



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
- CO₂ line fire suppression line separation



Box Line cell entry



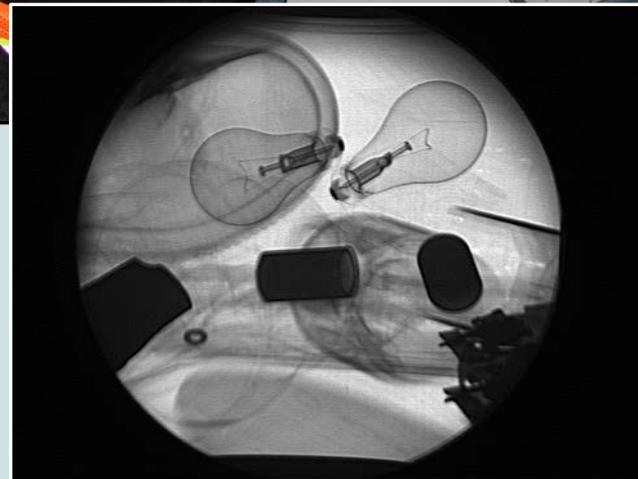
Characterization Capabilities

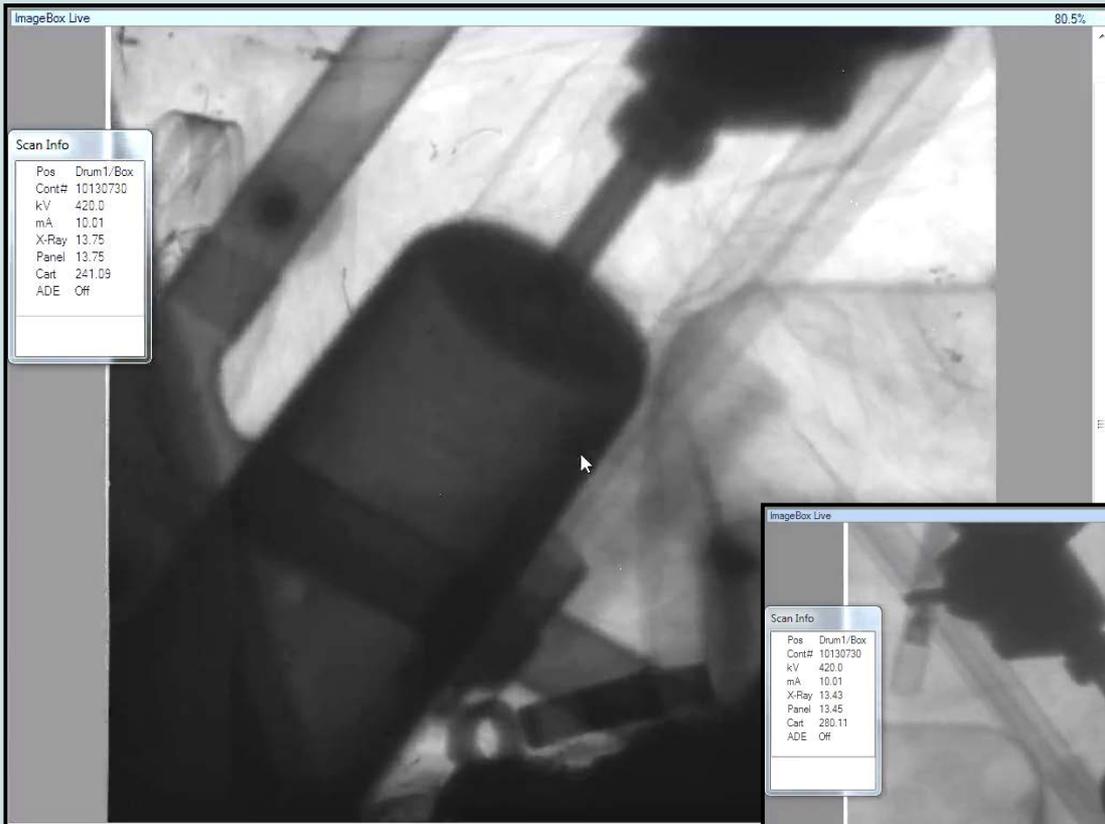
Three Radiography Units

- 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.



ITG Idaho Treatment Group



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

