



# SHUTESBURY PFAS PROJECT

Jeffrey Arps, LSP

# PROJECT UNDERSTANDING

- Rear of Fire Department used for fire training with AFFF
- Private well contamination detected in April 2021 through MassDEP/UMass well sampling program
- Notice of Responsibility dated November 18, 2022
- MassDEP conducted well sampling and initial assessment of release area
- Confirmed on-site soil and groundwater contamination
- Tighe & Bond engaged in December 2022, Jeffrey Arps, LSP
- Filed Immediate Response Action Plan and status report
- Currently assessing extent of contamination through house well sampling

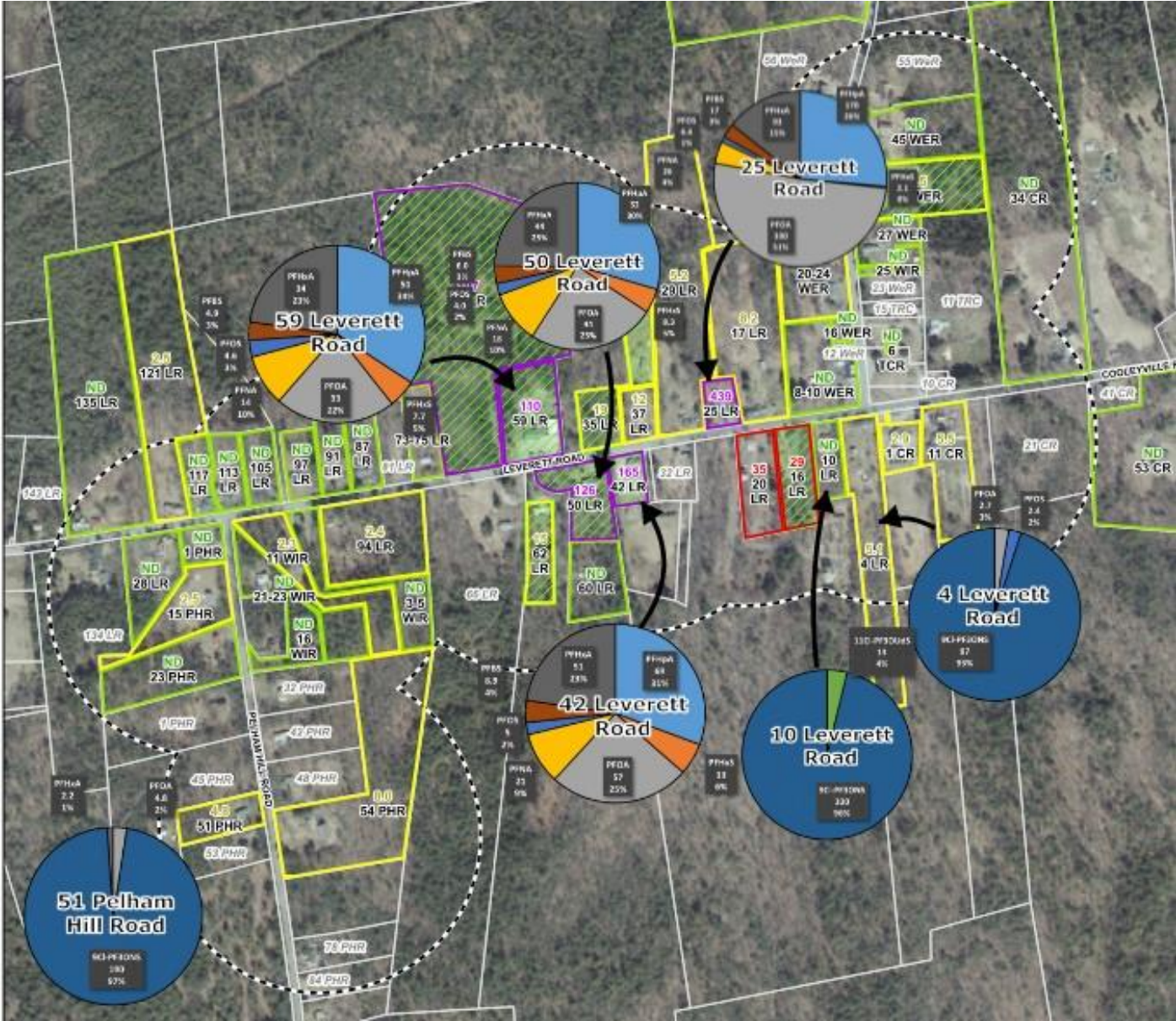
# DEP ASSESSMENT RESULTS

- CMG Environmental as DEP contractor, Jul-Aug 2022
- PFAS detected in site soil (PFOA, PFNA, PFHpA, PFDA)
- Concentrations in 13 of 22 exceed one or more RCS-1 values
- No concentrations exceed direct-contact standards (300 ppb)
- Six on-site monitoring wells sampled
- All had PFAS detected, four of six PFAS6 sums exceed RCGW-1 values/GW-1 standards, none exceed GW-3 standards

# MAY 2023 RADIUS MAP



# APRIL 2023 PIE CHARTS



# ONGOING IRA ACTIVITIES

- Continue to sample houses in expanding radii and conduct quarterly monitoring
- Thirteen sets of results received yesterday/today
  - Eleven POETs tested good, no detections
  - Two new homes were non-detect/J-qualified
- Installing POETs at all homes with detections
  - 20 single-vessel POETs for PFAS6 <20
  - Three double-vessel systems for PFAS6 >20
- Need to complete delineation of soil, groundwater and surface water contamination (Phase I/II)



# Tighe&Bond

Engineers | Environmental Specialists