



April 2024 – April 2025 Ongoing Monitoring Report

RAAF Base Pearce

KEY POINTS

- Defence undertakes monitoring on and around RAAF Base Pearce to understand per- and polyfluoroalkyl substances (PFAS) movement and concentrations in groundwater, surface water and sediment.
- Monitoring results inform PFAS management and remediation activities.
- Defence started ongoing monitoring in 2017.
- PFAS risks to people and the environment remain unchanged since monitoring began.
- Alternative drinking water is supplied within the Management Area.
- A key PFAS source area on the base has been remediated.
- The Ongoing Monitoring Report is available on the Defence website.

What is an Ongoing Monitoring Report?

An Ongoing Monitoring Report collates and interprets PFAS sampling results from the Ongoing Monitoring Plan.

The Ongoing Monitoring Plan outlines what Defence is sampling (e.g. soil, water, sediment), where the sampling will take place, and how often.

This ensures Defence maintains an up-to-date understanding of any risk that the community may be exposed to from PFAS coming from the base. This understanding helps us work out the best way to minimise that risk.

All website links and contact details in this factsheet were correct at the time of publication but may change over time. For the most up-to-date information, please refer to www.defence.gov.au/pfas

Background

The Ongoing Monitoring Report covers groundwater, surface water and sediment sampling undertaken between April 2024 and April 2025 from locations on and around RAAF Base Pearce. The report also compares the results of the new sampling data to past data collected since 2017.

What does the Ongoing Monitoring Report tell us?

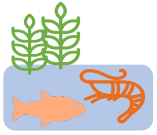
The data indicates the levels of PFAS in groundwater, surface water and sediment were consistent with historical results. Therefore, there is no change in the potential exposure risks to the community or the environment. For more information, see the Human Health and Ecological Risk Assessment on the Defence website.

What management and remediation activities are underway?

Alternative drinking water continues to be supplied to residents in the Management Area. During the monitoring period, Water Corporation scheme water mains were constructed and residents choosing to connect to the scheme have been connected.

Remediation of the largest PFAS source area on the base, Source Area A, the fire training area, was completed in 2025. Monitoring in this area is continuing, to understand how effective the remediation has been.

Number of samples collected and analysed

Groundwater	Surface water	Sediment
		
Groundwater is water beneath the earth's surface. It often supplies bores, wells or springs.	Surface water is water that collects on the ground and can be in the form of creeks, rivers, lakes, wetlands and more.	Sediment is made of broken down remains of rocks, minerals, plants and animals that is moved and deposited to a new location.
274 samples collected from 95 groundwater wells and private bores	37 samples collected from 40 surface water locations (locations are sometimes dry)	81 samples collected from 27 locations

Next steps

Over the next 12 months Defence will:

- Continue monitoring to further understand any changes in PFAS concentrations and the effectiveness of remediation.
- Further assess PFAS in groundwater near the south-western boundary of the Management Area to make sure alternative drinking water is being supplied where it is needed.
- Continue to keep the community informed about the management and ongoing monitoring of PFAS on and around RAAF Base Pearce.

Further information

A full copy of the Ongoing Monitoring Report is available on the Defence website at: www.defence.gov.au/about/locations-property/pfas/pfas-management-sites/raaf-base-pearce-bullsbrook

