

# Air Force Civil Engineer Center

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## Cannon AFB PFAS Public Update

14 December 2022

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*Battle Ready...Built Right!*



## Agenda



- Remedial Investigation
- Engineering Evaluation/Cost Analysis – Pilot Study
- Going Forward
- Additional Information
- Common Acronyms

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# Remedial Investigation



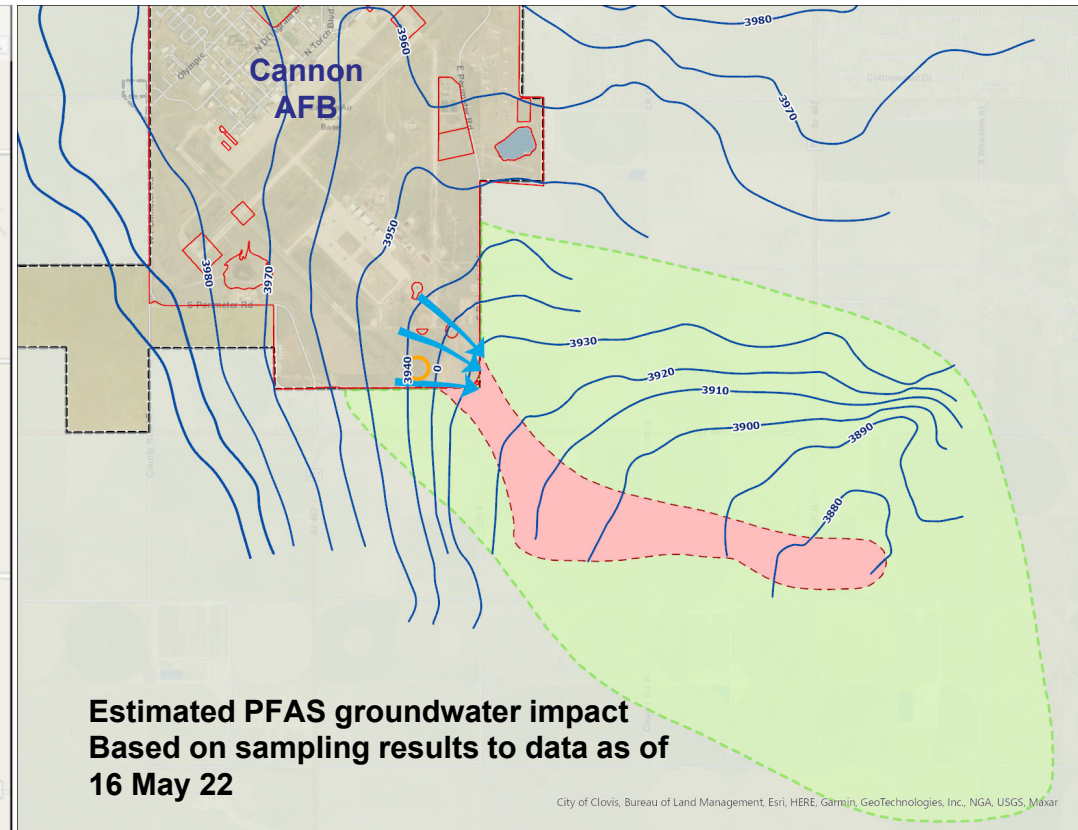
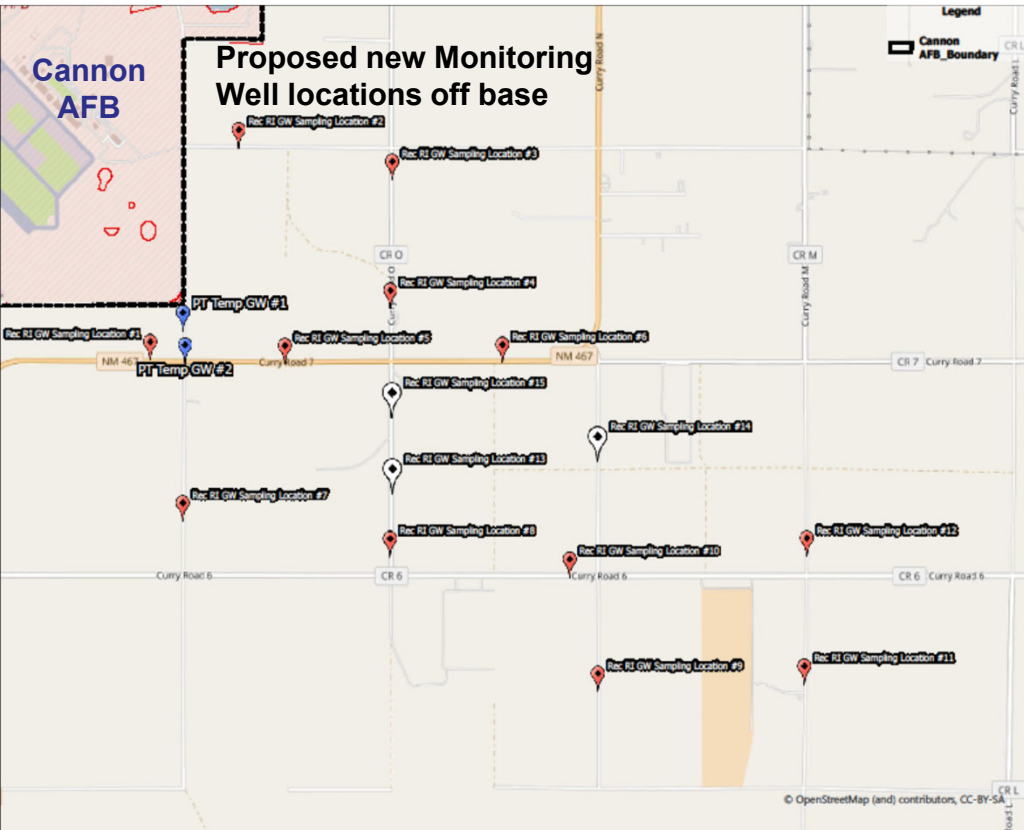
## ■ Remedial Investigation (RI) Status

- Aug 2020 Remedial Investigation Contract awarded
- Jun 2021 RI Work Plan/QAPP sent to NMED & EPA for 30 Day regulatory review; review period 23 Jun – 23 Jul 2021
- Work Plan completed – Sep 2021
- May 2022 RI work completed to date:
  - Soil samples: on Base 65 – off Base 34
  - Groundwater samples: on Base 19 – off Base 34
  - Starting installation of 13 new monitoring wells on base; 7 installed
  - Planning 15 new off base monitoring wells

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# Remedial Investigation



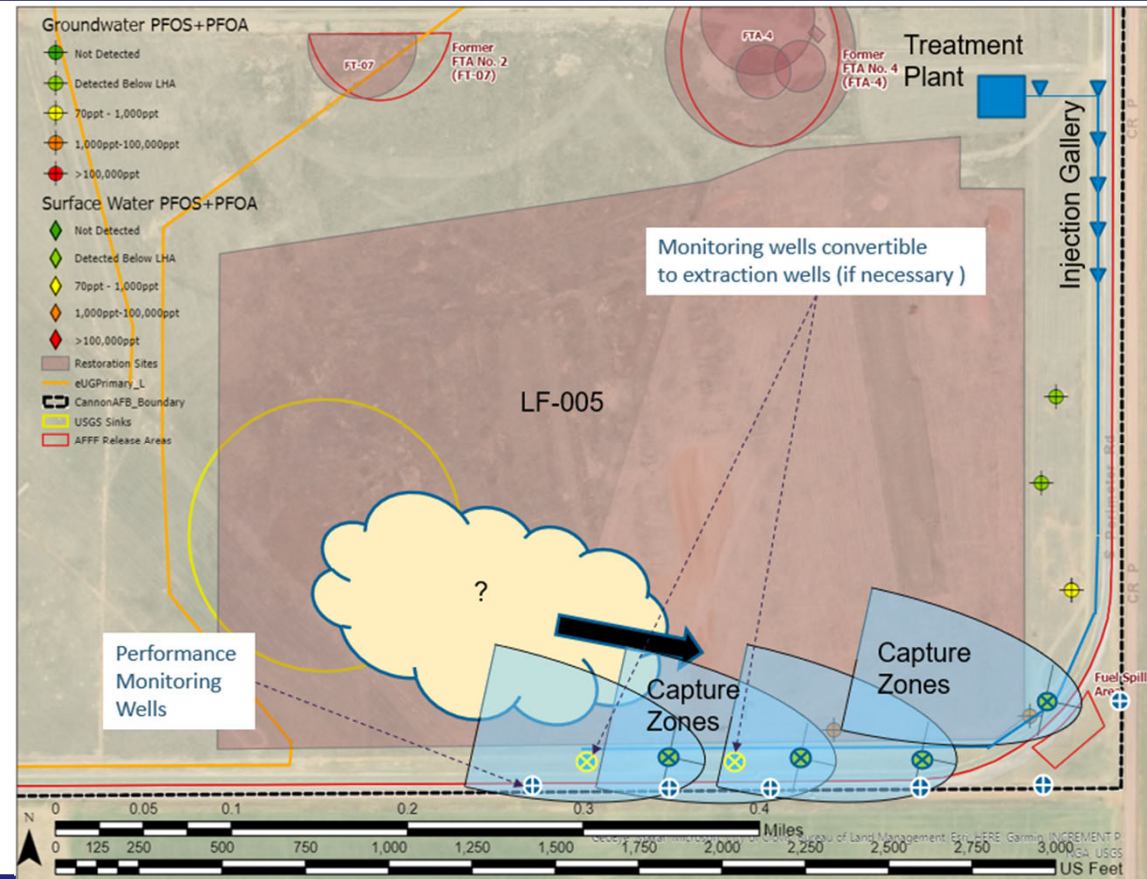
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# Pilot Study Focus Area



- Extraction wells
  - 4 extraction wells with pumps
  - 2 extraction wells with no pumps used as monitoring wells
- 6 Injection wells



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# Engineering Evaluation/Cost Analysis – Pilot Study Draft Timeline



- Award COMPLETED - 27 May 2021
- Initial Site Visit COMPLETED - 2 Jun 2021
- Kick-Off Meeting COMPLETED - 8 Jun 2021
- Sampling Event COMPLETED - 14 Jun 2021
- Treatability Study COMPLETED - Dec 2021
- Aquifer Test COMPLETED - Dec 2021
- Design/Work Plan IN PROGRESS- Jan 2023
  - Draft-Final Design (30-day NMED/EPA comment period) Estimated completion January 2023
- Construction Start - Mar 2023
- Operation Start - Dec 2023
- EE/CA Final - Jun 2024
  - (30-day NMED/EPA comment period)

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## Going Forward



- **EE/CA - Pilot Study**
  - Design Phase Finalization estimated completion Jan 2023
- **Remedial Investigation**
  - Field work; continue monitoring well installation both on and off base
- **Next Public Quarterly Update**
  - Tentatively planned 15 Mar 2023; Currently determining path forward for future meetings
- **Any questions regarding this presentation, please sent to [27SOCES.cannon.rpm@us.af.mil](mailto:27SOCES.cannon.rpm@us.af.mil)**

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# Additional Information



## Admin Record (AR) Links to Cannon Air Force Base reports:

- Admin Record <https://ar.afcec-cloud.af.mil/>
- PA: AR# 1941
- SI: AR# 1938
- Off base SI: AR# 1940
- RRSE: AR# 2063, 2790
- Treatability Work Plan: AR# 2072
- RI Work Plan: AR# 2074
- Aquifer Test Work Plan: AR# 2075

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# Additional Information



CANNON AIR FORCE BASE

NEWS ABOUT UNITS CONTACT US ENVIRONMENTAL

**ENVIRONMENTAL**  
Contractors with Brice Construction Ltd. deploy an air rotary drilling rig as part of a pilot study civil engineering project during a per- and polyfluoroalkyl remedial investigation Nov. 18, 2021, at Cannon Air Force Base, New Mexico.

COMMUNITY MEETING INFORMATION

March 2022 Virtual Quarterly Community

DOPAA DOCUMENTS

2022 DOPAA For

CANNON AIR FORCE BASE

For more information or to review videos from previously recorded quarterly meetings, please visit: [www.cannon.af.mil/Environmental](http://www.cannon.af.mil/Environmental).

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**QUARTERLY MEETING PLAYBACK**

- March 2022 Cannon AFB PFOS/PFOA Virtual Meeting
- December 2021 Cannon AFB PFOS/PFOA Virtual Meeting
- September 2021 Cannon AFB PFOS/PFOA Virtual Meeting
- June 2021 Cannon AFB PFOS/PFOA Virtual Meeting
- March 2021 Cannon AFB PFOS/PFOA Virtual Meeting
- November 2020 Cannon AFB PFOS/PFOA Virtual Meeting

**PROJECTS AND ENGAGEMENTS**

Virtual Meeting Series

- Cannon PFAS/PFOA FAQs
- 2020 Drinking Water Quality Report
- Pilot study for groundwater treatment press release

**RAB DOCUMENTS**

- 2021 RAB Response MFR
- RAB Rule Handbook
- RAB FAQ's

<https://www.cannon.af.mil/Environmental/>

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## Common Acronyms



- **Administrative Record (AR)**
- **Aqueous Film Forming Foam (AFFF)**
- **Agency for Toxic Substances and Disease Registry (ATSDR)**
- **Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)**
- **Department of the Air Force (DAF)**
- **Department of Defense (DoD)**
- **Engineering Evaluation/Cost Analysis (EE/CA)**
- **Environmental Protection Agency (EPA)**
- **Food and Drug Administration (FDA)**
- **Lifetime Health Advisory (LHA)**

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# Common Acronyms



- Parts Per Trillion (ppt)
- Per- and polyfluoroalkyl substances (PFAS)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorobutanesulfonic acid (PFBS)
- Perfluorooctanoic acid (PFOA)
- Preliminary Assessment (PA)
- Remedial Investigation (RI)
- Relative Risk Site Evaluation (RRSE)
- Site Inspection (SI)
- United States Geological Survey (USGS)

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