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President/Member

Presented by Salina Savage

LOGISTICS, LLC

ABOUT SAVAGE LOGISTICS

- Formation 2007
- Owners; Barbara Stone & Salina Savage
 - ➤ Women Owned, SBA 8(a) Certified
- Specialized in Transporting
 - ➤ Hazardous Material, including RAM and Mixed Waste
- Equipment
 - ➤ Over 90 Commercial Motor Vehicles
- Warehousing
 - ➤ Over 35,000 Square Feet
- Major Customers
 - ➤ DOE, US Ecology, Seattle Tunnel Partners, Perma-Fix, AREVA, Energy Northwest, Battelle, Lining Precast



ABOUT SAVAGE LOGISTICS

Customers with Specialized Services



Seattle Tunnel Partners



US Ecology



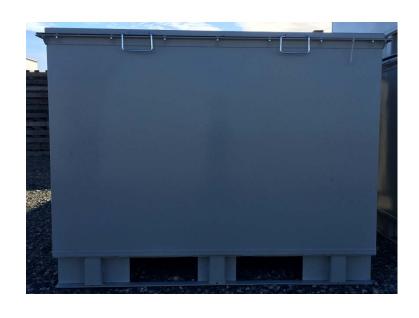
Department of Energy



Energy Northwest



• B-25 Box (IP-1, IP-2, or Type A)



Difficult to Adequately Tie-Down for Transport



- B-25 Box (IP1, IP2, or Type A)
 - Box was Engineered and Designed:
 - Pressure-Strain on Lid, Bottom and Side
 - Drop-Tested
 - Leak Proof
 - Structural Analyzed
 - When Loaded Deformation
 - Lacks Design for Transport



- Per 49CFR 173.410, General Design Requirements

 (a) "Package can be easily handled and properly secured in or on a conveyance during transport"
- Issues
 - No Tie-Down Points for Transport
 - No D-Rings or Tie-Down Point for Chains or Straps
 - Lid Design Uneven with Sharp Edges



• Lid has Uneven Sharp Edges, Bolts, and Handles Protruding



Full Size View of Box



Handle on Lid



Lid of Box



- Savage Logistics Resolution to Cargo Shifting
 - Flexible Rubber or Nylon Edge Protectors
 - Friction Mats
 - Aluminum Blocking Device (a.k.a. Chuck Stop)



- Flexible Rubber or Nylon Edge Protectors
- Friction Mat







Aluminum Blocking Device (a.k.a. Chuck Stop)







Secured for Transport





Questions ?????



