

**Former Pease Air Force Base (AFB)
Restoration Advisory Board (RAB)
October 10 2018 - 6:30-9:00 p.m.**
Great Bay Community College
320 Corporate Drive, Portsmouth, New Hampshire

Meeting Summary

RAB members present: Susan Chamberlin (community member), Ted Connors (community member), Mike Daly (appointed member: USEPA), Brian Goetz (appointed member: City of Portsmouth), Peggy Lamson (community member), Dennis Malloy (community member), Mark Mattson (Portsmouth resident), Kim McNamara (appointed member: City of Portsmouth), Mindi Messmer (community member), Lulu Pickering (community member), Peter Sandin (appointed member, NHDES) Andrew Smith (community member), Maria Stowell (appointed member: Pease Redevelopment Authority), Roger Walton (appointed member: AFCEC, DoD Chair).

Meeting support staff present: Ona Ferguson (Consensus Building Institute, RAB Facilitator), Linda Geissinger (AFCEC, Public Affairs), Scott Johnston (AFCEC, Public Affairs), Rob Singer (Wood).

Others attending: James Bolenger (Newington resident), Libby Bowen (Wood), Doris Brock (Colebrook resident), Alayna Davis (Testing for Pease), Kelsey Dumville (USEPA Boston), Nancy Eaton (Newmarket resident), Bobby Gisham (Senator Hassan's office), Lisa Griffith (Dover resident), Karen Johnson (Greenland resident), Thomas Johnson (Pease Air National Guard public affairs), Margaret McCarthy (City of Portsmouth), Anne McCurry (Newmarket resident), Robin Mongeon (NHDES Concord), Jim Murphy (EPA public affairs), Lauren O'Neill (Senator Shaheen's office), Al Pratt (City of Portsmouth), Mike Quinlin (APTIMS), Amy Quintin (Wood), Katy Sarsfield (Wood), Dr. Steve TerMaath (AFCEC).

Next meeting: to be determined.

Action items:

- Air Force and USEPA staff to consider a request from Mark Mattson (RAB Member) to review and provide input on the draft shellfish sampling plan prior to approval by the USEPA.
(Note: Mr. Mattson participated in an on-board review of the shellfish sampling plans at NHDES on 11/26/18).
- Roger Walton to provide Mindi Messmer with a copy of the Air Force policy that prevents release of private well data within a few days of the meeting.
(Note: Privacy Act policy information was provided to RAB membership on 10/11/18).
- Residential Well Sampling Data without personally identifiable information (PII) was also provided to the RAB on 10/16/18.
- Roger Walton will reach out to ANG regarding interest in an appointed RAB seat.

Welcome, Introductions and RAB Administrative Items

The facilitator welcomed everyone to the Pease Restoration Advisory Board. RAB members approved the June meeting summary as revised in advance of the meeting. The group discussed RAB membership; Andrew Smith is stepping off the RAB because he will no longer be working at the Air National Guard

(ANG). ANG will consider replacing Andrew with another representative from the ANG. All RAB meeting materials are online at <http://www.afcec.af.mil/Home/BRAC/Pease>

Air Force Review of Response to PFOS/PFOA

See presentation slides, available at <http://www.afcec.af.mil/Home/BRAC/Pease-Archives/>

Roger Walton (Air Force Civil Engineer Center, RAB co-chair) gave a presentation reviewing the general process for cleanup at active and former Air Force bases. General steps are *Identify* (Former Fire Training Area, City of Portsmouth municipal wells and sampling of private wells), *Respond* (shut down Haven Well, provide bottled water and treatment, work with city to install treatment of municipal wells and install interim remedial systems at Site 8 and AIMS), and *Prevent* (this is not a focus area for BRAC cleanup locations as it focuses on operational uses of replacement fire-fighting foams). The Air Force is currently in the Site Inspection (SI) and Interim Remedial Action (IRA) stage at Pease. Roger described the activities at Pease since 2013 that fit into these categories. The Supplemental Site Investigation is ongoing. Data collected to date will be used to determine what additional sampling should be conducted in response to the screening values provided in November 2017 by USEPA.

RAB members asked the status of access agreements for locations where point of entry treatment (POET) systems were installed, and Roger said the Air Force is aware that the agreements expire soon. They also asked if the Air Force collected blood samples from homeowners where POET systems were installed. Roger said the Air Force did not perform blood testing.

Supplemental Site Inspection Activities Conducted to Date

See attached presentation slides, available at <http://www.afcec.af.mil/Home/BRAC/Pease-Archives/>
Amy Quintin (Wood, Air Force contractor) summarized recent execution of the Exposure Assessment and Human Health Risk Screening. This investigation is a step in the process to prevent human exposure. The first step was to protect drinking water. The current investigation is designed to identify potential risks based on other types of human exposure.

In the discussion about this presentation, RAB members raised significant concerns that little is known about deer exposure through drinking contaminated surface water and that there are no plans to investigate this. USEPA will review the reports provided by RAB member Lulu Pickering and work with the Air Force to determine the appropriate path forward to address these concerns. People asked why the Air Force is using assumptions of 45-day annual exposure for children rather than the more conservative 120-day exposure assumption for children. Mike Daly (USEPA) said USEPA provided the Air Force with the screening values that are being used.

People expressed concerns about PFOS and PFOA concentration levels in surface water in some places and asked how concentrations in surface water are linked to health advisories. Wood staff clarified that drinking water health advisory numbers are not applicable to surface water samples. Participants asked to see all the data on the 13 PFAS compounds that were analyzed. They were told that all that data would indeed be included in the report. RAB members asked that all data be provided, regardless of whether USEPA has established screening values, so the public can make decisions about what water bodies they want to come in contact with. A RAB member asked if there were plans to install signs at locations where PFAS were detected at concentrations above screening values. Roger noted that there are not currently plans to post signs.

RAB member Mark Mattson (PhD in aquatic toxicology) asked that if he could review the draft shellfish sampling plan prior to it being approved by USEPA. Air Force and USEPA staff said they would consider the request and provide a response.

Portsmouth Water Treatment

Brian Goetz provided an update on work at the City of Portsmouth Grafton Road treatment plant. See attached presentation slides, also available at <http://www.afcec.af.mil/Home/BRAC/Pease-Archives/>

Public Comments

Members of the public had the opportunity to share thoughts with the RAB. Three people shared comments, summarized here.

Anne McCurry (wife of deceased fire fighter):

- I am concerned that exposure to chemicals contributed to my husband's death. I have copies of historical data and a 1994 Superfund Records Search and Record of Decision indicating that Pease should not have be transferred to another owner until wells on the base were cleaned up.

Doris Brock (wife of deceased ANG member):

- I am also concerned about exposure to PFAS through ingestion of deer and am interested in participating in the RAB and CAP as well as making sure that ANG and Air Force workers are heard as part of this process.

Alayna Davis:

- How were Pease-specific screening values developed, and how do they compare to screening values at other sites? Are screening values considered cumulative risks from drinking water, and will screening be performed for PFHxS?

USEPA response: There are no screening values currently available for PFHxS. However, as discussed throughout the meeting, should toxicity data become available, the screening could be updated because the data for PFHxS have been collected. USEPA developed the Pease-specific screening values from existing, standard generic scenarios because there are no national screening values (published as USEPA "Regional Screening Levels" (RSLs)) available for these compounds.

Wood response: The screening values used in the exposure assessment do not include consideration for the fact that the population may have been exposed to PFAS-impacted drinking water. However due to the conservatism built in to the values and setting them at 10% of the safe exposure level, the screening levels are considered by USEPA to be sufficiently conservative to account for some cumulative exposure. Additionally the Baseline Risk Assessment, another phase of risk assessment, would take all cumulative exposure into account. This may be conducted as part of a Remedial Investigation (the next phase of the CERCLA process).

Open RAB Member Discussion

A few minutes were provided for RAB members to raise topics of their choosing. One RAB member suggested that RAB meetings be held more frequently. There was a request for a copy of the Air Force policy that prevents release of private well data, and Roger said the Air Force would provide that information in the next few days.