



# PFOS/PFOA Site Investigation

## Truax Field ANG Base Kickoff Meeting

Richard McCoy - Air National Guard  
Jay Mullett - AMEC FW

14 February 2017

This Briefing is **UNCLASSIFIED**

---

*ALWAYS ON MISSION*

---

## Team Members and Introductions

- NGB/A4OR
  - Mr. Dennis Pinigis (Contracting Officer's Representative (COR))
    - PM – Mr. Brant Crumbling
- Amec Foster Wheeler (Task Order Contractor)
  - Mr. Jay Mullett (Program Manager)
  - Mr. Tom Kaugher (Regional Base Lead)
- BB&E (Technical Oversight Contractor)
  - Mr. Doug Barber (Technical Support Contractor)
- Wisconsin Air National Guard, Truax Field POC
  - Lt. Matthew Shaw (Base Environmental Manager)
- WDNR POC
  - Mr. Michael Schmoller

# Meeting Objectives

- Provide
  - An overview of the Emerging Contaminants Program for PFOS/PFOA
- Discuss
  - PFOS/PFOA Guidance and Policy
  - ANG Approach
  - Site Investigation Project Objectives
  - Preliminary Assessment Potential Release Locations
- Plan for SI Field Activities
  - Existing Information
  - SI Field Approach
  - Access
  - Schedule
  - Utility Clearances and Permits
  - Special Concerns & Data Gaps

## AF PFOS/PFOA Guidance/Policy

- Interim Guidance on Perfluorinated Compounds (17 Sep 2012)
  - Response to Regulatory Requests
  - Provided Enterprise-wide strategy for PFCs
  - Included technical guidance for analysis and risk assessment
- SAF/IE Policy on Perfluorinated Compounds (PFCs) (11 Aug 2016)
  - Allocate funds for the assessment, investigation, mitigation and environmental response to PFOS/PFOA releases, as needed, to ensure the protection of human health and the environment, consistent with applicable Federal or state law
  - Identify all locations on AF Installations where potential releases could have occurred and confirm whether there exists a potential unacceptable risk to human health and the environment
  - Address any PFOS/PFOA releases that pose unacceptable risk, including migration off-base, in accordance with CERCLA

## AF PFOS/PFOA Guidance/Policy

- Develop drinking water sampling guidance for PFOS/PFOA - where drinking water samples indicate unacceptable risk, as defined by exceeding USEPA's lifetime drinking water Health Advisory (HA) for PFOS and PFOA, take appropriate mitigation action for all sources on current and former Air Force installations, as well as public and private water sources reasonably believed to be contaminated by Air Force actions
  - Eliminate use of PFOS and PFOA containing AFFF on AF Installations
- Revised Site Management Procedures – Update to DoD Manual 4715.20 (Defense Environmental Restoration Program Management (DERP)) (22 Aug 2016)
- EPA Lifetime Health Advisories for PFOS and PFOA (25 May 2016)
  - Drinking water at or below which adverse health effects are not anticipated to occur over a lifetime of exposure, are: 0.07 parts per billion (70 parts per trillion) for PFOS and PFOA

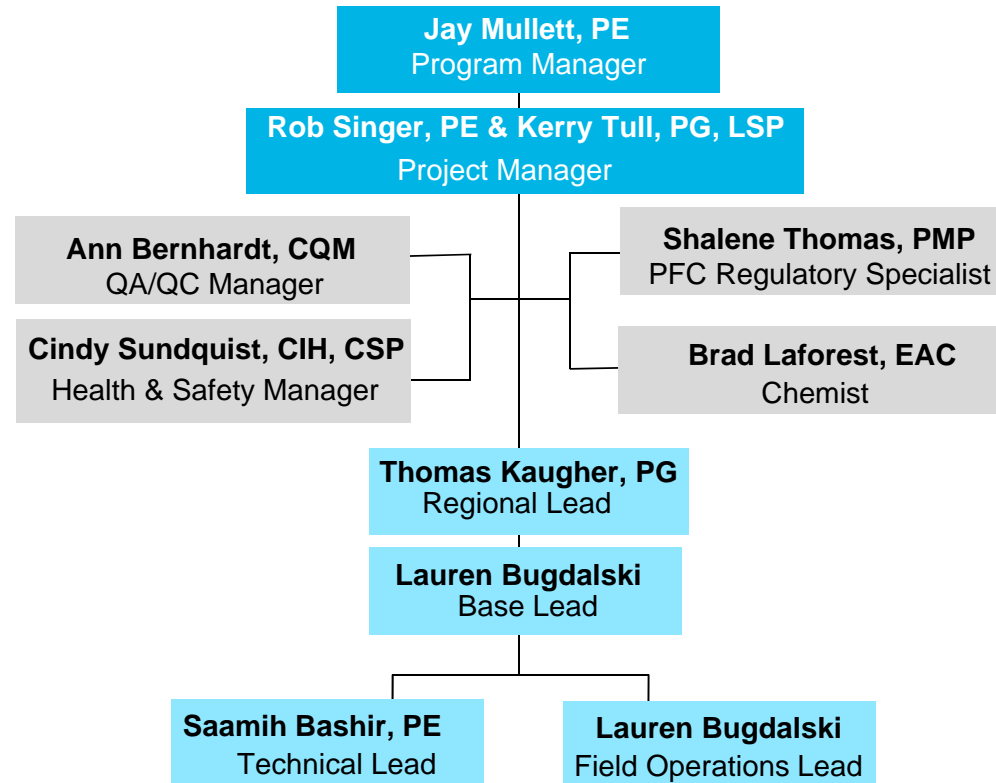
## ANG Approach

- Preliminary Assessments (PAs) were conducted at 68 ANG bases and 2 AFR bases in 2015/2016 by BB&E
  - 9 ANG base PA's were completed by AFCEC
  - 687 total Potential Release Locations (PRLs) identified
- 4 ANG SI Contracts have been programmed
  - 2 were funded in 2016
    - 39 ANG bases – 388 PRLs
  - 2 are programmed in FY17 (29 bases)
  - Period of Performance (POP) is 18 months from date of award
- 4 ANG bases are included on AFCEC SI contracts
  - These bases will be added to the ANG Program during the RI phase

## Project Objectives

- Conduct Site Investigation (SI) Activities to determine the presence or absence of PFOS/PFOA in all potential media (soil, groundwater, surface water and sediment)
  - Delineation of contamination plumes is not in the scope of this task order
- Determine if PFOS/PFOA contaminated groundwater has reached the base boundary
  - Sampling will only be performed on ANG property
- Stormwater outfalls, wet wells, drainage basins and ditches will be sampled at the last available downgradient location on ANG property
- Sampling of drinking water sources is not included

# Project Team





# Project Tasks

- Task 1: QCP
- Task 2: Site Inspection (SI)
  - SI Site Visit and Work Plan
    - Site Visit
      - Kick-Off meeting with Base Environmental Manager
      - Verify existence and location of monitoring wells
      - Formalize location of sampling locations
      - Identify any logistical challenges (restricted areas, concrete coring, timing of field work due to mission impacts)
    - SI Work Plan
      - Refine conceptual site model
  - SI Field Work
  - SI Report

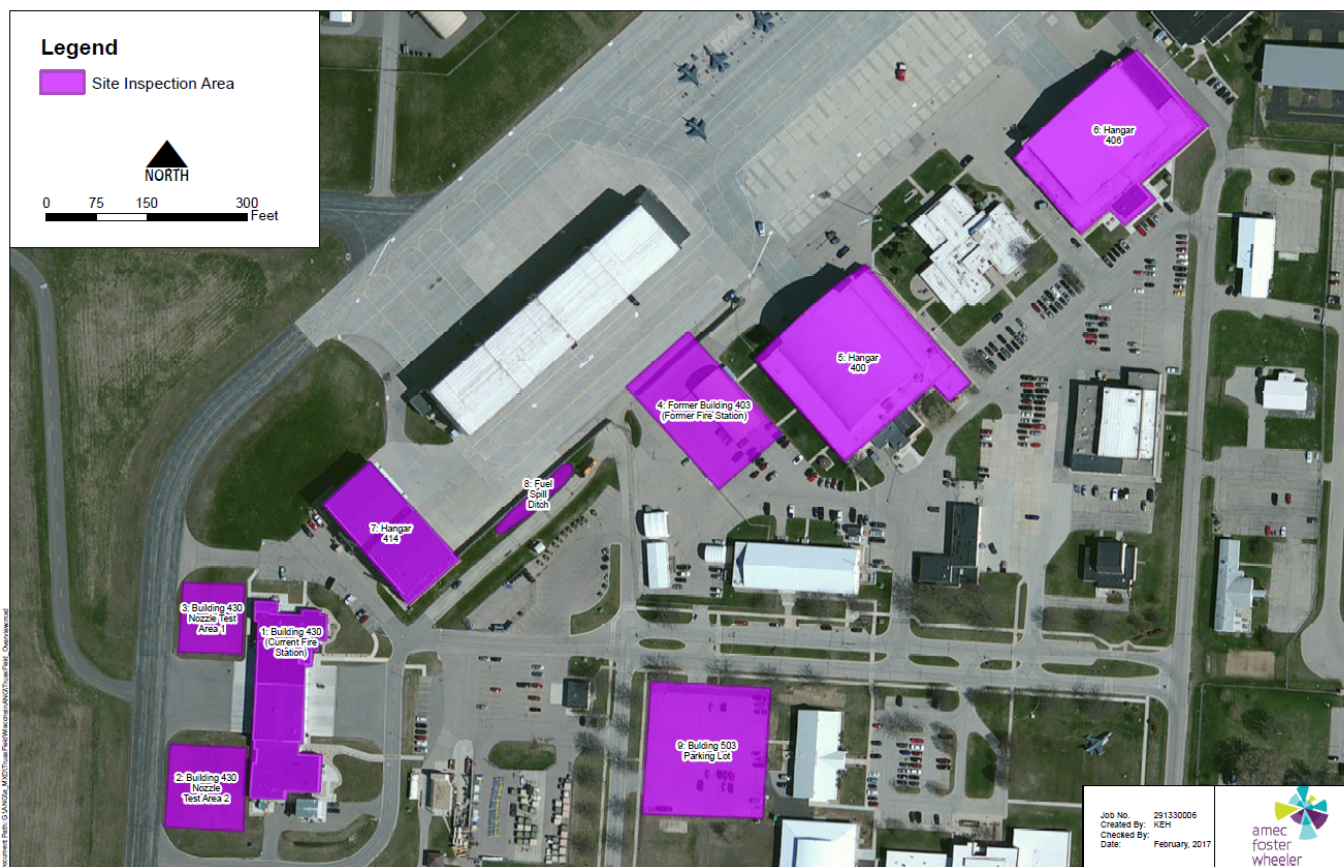
## Potential PFOS/PFOA Release Locations

- Building 430 (Current Fire Station) – soil and groundwater
- Building 430 (Nozzle Test Area 1) – soil and groundwater
- Building 430 (Nozzle Test Area 2) – soil and groundwater
- Former Building 403 (Former Fire Station) - soil and groundwater
- Hangar 400 – soil and groundwater
- Hangar 406 – soil and groundwater

## Potential PFOS/PFOA Release Locations

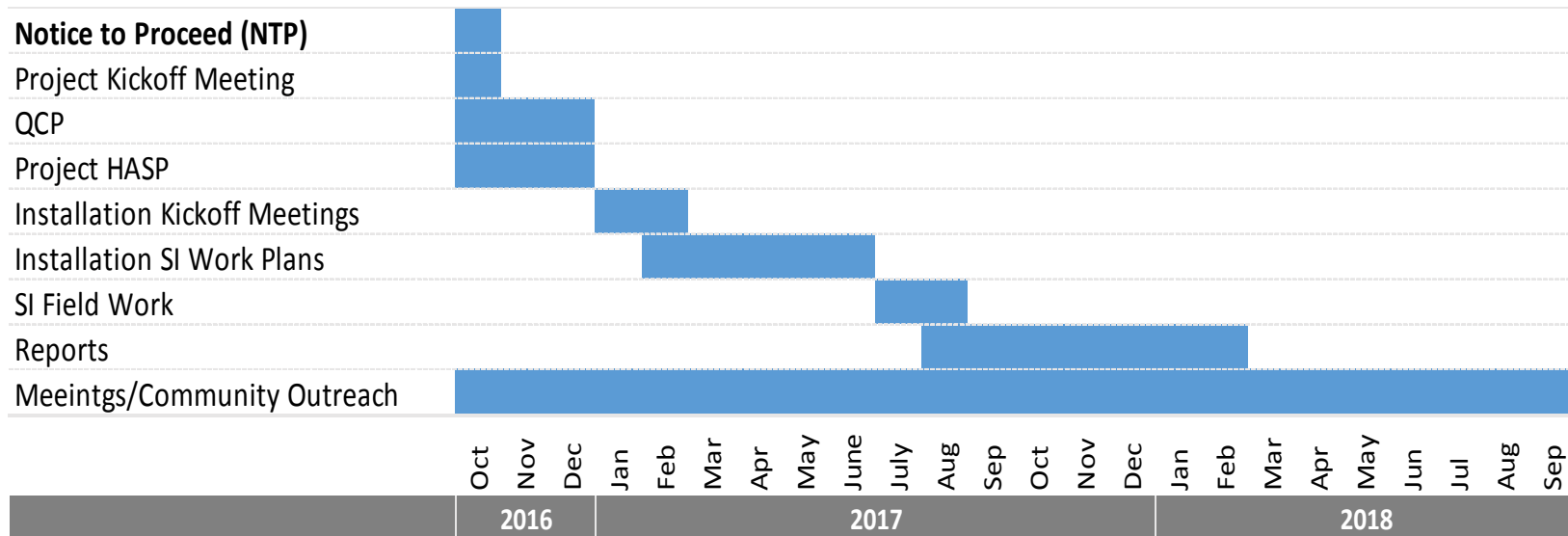
- Hangar 414 – soil and groundwater
- Fuel Spill Ditch – soil and groundwater
- Building 503 Parking Lot – soil and groundwater
- Base Boundary – groundwater

# Potential PFC Release Locations



ALWAYS ON MISSION

# Schedule



AIR NATIONAL  
GUARD

# QUESTIONS

---

*ALWAYS ON MISSION*

---