SEERELY ROAD
REACTIVE METAL DRUMS
2016 INDIANAPOLIS, INDIANA
INITIAL FIRE SMOKE PLUME
REACTIVE METALS FIRES ARE SPECTACULAR
Potassium Metal

NaK Alloy Liquid at room temperature

61% Potassium

31% Sodium

Forms superoxides when exposed to air

Forms caustic precipitate
NaK Alloy Drum
Thermal Imaging

Drum two thirds full
Exothermic Reaction

Molten Material flowing from breach in drum. Precipitated over time.
Metal Salts Formation
Containment Shelter Damage Due To Corrosive Vapors

Inner vegetation shelter melted away by caustic vapor from drum activity / reaction.
Treatment Tent 100% Nitrogen Atmosphere
Proximity Suites Inner Layer
Video Monitoring of Operations
Residual NaK Reaction
Potassium Metal Packaging (5# K per 5 Gallon Bucket Containing Mineral Oil)
NaK Residual Reaction

Residual NaK (Sodium-Potassium Alloy)
100 ml reaction at Seerley Rd
99% Hg/ 1% Li Reaction Vessel
THE END