



## **Idaho Treatment Group**

*Advanced Mixed Waste Treatment Project*

*Sept. 20, 2013 Fire Event*

*Citizens Advisory Board  
Danny Nichols  
President and Project Manager  
Idaho Treatment Group  
October 30, 2013*



## *Treatment Facility Box Line Event*

- Event happened at 3:20 p.m. on Sept. 20, 2013 in the Treatment Facility North Box Line
- Occurred during remote operations in the west trough
- INL Fire Department responded and observed
- Fire lasted ~two hours; embers lasted ~five more hours
- CO<sub>2</sub> line fire suppression line separation



*Box Line cell entry*



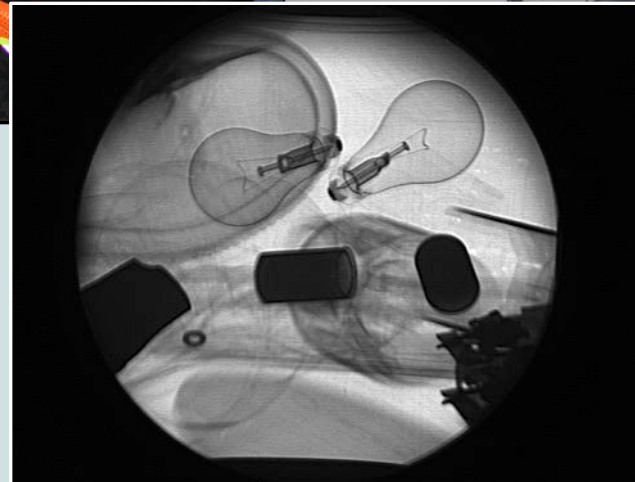
# Characterization Capabilities

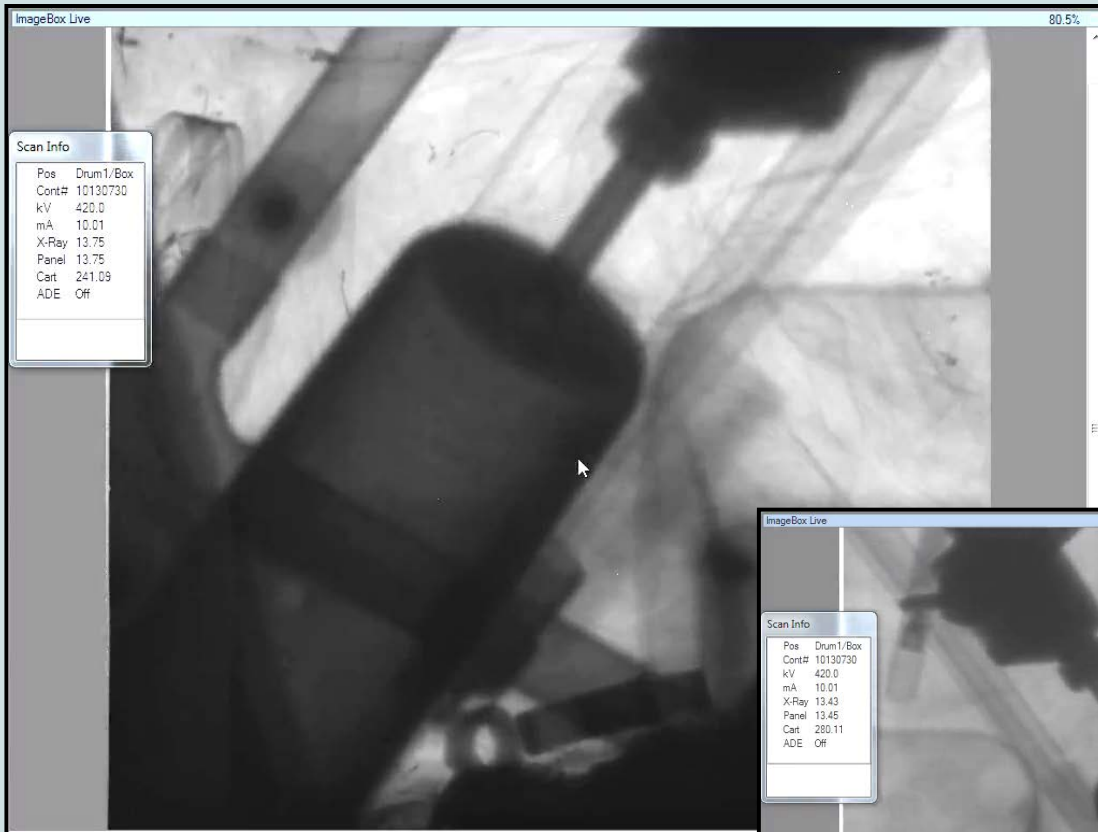
## Three Radiography Units

- Two capable of either one box or four drums
- One capable of either one box or three drums

## Eight Radioassay Units

- Two drum units (WAGS and SGRS)
- Two drum units and one box unit (RBAS)
- Two drum units in Treatment Facility
- One mobile box unit (SuperHENC) operated by CCP





X-Ray of Argon East AE-100 Bin, showing canisters and tubing thought to be the source of the fire.







7 Camera 07





View of North Box Line processing trough after fire event.





## *No Surprises*



- Box line designed for this type of event; no employee injured, no release of radiation no damage to facility
- Personnel responded as trained, and facility performed as designed
- Event demonstrated best location in DOE complex for handling and treating difficult waste is AMWTP

