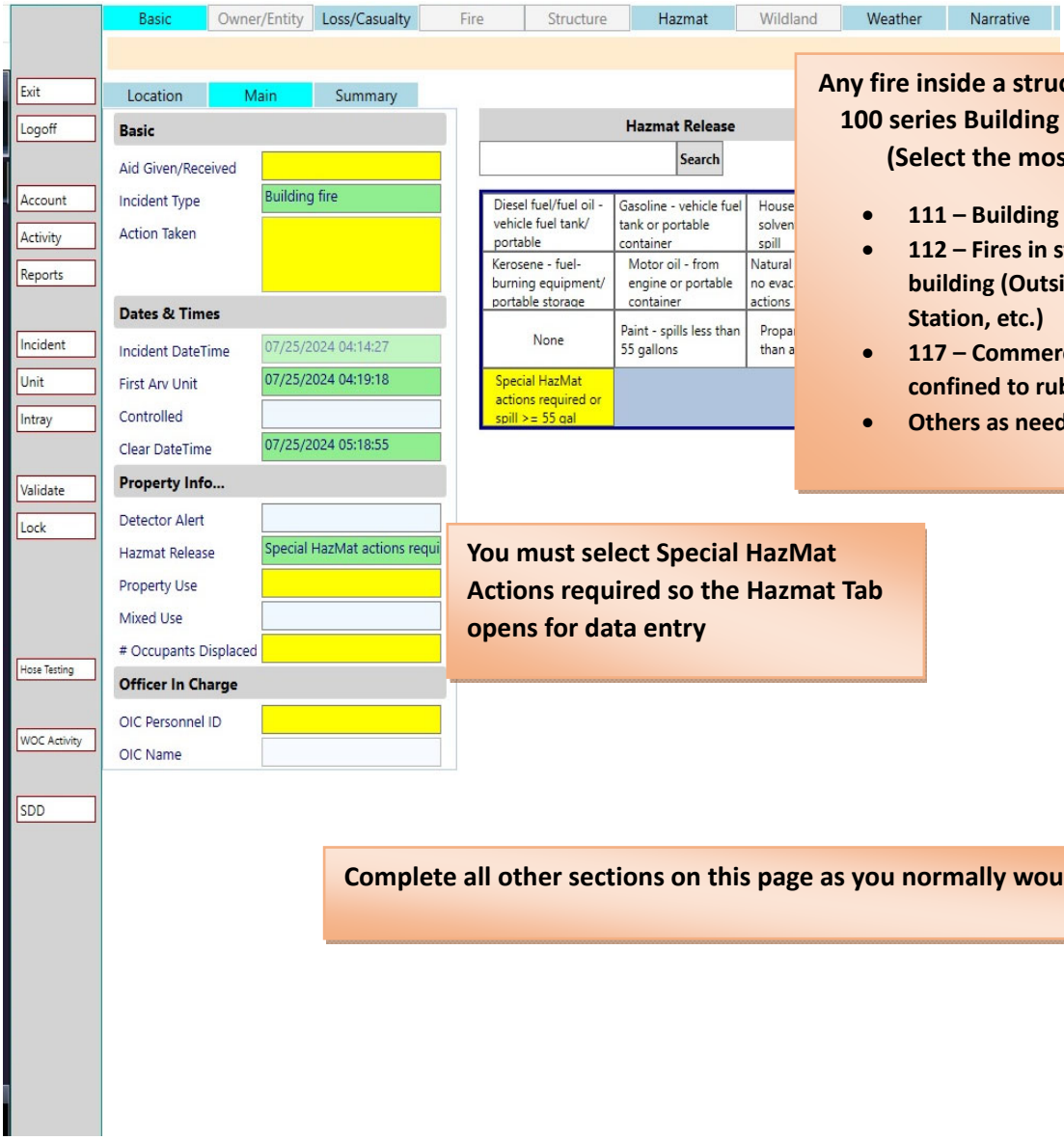
Fire App Incident Reporting for Li-Ion Battery Incidents

Battery was the Cause of Fire or Experienced Thermal Runaway



Any fire inside a structure is coded as the 100 series Building Fire incident type. (Select the most appropriate)

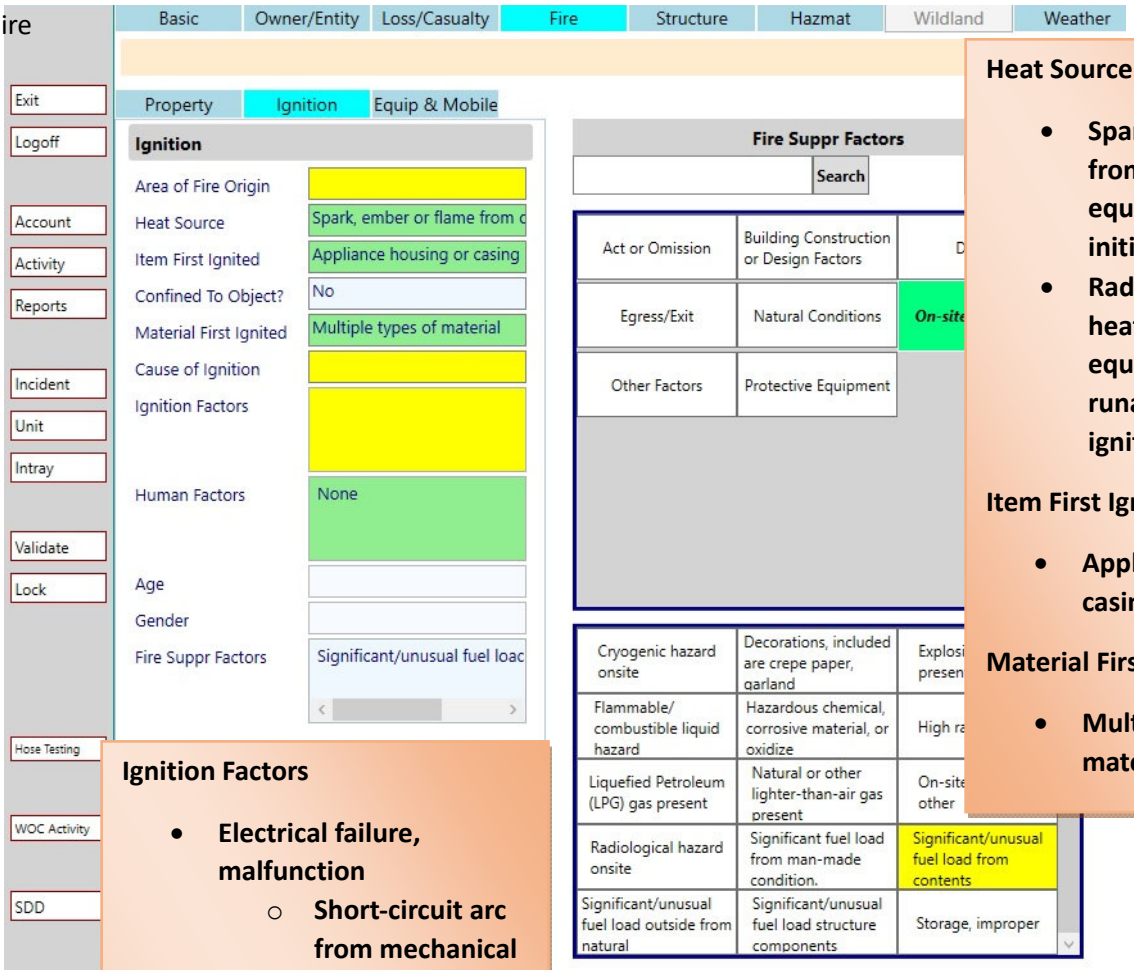
- **111 – Building Fire**
- **112 – Fires in structure other than a building (Outside BESS, EV Charging Station, etc.)**
- **117 – Commercial compactor fire confined to rubbish**
- **Others as needed**

You must select Special HazMat Actions required so the Hazmat Tab opens for data entry

Complete all other sections on this page as you normally would

Fire App Incident Reporting for Li-Ion Battery Incidents

FIRE PAGE – IGNITION TAB



Heat Source

- **Spark, ember or flame from operating equipment (battery initiated fire)**
- **Radiated, conducted heat from operating equipment (thermal runaway without ignition**

Item First Ignited

- **Appliance housing or casing**

Material First Ignited

- **Multiple types of material**

Ignition Factors

- **Electrical failure, malfunction**
  - **Short-circuit arc from mechanical damage**
  - **Unspecified short-circuit arc**
- **Operation Deficiency**
  - **Collision, knock down, run over, turnover**
  - **Equipment not operated properly (I.e. overcharged)**
  - **Operational deficiency, other**

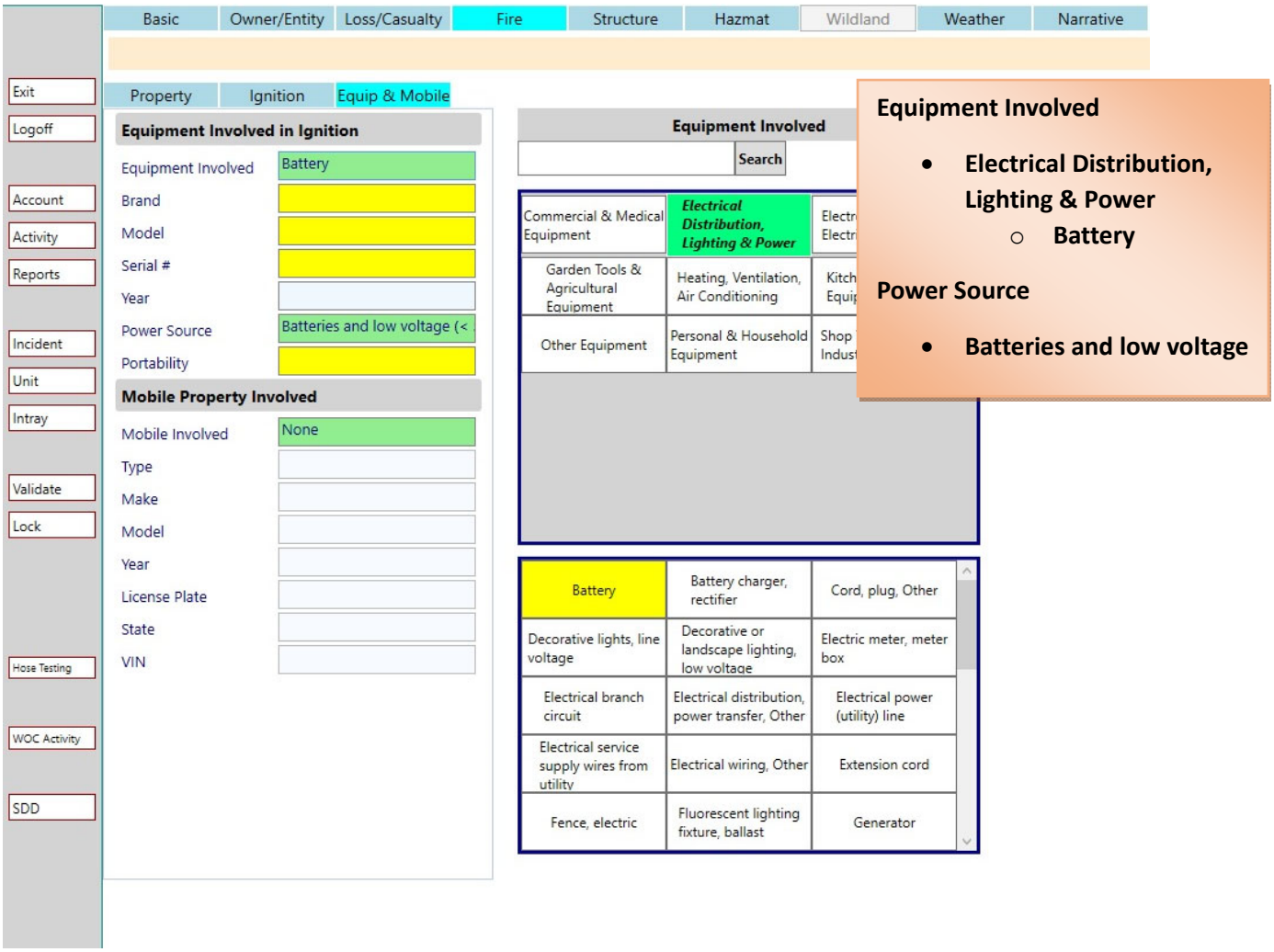
Fire Suppression Factors

- **Significant/unusual fuel load from contents**

Fire App Incident Reporting for Li-Ion Battery Incidents

FIRE PAGE – EQUIPMENT INVOLVED IN IGNITION

Complete for all Lithium-Ion Battery Incidents



Equipment Involved

- **Electrical Distribution, Lighting & Power**
  - **Battery**

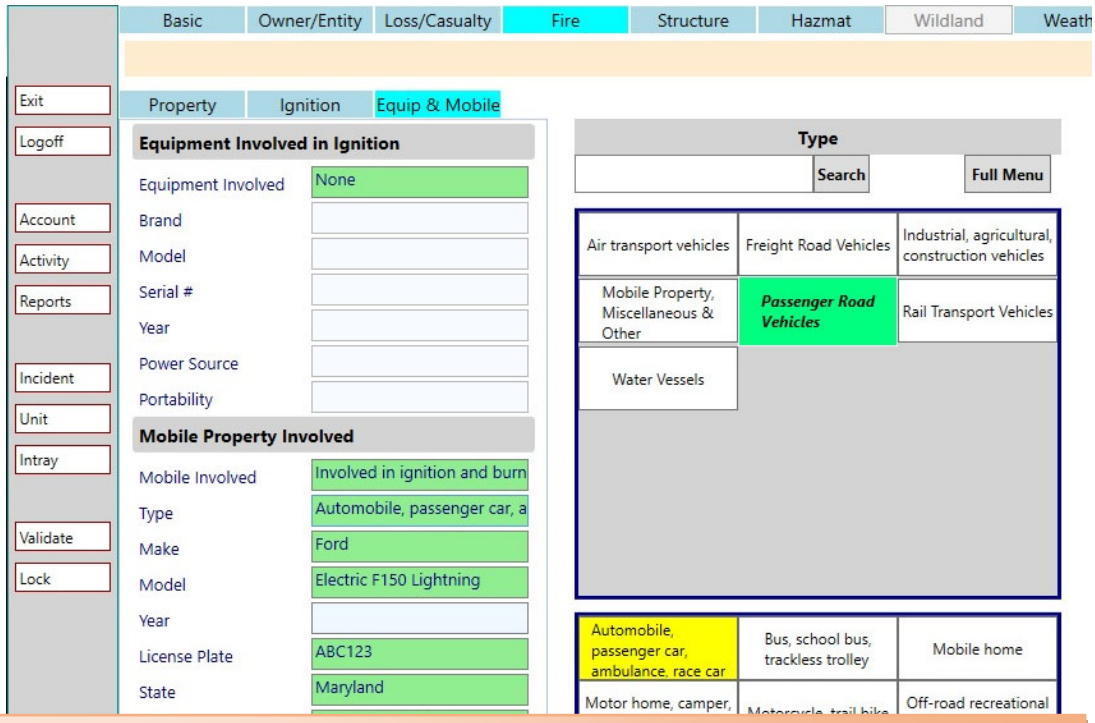
Power Source

- **Batteries and low voltage**

Fire App Incident Reporting for Li-Ion Battery Incidents

FIRE PAGE – MOBILE PROPERTY INVOLVED IN IGNITION

COMPLETE IF ELECTRIC VEHICLE, HYBRID VEHICLE OR OTHER TRANSPORTATION DEVICE WAS THE IGNITION SOURCE (I.e. E-Scooter/Bike)



Mobile Involved

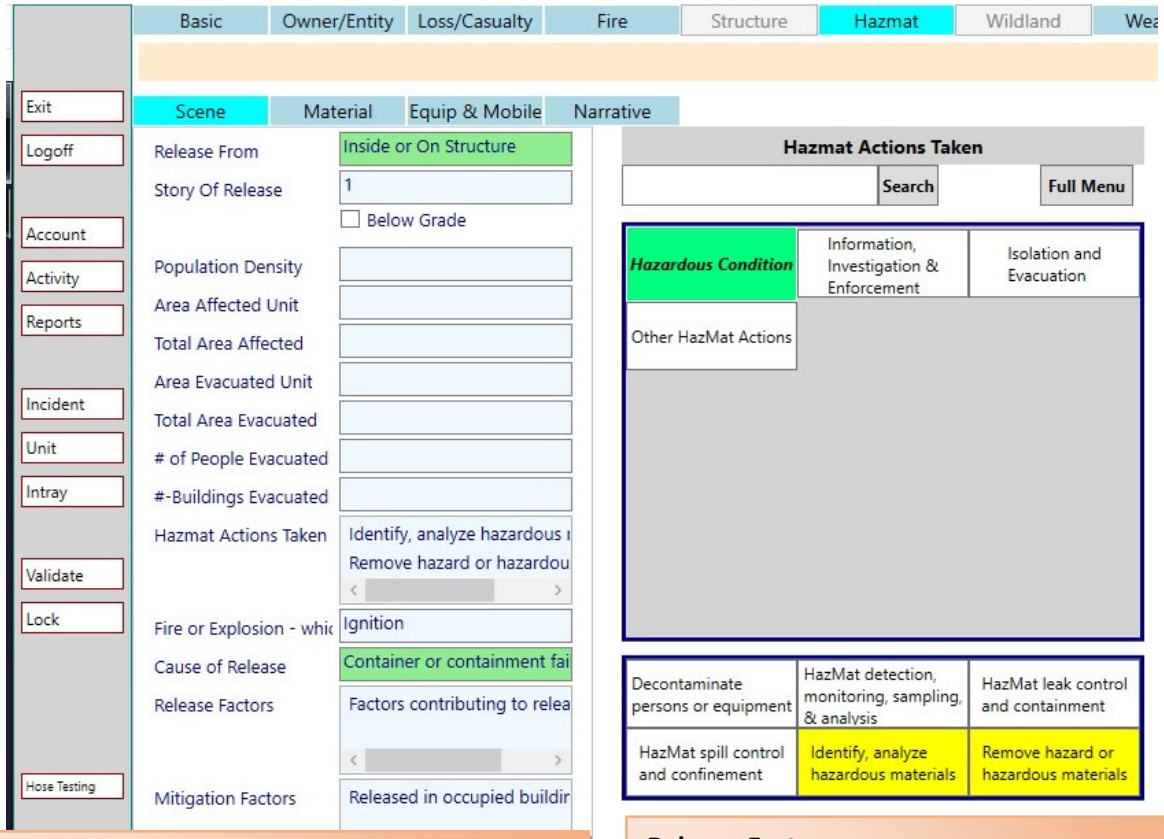
- Passenger Road Vehicles
  - Automobile, passenger car
  - Bus, school bus, trackless trolley
  - Motorcycle, trail bike
  - Off-road recreational vehicle – I.e. – Ebike, E-scooter, etc.
  - Passenger road vehicle, Other
- Freight Road Vehicles
  - Garbage, waste, refuse truck
  - General use truck, dump truck, fire apparatus
  - Hauling rig, pickup truck
  - Trailer-semi, designed for freight I.e. – EV tractor trailer and BESS trailer
- Mobile Property, Miscellaneous & Other
  - Home, garden vehicle
  - Shipping container, mechanically moved I.e. – BESS container

Model

- **Type Electric or Hybrid prior to the actual model name (I.e. Electric Model 3, Hybrid Leaf, etc.)**

Fire App Incident Reporting for Li-Ion Battery Incidents

HAZMAT PAGE – SCENE TAB



Release From

- Inside or on structure

Hazmat Actions Taken – select all of these as necessary

- Hazardous Condition
  - Identify, analyze hazardous materials
  - Remove hazard or hazardous materials
- Information, Investigation & Enforcement
  - Investigate
  - Notify other agencies (I.e. – MDE)
- Isolation and Evacuation
  - Isolate area & establish hazard control zones
  - Protect-in-place operations

Fire or Explosion – which occurred first

- Ignition (actual fire)
- Release (thermal runaway event with vapor and no fire)
- Undetermined

Cause of Release

- Container or containment failure

Release Factors

- Operational deficiency
  - Collision, overturn, knockdown
  - Equipment not being operated properly
  - Equipment overload
- Mechanical failure, malfunction
  - Short-circuit, ground fault
  - Other electrical failure

Mitigation Factors – select most appropriate

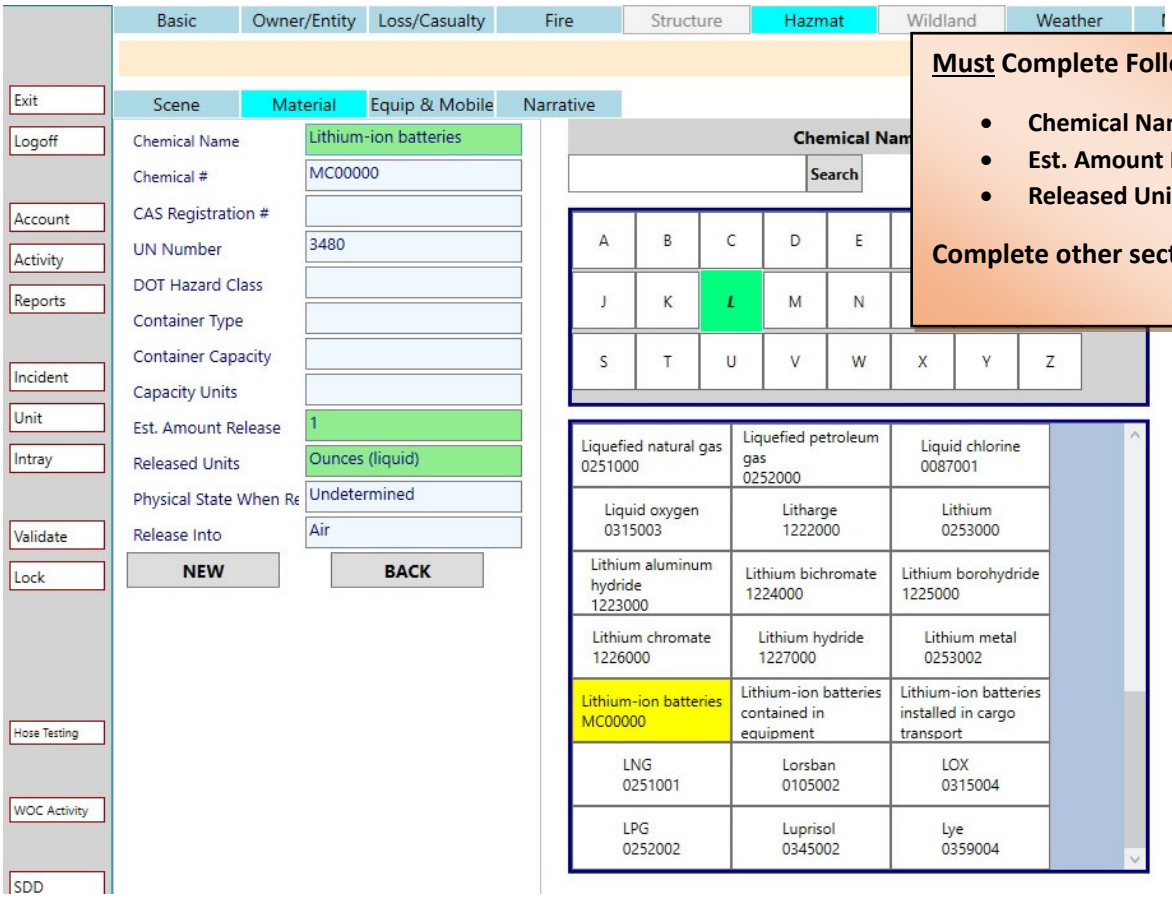
- Release factors
  - Combination of release and fire impeded mitigation (use if trouble extinguishing)

Disposition

- Released to property owner or manager
- Released to private agency (Tow truck, Clean-up contractor)
- Released to county agency (MCPD, FEI)
- Released to state agency (MDE)

Fire App Incident Reporting for Li-Ion Battery Incidents

HAZMAT PAGE – MATERIAL TAB, EQUIP & MOBILE TAB, NARRATIVE TAB



<u>Must</u> Complete Following Sections

- **Chemical Name**
- **Est. Amount Release**
- **Released Units**

Complete other sections if known

Chemical Name

- Lithium-ion batteries (any cell, battery pack, appliance, mobility device smaller than an over the road vehicle)
- Lithium-ion batteries contained in equipment (Battery enery storage systems (BESS), vehicles or other large equipment)
- Lithium-ion batteries installed in cargo transport (box trailer, etc)

Est Amount Release

- Required entry
- 1 Ounce or 1 Gram will suffice

****If you know how many cells were involved, (1) 18650 cell equals approximately 4 grams of electrolyte. I.e. – 9 cells = 36 grams****

Complete Equipment and Mobile Property Tab with same information as in the Fire Page for same selections

Complete Narrative Tab with any specifics to equipment and actions taken by Hazmat (I.e. – battery isolated in bathtub, Hazmat overpack with 5-gal pail, awaited contractor, etc)