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

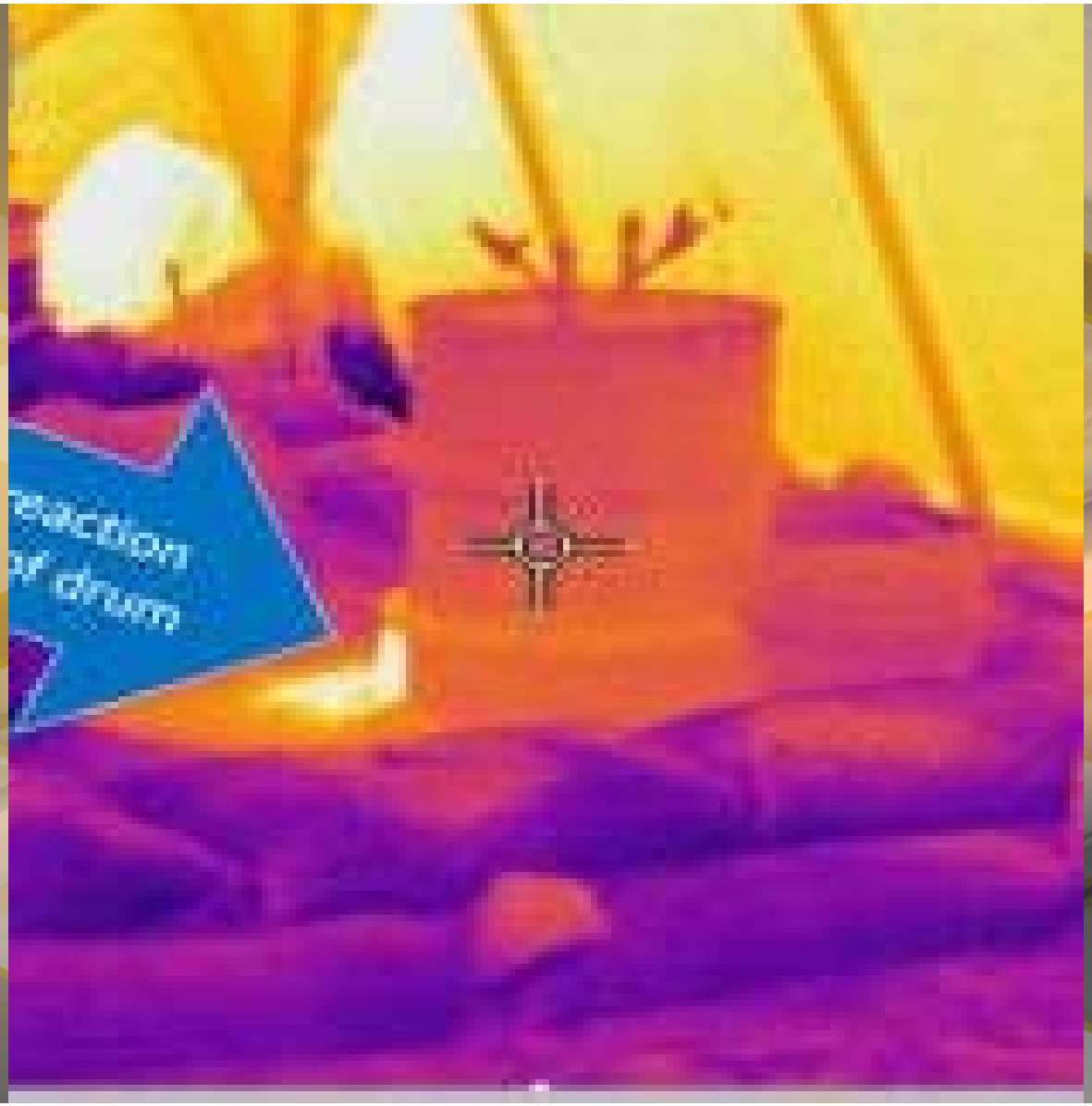
Forms caustic precipitate

Drum ID KEY

NaK Alloy Drum

Thermal Imaging

Drum two thirds full



Exothermic Reaction

Molten Material flowing from breach in drum. Precipitated over with time

Metal Salts Formation

Containment Shelter Damage Due To Corrosive Vapors

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

99% Hg/ 1% Li Reaction Vessel

THE END