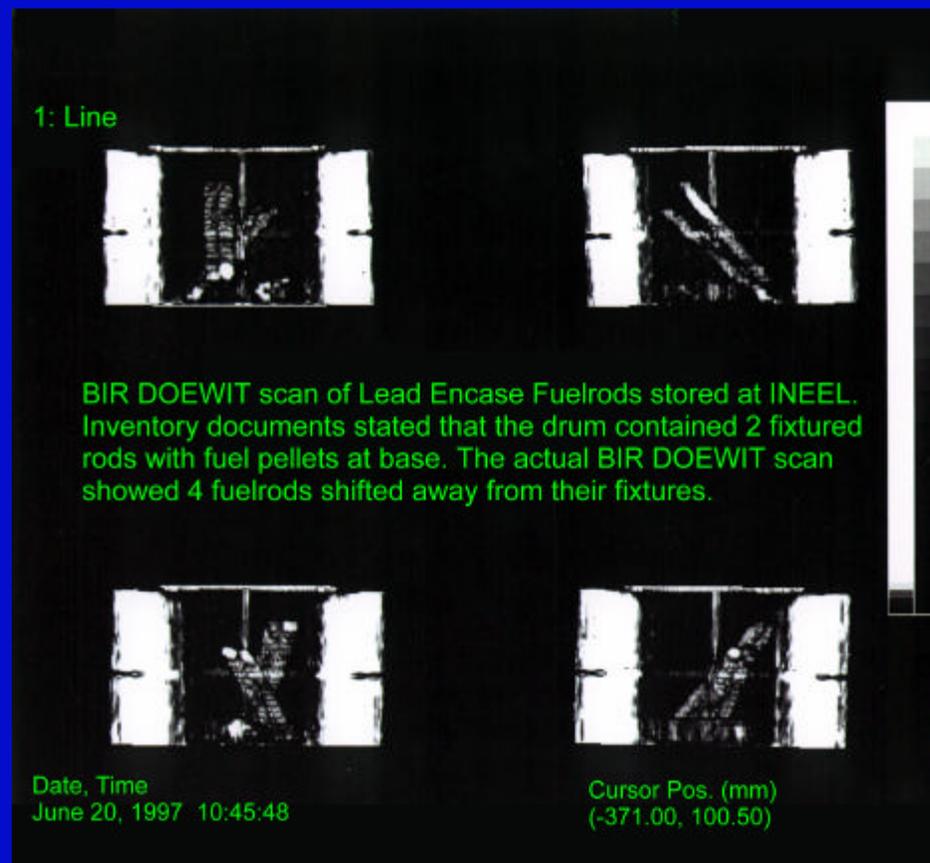


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WIT VR of 4 Unfixtured Ur Fuel Rods and Pellets in Lead-Pipe Over Pack



WIT 2 MV

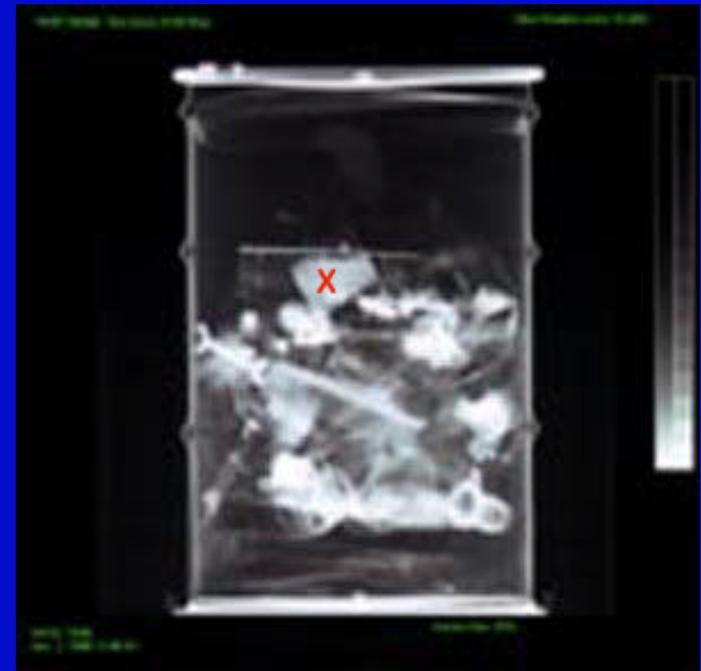
Digital Radiography (DR)

LLNL Real TRU Drum

SNL Phantom Drum



20 grams Pu-239 in cement



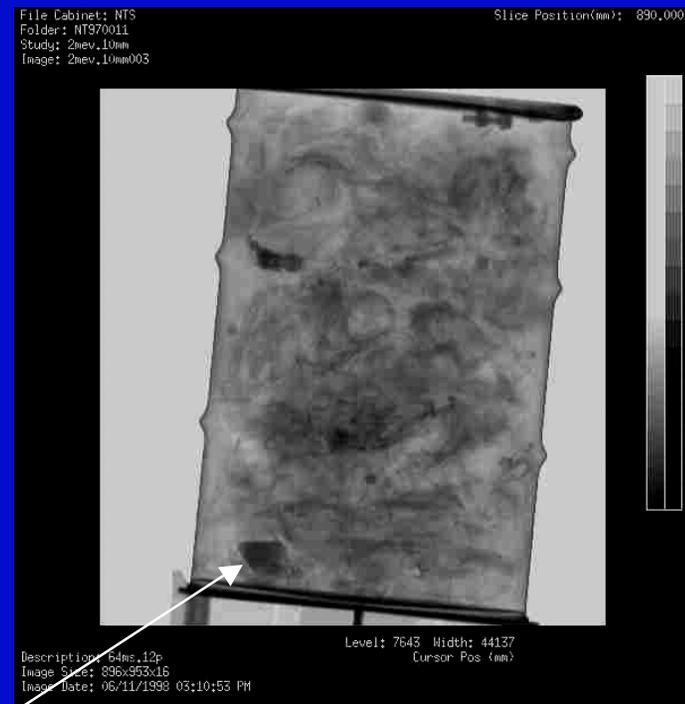
Free liquid in 1 gallon can

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WIT 2 MV NDE, 6/98, for TRU Repackaged NTS Combustibles



WIT CT

Free liquid in an aerosol can.

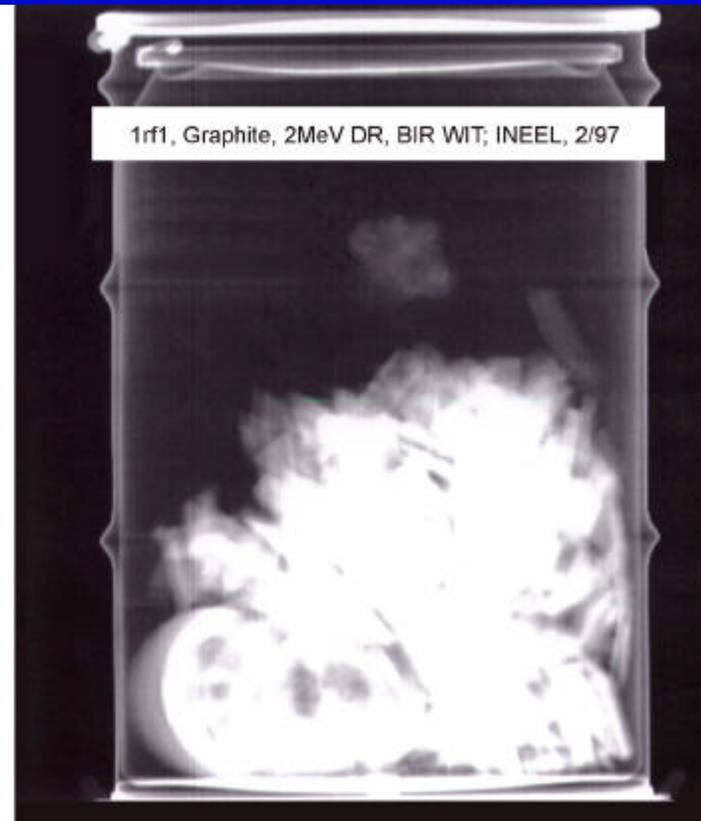
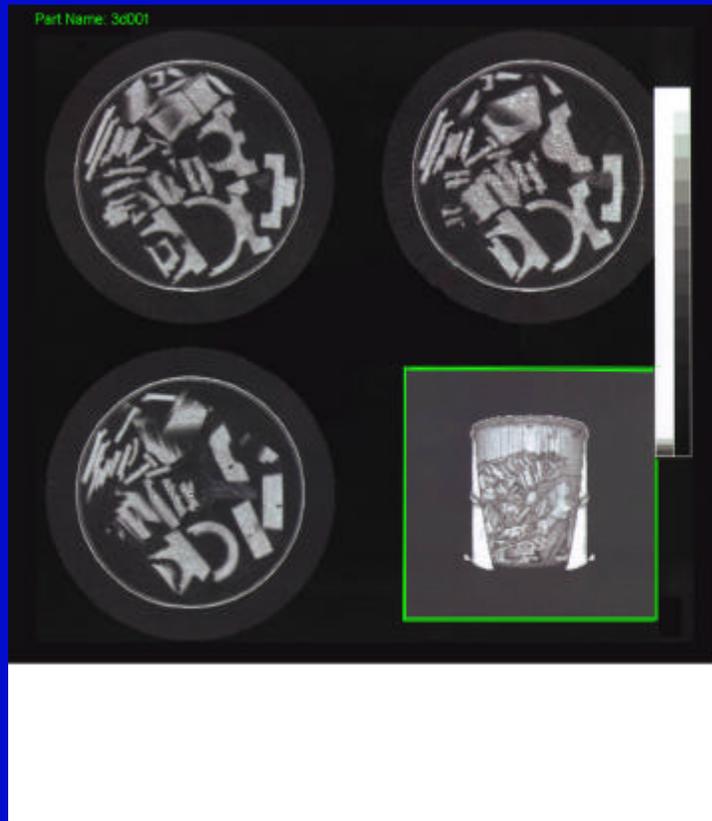
WIT Tilted DR

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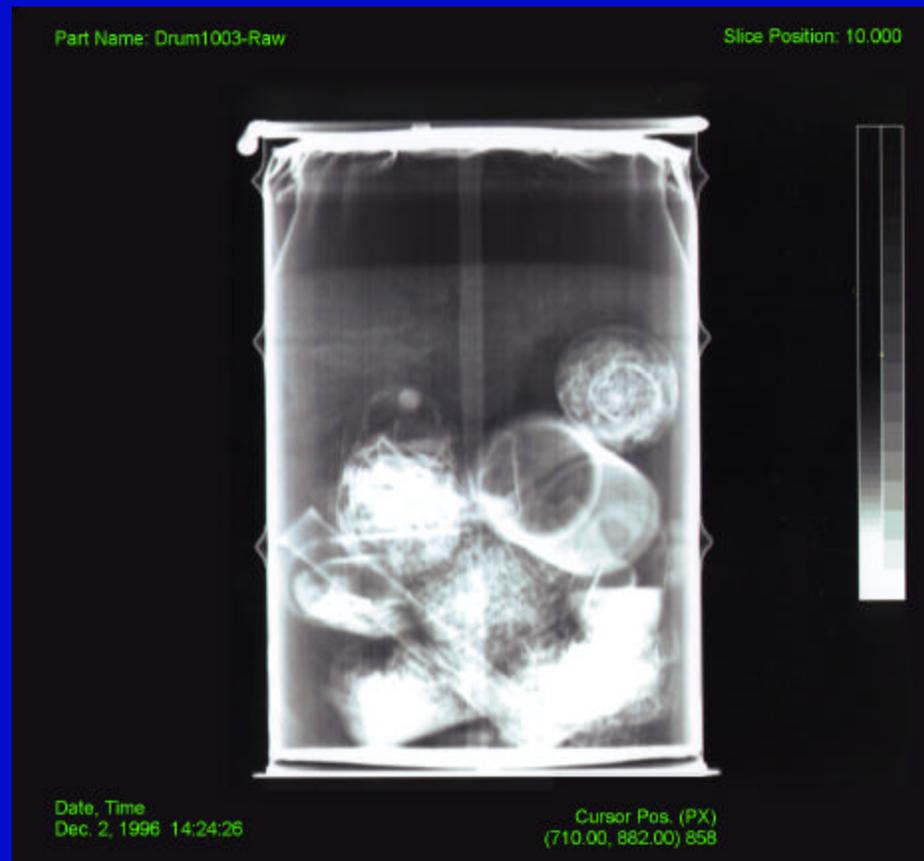
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WIT DR, CT, & VR of Graphite



WIT DR, Lead-Lined Lab Glass with Vermiculite



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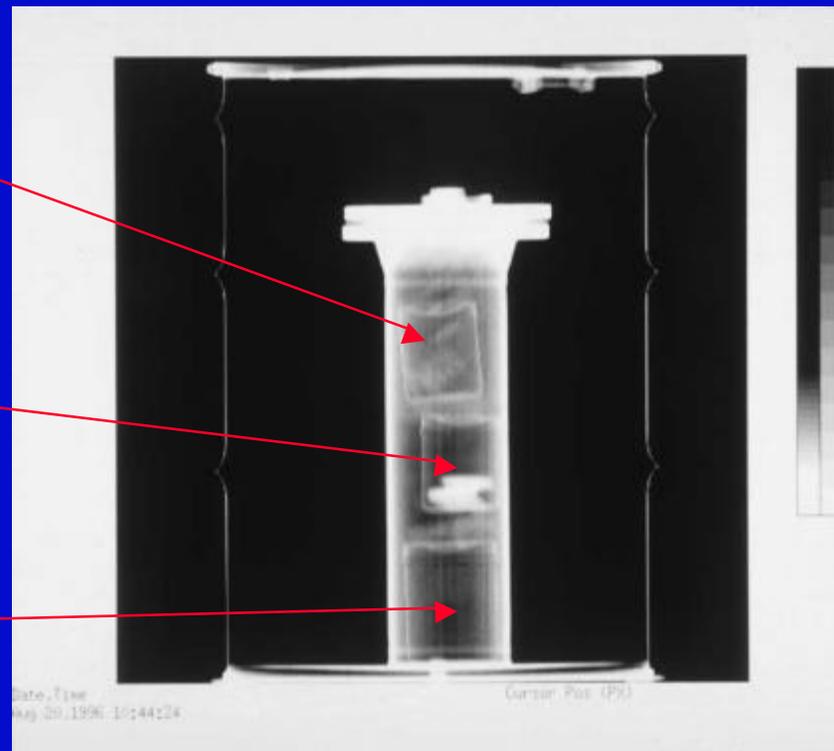
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WIT 2MV DR, Steel Pipe Over Pack from RFETS 7/96

Steel can with plastic
bags

Steel can with 3
aluminum plates

Empty steel can



2 MV WIT NDE for LLNL Solid TRU Sludge at NTS 9/98



Tilted DR for solids

Sludge

Crack

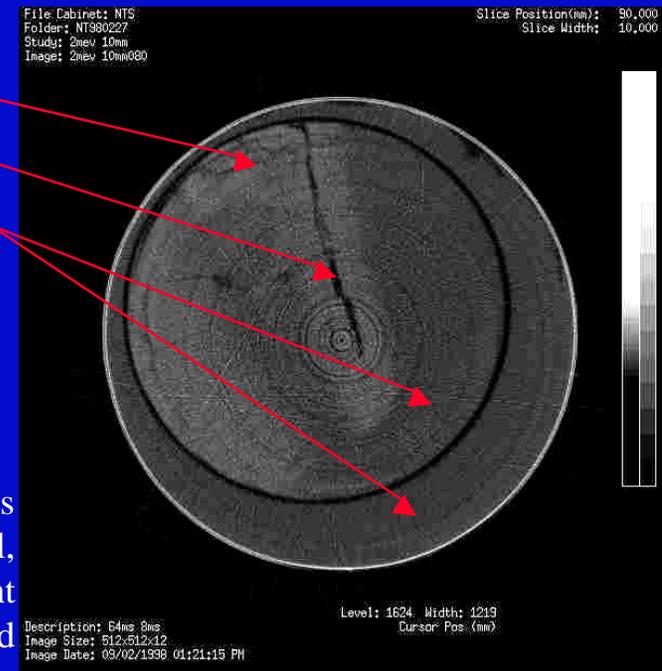
Cement

Metal Ring Clamps

Poly inner drum
& poly liner

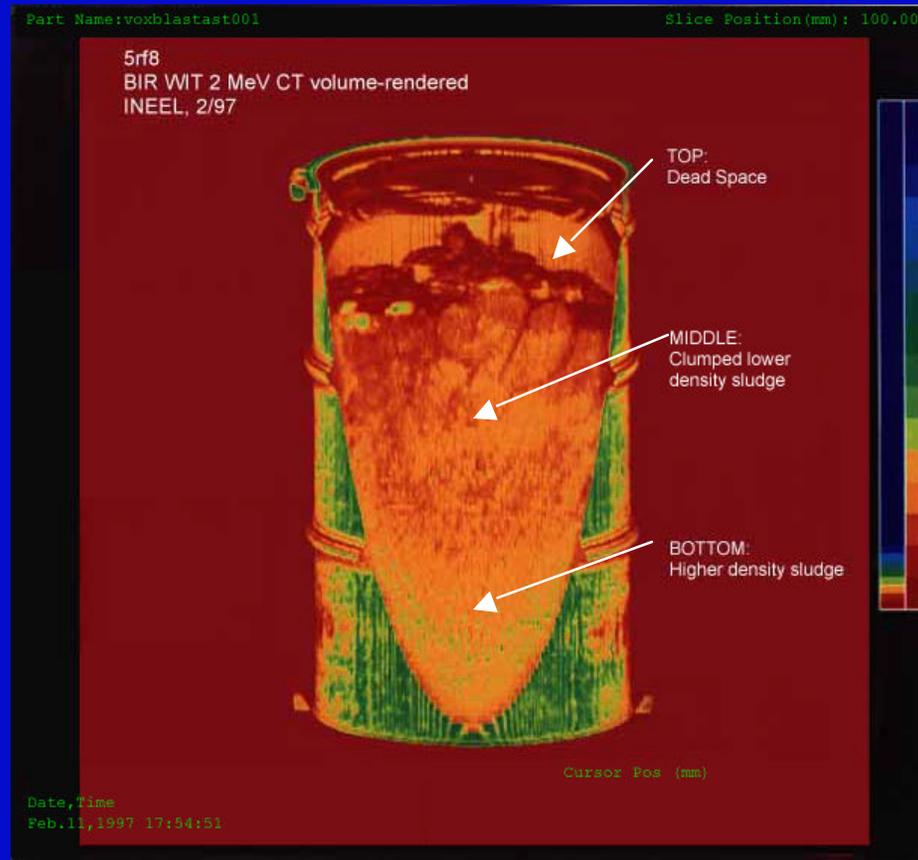
Metal outer drum

CT shows
poly, steel,
sludge, cement
densities and
sludge cracks

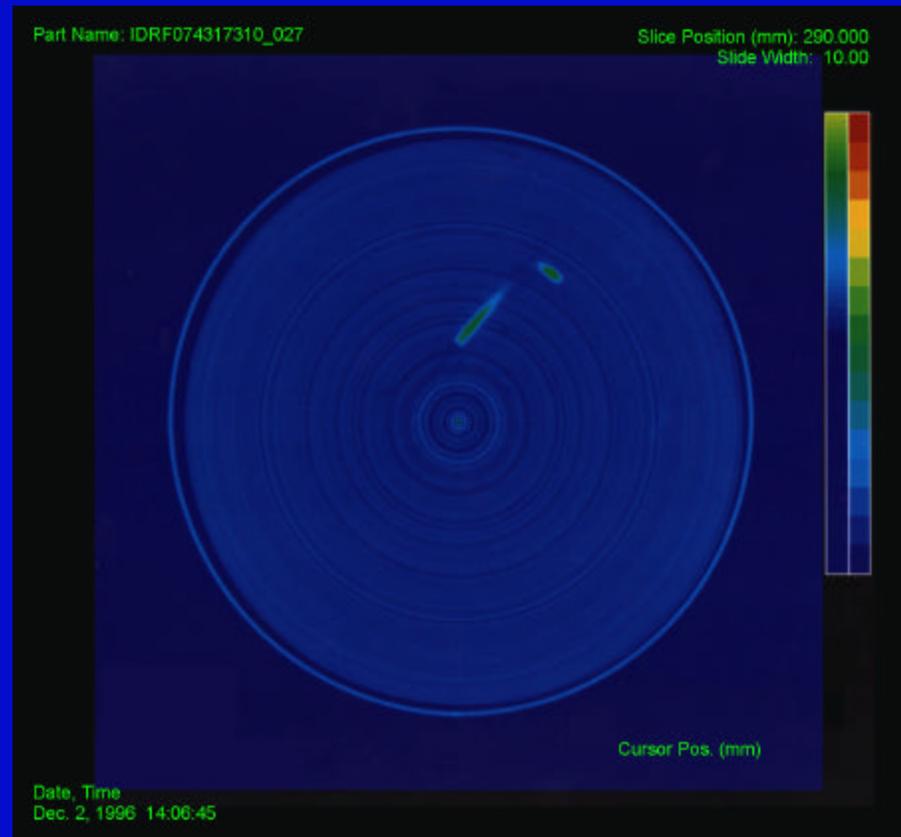


A 30 gallon poly drum with a poly liner cemented inside a 55 gallon steel drum. Solidified sludge is only in the inner drum.

WIT 2 MV CT Volume Rendered Cut-away of Sludge

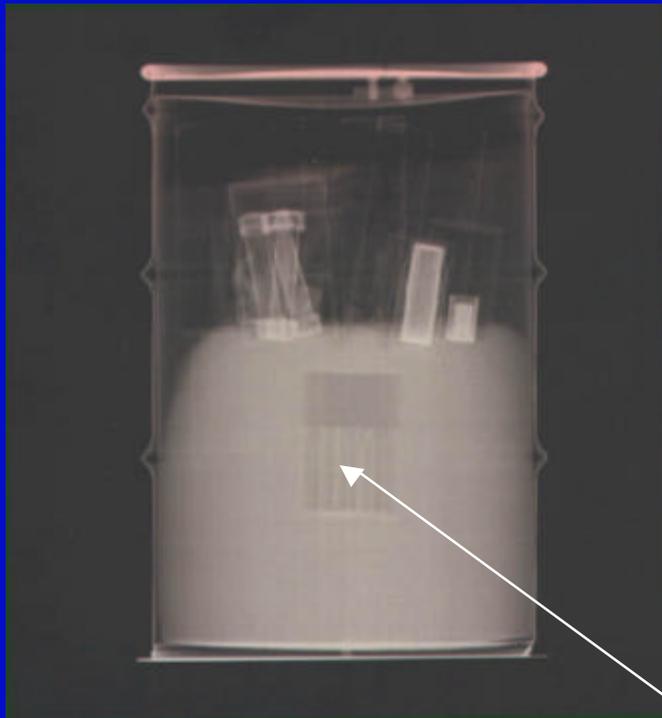


WIT 2 MV CT of Sludge Allen Wrench Indicated



Lab sources Fixtured and Shielded in Cement, NTS, 10/98

WIT 2 MV DR



Co-60

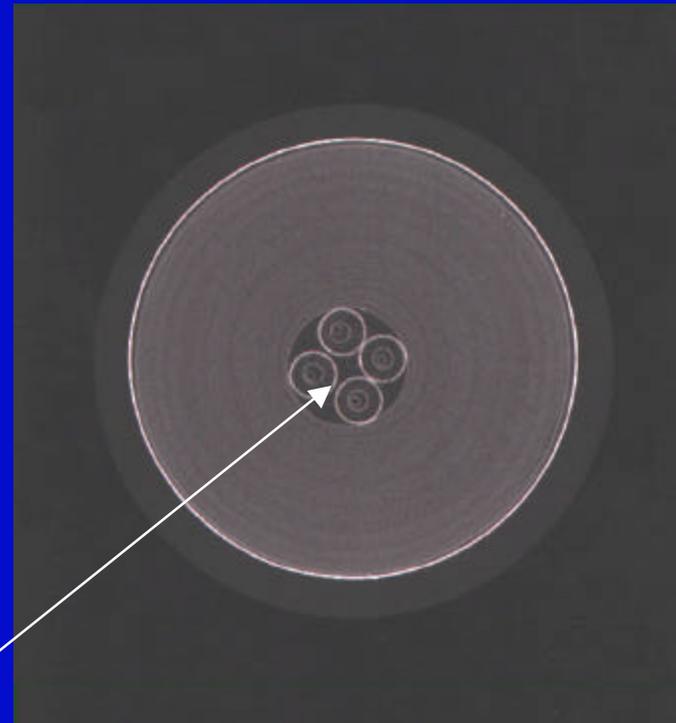
Cs-137

Cf-249

Cm-243

Am-241

WIT 2 MV CT



Four isotopic sources in cement (not inorganic sludge!)

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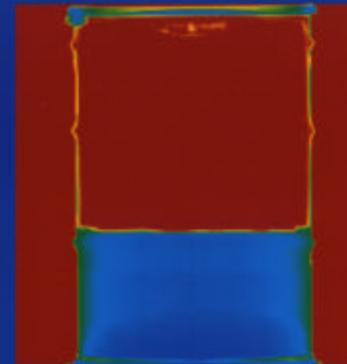
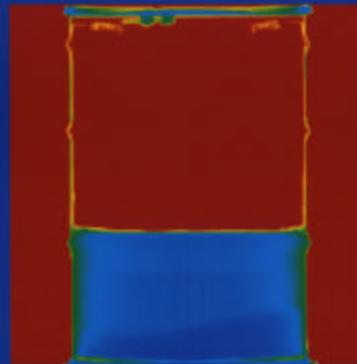
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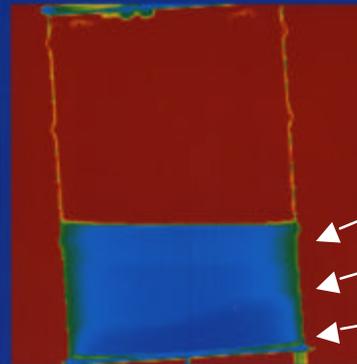
WIT DR With Tilt for Free Liquids

Normal DR



90 degree
drum
rotation

Tilted DR



-oil

-water

-sludge