

From: Haagenstad, Mark P
Sent: Thursday, September 11, 2014 2:01 PM
To: Kieling, John, NMENV; Hall, Timothy, NMENV; Briley, Siona, NMENV
Cc: Brandt, Michael Thomas; Sharp-Geiger, Raeanna Racine; Dorries, Alison Marie; Grieggs, Tony; Mousseau, Jeffrey David; George, Victoria A; Torres, Enrique; Nickless, David J; Turner, Gene E; Vigil-Holterman, Luciana R
Subject: Graphical Depiction of Container 68685
Attachments: C-NR-14-145, Attachment A_Graphical Depiction of 68685.pdf

Hello John, Tim, and Siona:

As LANL and NMED-HWB have discussed previously, attached for your review is a graphical depiction of Container 68685. Please contact me if additional information would be helpful. Thanks!

Mark Haagenstad
(505) 699-1733

Graphical Depiction of 68685 with Annotation

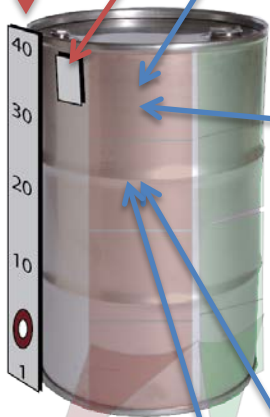
This file best viewed simultaneously with the RTR video as 3D images are much more apparent during movement and rotation.

The drum scan took place in eight segments: four down the center of the drum (with rotation) and four down the side (with rotation). The location screen shots is noted on the drum cartoon.

Center of drum, 1st and 2nd pass

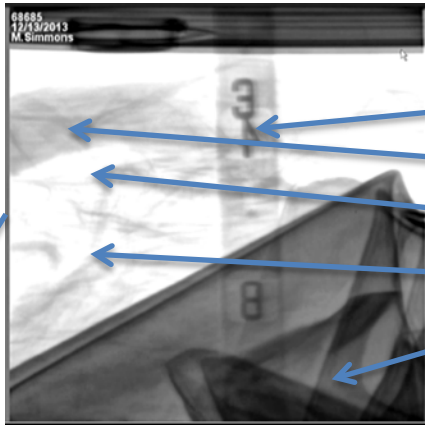
Height gauge
With lead letters

Calibration device



X-Ray center

X-Ray side



4 sec on video

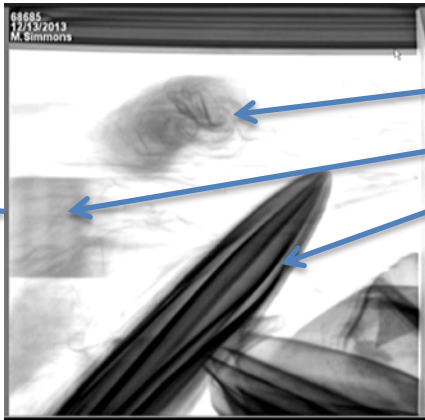
Gauge (external)

Horse tail

Bag material

Absorbent & nitrate salts

Lead sheeting

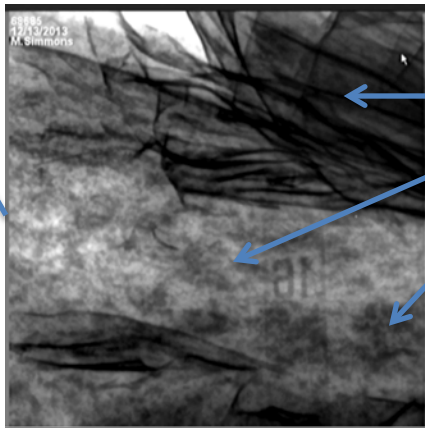


21 sec on video

Horse tail

Calibration device (external)

Lead sheeting

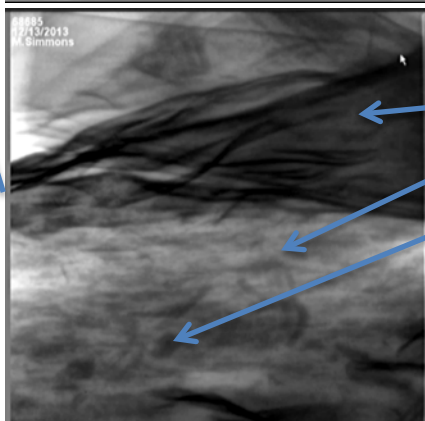


43 sec on video

Lead sheeting

Absorbent, nitrate salts

Lead chunks



1.06 min on video

Lead sheeting

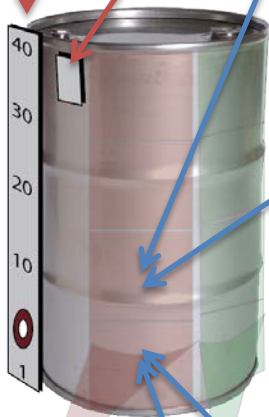
Absorbent, nitrate salts

Lead chunks

Center of drum, 3rd and 4th pass

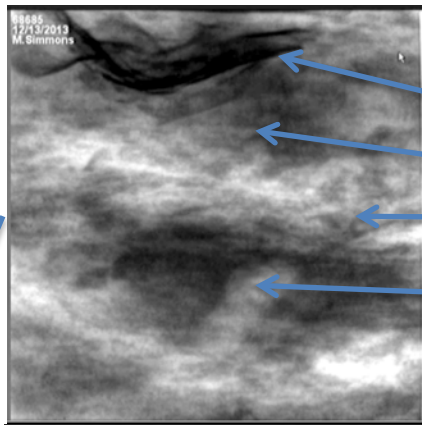
Height gauge
With lead letters

Calibration
device



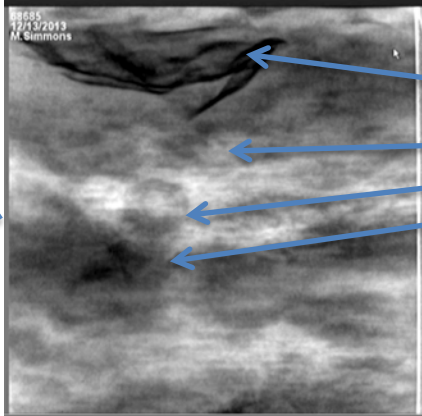
X-Ray
center

X-Ray
side



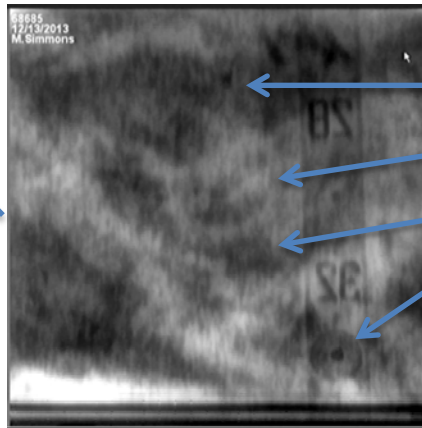
1.37 min on video

Lead sheeting
Absorbent & nitrate salts
Scrap lead
Horse tail



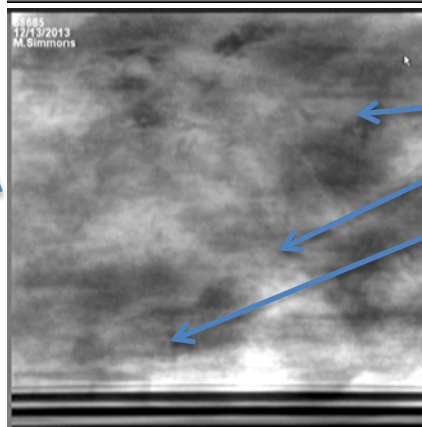
1.40 min on video

Lead sheeting
Absorbent & nitrate salts
Horse tail
Scrap Lead



2.05 min on video

Lead chunks
Plastic bags
Absorbent, nitrate salts
External magnet to hold gauge



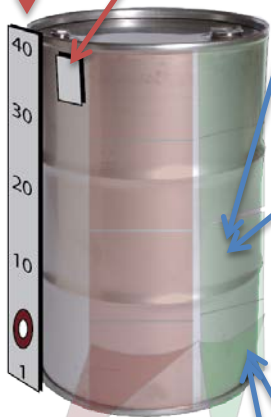
2.16 min on video

Lead sheeting
Absorbent, nitrate salts
Lead chunks

Side of drum, 3rd and 4th pass

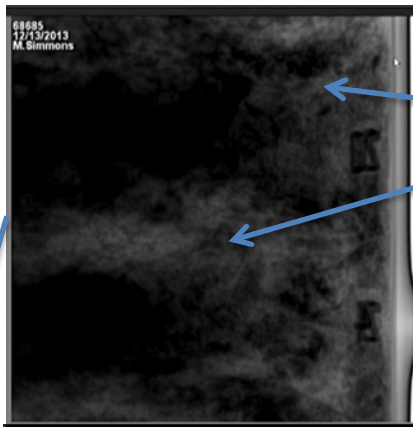
Height gauge
With lead letters

Calibration
device



X-Ray
center

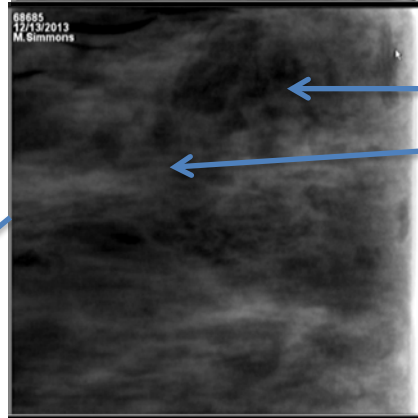
X-Ray
side



3.34 min on video

Lead chunks

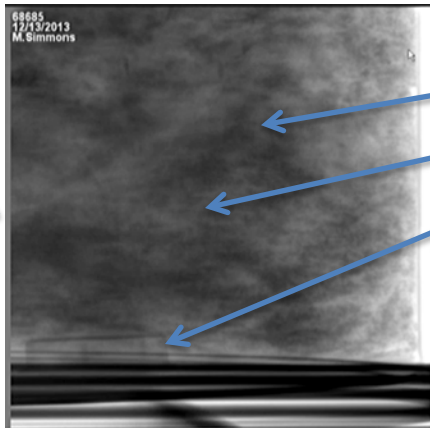
Absorbent & nitrate salts



3.24 min on video

Lead chunks

Absorbent & nitrate salts

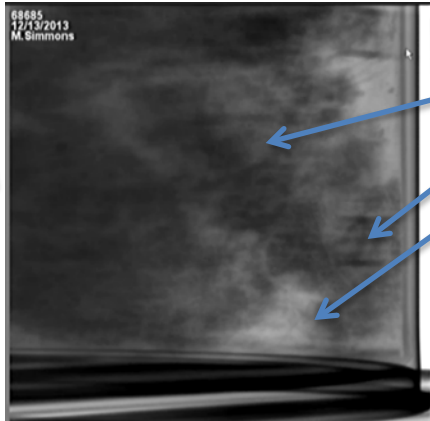


2.53 min on video

Horse tail

Absorbent, nitrate salts

Can lid



2.39 min on video

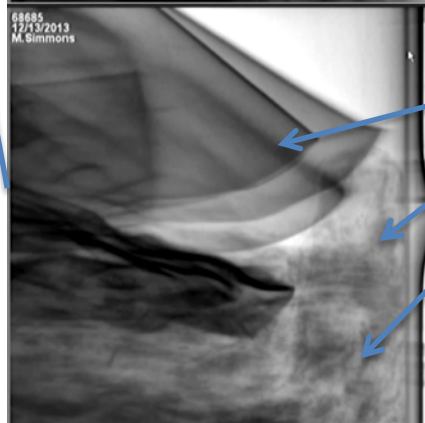
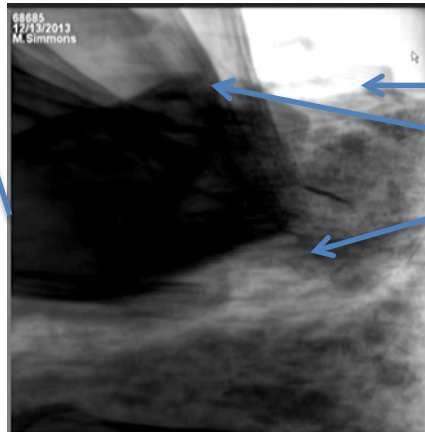
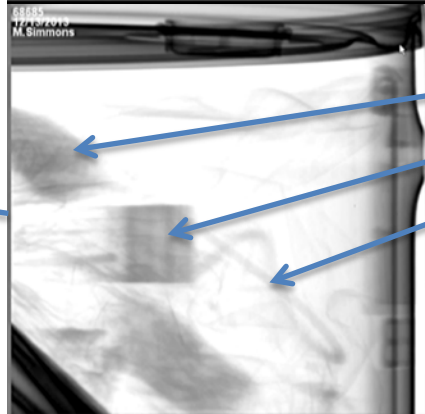
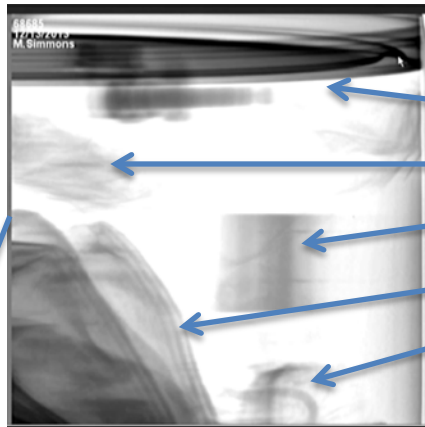
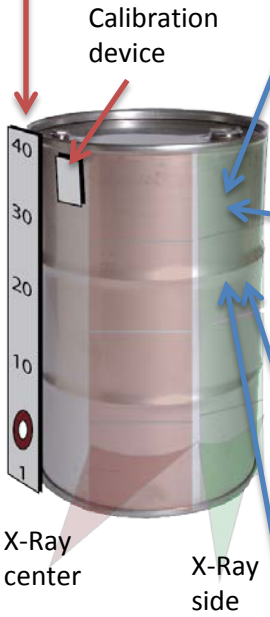
Absorbent, nitrate salts

Lead chunks

Horse tail

Side of drum, 5th and 6th pass

Height gauge
With lead letters



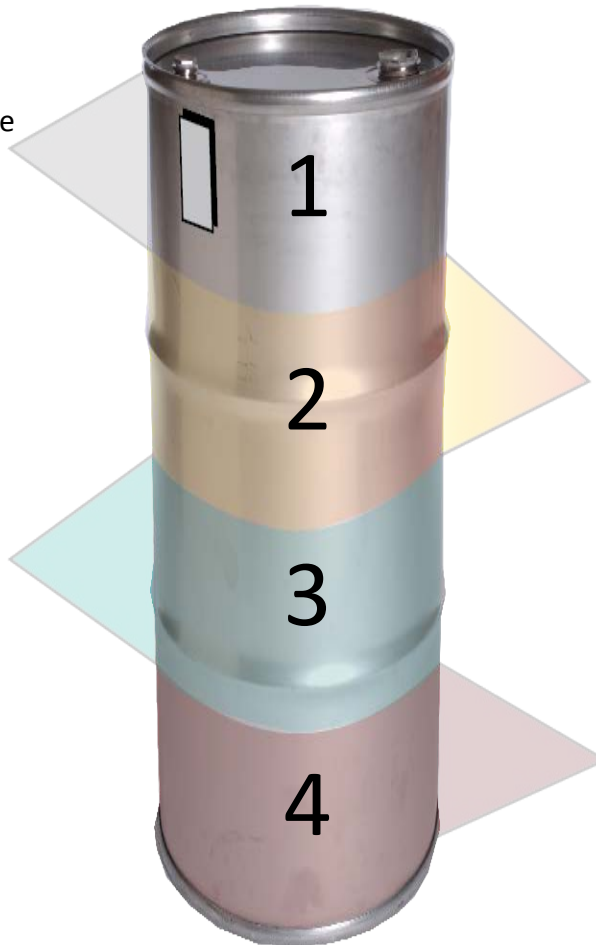
Summary of drum layers

1 – primary contents

- Gauge (external)
- Calibration device (external)
- Horse tails
- Bag material
- Absorbent & nitrate salts
- Lead sheeting
- Elastic bands

3 – primary contents

- Absorbent & nitrate salts
- Lead chunks
- Lead sheeting
- Horse tail



2 – primary contents

- Absorbent & nitrate salts
- Can lid
- Lead chunks/scrap metal
- Lead sheeting

4 – primary contents

- Absorbent & nitrate salts
- Lead chunks
- Horse tail
- Magnet (external)
- Can lid