



# ANNAPOLIS FIRE DEPARTMENT

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Annapolis Fire Department and The Environmental Matters Committee Meeting 5/12/2022

RE: PFAS Concerns Firefighting Foam and Turnout Gear

## Firefighting Foam

- Currently using Universal Gold (AFFF)
  - o Contains PFAS
  - o Only able to utilize under emergency conditions
  - o Current Inventory
    - 39 (5 gallon) Pails in storage and on apparatus (195 Gallons Total)
    - 35 gallons in holding tank on FB36
    - 30 gallons in holding tank on E371
- New Option is Universal Green
  - o Fluorine Free
  - o No intentionally added PFAS
    - Universal<sup>®</sup>F3 Green has achieved GreenScreen certification. **GreenScreen Certified™** is an independent, non-profit certification that promotes the use of inherently safer chemicals in products and manufacturing
  - o Will require training
    - Different concentration
    - Slightly different tactics needed
  - o Cost to replace current stock and allow amount for training
    - \$12,831.60
- Disposal
  - o Private Company
    - Disposal of entire stock and on-board holding tanks pump out
      - \$3,997.98 (Not including disposal of FB36 actual holding tank)
  - o Purchase of new holding tank for FB36
    - Awaiting Pricing (Based on quick search could be \$500 to \$700)

## Turnout Gear

- Past two years we have been working on transitioning into a new turnout gear manufacturer from Globe to FireDex. Both Manufacturers have outer shells and thermal barriers that are PFAS Free
  - o Globe Turnout Gear contains Crosstech Black, 2F Moisture Barrier (86 members using)
    - Laminated to the fabric that could have PFAS more exposed
  - o FireDex Turnout Gear contains Stedair 4000 (49 members using)
    - Bi-component membrane that seals PFAS material between the membrane
- There is currently no manufacturer that makes a moisture barrier that is PFAS free
- Stedair 4000 is the best current option
  - o To transition 86 members out of current Globe gear into FireDex \$272,362.00
  - o To add a second set of gear for everyone providing a backup set during gear cleaning after fire incidents \$452,881.00
    - Currently and if we do not provide second set of gear we would only have Globe turnouts that can be loaned out during gear cleaning and/or repair
  - o Total for both \$725,243