NFORS Exposure Module Data Elements  
(Personal Exposure Record)

This document describes the data elements to be collected following firefighter line of duty exposure to product with potential adverse health effects.

**Related Policy** = Firefighter Exposure Tracking - Mandatory/Non-Punitive

**Data Access Levels**

Individual Firefighter (Personal) – ALL  
Fire Department - TBD  
National Dataset - TBD

**Color Code for Call Type**

RED = FIRE  
BLUE = EMS  
GREEN = HAZMAT

**Firefighter Profile- (**Ping to Update every 6 months**)

- NFORS ID (Digits - encrypted) (* Random assigned ID that stays with the individual for life)  
- DOB (mm/dd/yyyy)  
- Gender (M/F)  
- Race/ Ethnicity  
  - White (Caucasian)  
  - Hispanic or Latino  
  - African American  
  - Asian  
  - Native Hawaiian or Pacific Islander  
  - Alaska Native  
  - Other ________

- When did you begin your career in the fire service? (mm/yyyy)  
- Shift Schedule  
  - 24 hours on/24 hours off  
  - 24 hours on/48 hours off  
  - 24 hours on/72 hours off
48 hours on/96 hours off
72 hours on/96 hours off
10 hours on/14 hours off
9 hours on/15 hours off
12 hours on/12 hours off
8 hours * 5 days per week
10 hours * 4 days per week
Other (describe – txt box)

• Current Tobacco Use (Y/N)
  o If Y then (smoke / smokeless) (select all that apply)

NFORS FDID (Department ID)

  • E1.1 Master NFORS FDID (same as C1.1)

Event (Incident) Type

  • E1.2 NFORS Unique Incident Number- (*Optional for Outside Systems/Vendors)

  • Event Type
    o Fire
    o EMS
    o HazMat
    o Rescue
    o Other

  • Were you asleep at time of alarm? (Y/N)

FIRE Exposure Details

  • What was Burning?
    o Structure
      • Residential
      • Commercial
    o Contents
    o Vehicle
    o Trash (rubbish)
    o Wildland (Brush)
    o Other __________
• *ADD to CAD module - Was foam used on this operation? Yes/No/Not sure
  o (If Yes) What type of foam was used?
    ▪ AFFF (Polar, Chem Guard)
    ▪ Purple K (Dry Chem)
    ▪ Extinguisher Metal X ((dry Chem)
    ▪ Extinguisher Purple X (Dry Chem)
    ▪ Extinguisher B/C (Dry Chem)

• Fire Conditions During Involvement
  o No Smoke or Fire Showing
  o Smoke Showing
  o Fire Showing
  o Structure Fully involved
  o Fire Spread Beyond the Structure of Origin

• Activity On Scene / Duration (min) / SCBA-ON AIR (Y/N) (*ADD- select the list in the order you did the activity)
  o 360 Degree Size up
  o Incident Command
  o Fire Attack/Fire Suppression
  o Apparatus Operator
  o Search/Rescue
  o Ventilation
  o Rapid Intervention Crew (RIC)
  o Laddering/Roof Operations
  o Laddering/Windows
  o Salvage
  o Overhaul
  o Staging Manager
  o Worked in Rehab
  o Safety Officer
  o Fire Watch (remain on scene after overhaul)
  o EMS on scene
  o EMS Transport
  o Hazmat
  o Fire Cause Investigation

• Rehab on Scene
  o During on scene operations, did you rehab? (Y/N)
    ▪ If Yes
      • Did you clean your hands prior to eating/touching other body parts? (Y/N)
• Did you remove gear? (Y/N)
• Did you drink fluids? (Y/N)

• Gear Status (Cleanliness)
  o Were any components of your gear ensemble dirty BEFORE the response? (Y/N)
    • IF YES – select which ones
      • HELMET
      • HOOD (Shroud / Balaclava)
      • TURNOUT COAT
      • TURNOUT PANTS
      • GLOVES
      • BOOTS
      • SCBA

  o Were any components of your gear ensemble dirty AFTER the response? (Y/N)
    • IF YES – select which ones
      • HELMET
      • HOOD (Shroud / Balaclava)
      • TURNOUT COAT
      • TURNOUT PANTS
      • GLOVES
      • BOOTS
      • SCBA

• After Fire - Dermal Exposure
  o Was there Visible Soot on?
    • Face (Y/N)
    • Neck (Y/N)
    • Arms (Y/N)
    • Hands (Y/N)
    • Legs (Y/N)

• On Scene Decontamination
  o Hose / Brush Off Gear (Y/N)
  o Used soap and water (Y/N)
  o Bag turnout gear (Y/N)
  o Used Wet wipes (Y/N)
  o Did you clean your neck, face and other exposed body parts? (Y/N)

• How did your gear get back to the station?
  o ON my body
  o OFF my body but in the cab of apparatus – BAGGED
• OFF my body but in the cab of apparatus - **NOT BAGGED**
  o In a compartment outside vehicle cab
  o Dedicated transport vehicle
  o Other (describe)

• **At Station Decontamination**
  o Did you clean your hands before eating or touching other body parts (Y/N)
  o Shower within an Hour (Y/N)
  o Wash Gear
    ▪ Turnout Coat (Y/N)
    ▪ Turnout Pants (Y/N)
    ▪ Station wear (Y/N)
    ▪ Helmet (Y/N)
    ▪ Helmet liner/ear flaps (Y/N)
    ▪ Hood (Shroud / Balaclava) (Y/N)
    ▪ Gloves (Y/N)
    ▪ SCBA Face Piece/ Mask (Y/N)
    ▪ SCBA (Y/N)
  o Replace Hood (Shroud / Balaclava) (Y/N)
  o Replace gloves (Y/N)
  o Replace turnout gear (Use 2nd set) (Y/N)
  o None of the Above (*Yes—or if N/N/N on questions above, then WHY?*

    ▪ Why? [drop down selection]
      ▪ Not policy
      ▪ No back up gear
      ▪ Did not have time
      ▪ Gear did not look dirty
      ▪ Other (txt box)

• Did you notice soot, black mucus, or black phlegm anywhere inside your nose or mouth following this response?
  o If yes, where: (Nose/Mouth)

• What color was your first urine after the assignment/call?
  o Urine scale (show color chart—have them pick one)
    ▪ Transparent yellow
    ▪ Dark yellow
    ▪ Amber or honey
EMS Exposure Details

EMS Situation (from CAD)
- Medical
- Cardiac
- Trauma
- Other

- Activity On Assignment/ Call
  - Secure Scene
  - Patient Access
  - Patient Triage
  - Patient Care
  - Patient Handling
  - Patient Transport
  - Ambulance (Unit) Decontamination
  - Patient Transfer at Hospital (medical facility)
  - Other ___(describe)___

- Type of Exposure
  - Biological
    - Blood / Body Fluid Contact
      - Needle Stick /Sharp
      - Mucous Membrane
      - Intact Skin
      - Non-Intact Skin
    - Skin Infection
    - Airborne
    - Other
  - Chemical
    - Airborne
    - Skin contact
    - Other

- Protective Equipment Worn
  - Gloves (Y/N)
  - Eye Protection (Y/N)
  - Mask (Y/N)—if Yes then which one?
    - Air Purifying Respirator (APR)
    - Powered Air Purifying Respirator (PAPR)
    - Surgical N-95
• Surgical Non – N-95
• Other (Txt box)
  o Fluid Resistant Clothing (Y/N)
    ▪ Disposable (Y/N)

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      • TURNOUT COAT
      • TURNOUT PANTS
      • GLOVES
      • BOOTS
      • SCBA
  
  o Were any components of your gear ensemble dirty AFTER the response? (Y/N)
    ▪ IF YES – select which ones
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      • TURNOUT PANTS
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      • BOOTS
      • SCBA
HAZMAT Exposure Details

Hazmat

• Situation
  o Large spill > 55 gallons
  o Small spill < 55 gallons

• UN ID number of material- name of Product (*link to Select Placard)

• State of material
  o Vapor/gas
  o Dust
  o Heavy particulate
  o Heavy mist
  o Liquid
  o Combustible
  o Solid
  o Stable (Y/N)

• Activity On Scene / Duration / SCBA (Y/N)
  o 360 Degree Size Up
  o Incident Command
  o Apparatus Operator
  o Evacuation
  o Fire Suppression
  o Search/Rescue
  o Ventilation
  o Rapid Intervention Crew (RIC)
  o Containment
  o Clean Up
  o Staging Manager
  o Safety Officer
  o Worked in Rehab
  o Decontamination
  o EMS on scene
  o EMS transport
  o Investigation
  o Other ______

• Protective Equipment Worn (*add info spots with abbreviated definitions found in this link)
Level A - greatest level of skin, respiratory, and eye protection
Level B - highest level of respiratory protection is necessary but a lesser level of skin protection
Level C - concentration(s) and type(s) of airborne substance(s) is known and the criteria for using air purifying respirators are met
Level D - work uniform affording minimal protection

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      • TURNOUT COAT
      • TURNOUT PANTS
      • GLOVES
      • BOOTS
      • SCBA

  • Were any components of your gear ensemble dirty AFTER the response? (Y/N)
    ▪ IF YES – select which ones
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      • BOOTS
      • SCBA
RESCUE Exposure Details

Rescue Operations (type—From CAD)
• Elevator
• Rapid/ Swift Water
• Still Water
• Confined Space
• Trench
• Technical Rescue
• High Angle
• Low Angle
• Entrapment
• Other (txt box)

• Activity On Scene / Duration (min) / SCBA (Y/N)
  o 360 Degree Size up
  o Incident Command
  o Fire Attack/Fire Suppression
  o Apparatus Operator
  o Search/Rescue
  o Ventilation
  o Rapid Intervention Crew (RIC)
  o Staging Manager
  o Worked in Rehab
  o Safety Officer
  o EMS on scene
  o EMS Transport
  o Hazmat
  o Investigation

• Gear Status (Cleanliness)
  o Were any components of your gear ensemble dirty BEFORE the response? (Y/N)
    • IF YES – select which ones
      • HELMET
      • HOOD (Shroud / Balaclava)
      • TURNOUT COAT
      • TURNOUT PANTS
      • GLOVES
      • BOOTS
      • SCBA
Were any components of your gear ensemble dirty AFTER the response? (Y/N)

- IF YES – select which ones
  - HELMET
  - HOOD (Shroud / Balaclava)
  - TURNOUT COAT
  - TURNOUT PANTS
  - GLOVES
  - BOOTS
  - SCBA