



## PFAS Program document archive

The document archive contains links to a range of information that Defence has published about the management of per- and poly-fluoroalkyl substances (PFAS) on its website.

For the most current program information about Defence's management of PFAS contamination, please access the latest content, factsheets and reports on the PFAS Investigation & Management Program website.

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5. enHealth Factsheets (June 2016)
6. Maps and Images (2014 – 2017)
7. PFAS Disclosure Log – FOI Documents released by Defence (2016 – 2017)

The documents in each of the categories are currently listed in date order. Some later documents may supersede earlier documents covering the same material.

**Please note:** Each PFAS management site has its own individual document archive located at the end of each management site page. The individual document archive makes it easier to find historical documents relating to that particular location (eg: RAAF Base Darwin).

This Program Document archive contains information relating to the broader program, but it is a work in progress and some location specific information may need to be migrated to the individual management site document archives (e.g. RAAF Base Darwin) to make it easier to find. You can access the individual document archives via the management sites located on the [PFAS Management Site page](#).

Over the coming weeks, we would appreciate your feedback to help us to improve the usability of the new website and the document archives. Our aim is to enable access to critical, up-to-date-information using plain language on the live website, while also providing direct one-click links to archived documents. Defence's archived documents are provided by the [National Library of Australia's TROVE archive](#). If you are experiencing issues accessing the documents, please use the following contact details:

### Contact us



1800 333 362



[pfas.enquiry@defence.gov.au](mailto:pfas.enquiry@defence.gov.au)



<http://www.defence.gov.au/about/locations-property/pfas>



For translation assistance, visit **Translating and Interpreting Service (TIS) National**.

TIS National can supply telephone or on-site interpreting. The service is accessible from anywhere in Australia for the cost of a local call and is available 24 hours a day.

<https://www.tisnational.gov.au/>



## Preliminary Site Investigations (Salt Ash Air Weapons Range and RAAF Base Scherger)

Where required, Defence conducts preliminary investigations to review the historical use and storage of legacy firefighting foams at Defence sites. The findings of preliminary investigations are used to determine if further, more detailed, environmental investigations into PFAS are necessary. Current and past Preliminary Site Investigations are listed below.

### Salt Ash Air Weapons Range – Preliminary Site Investigation Complete

The Department of Defence has completed a Preliminary Site Investigation (PSI) on the Salt Ash Air Weapons Range, as part of a national environmental program to investigate and manage the presence of per- and poly- fluoroalkyl substances (PFAS), across the Defence estate.

The PSI involved a review of potential historical use, storage and disposal of legacy firefighting foam at the Range and included sampling of groundwater, surface water, soil and sediment. Sampling was primarily undertaken on the Range, with limited sampling undertaken in the surrounding area.

PFAS was only found in low concentrations and no exposure risks were identified. Based on the findings of the PSI, no further environmental investigations are required.

The full PSI report is available below as well as a Conceptual Site Model, Sampling and Analysis Quality Plan and a factsheet that summarise the findings.

### Salt Ash residents within the existing EPA PFAS Management Area

In November 2017, the NSW Environmental Protection Authority (EPA) designated a Management Area, as part of the nearby RAAF Base Williamtown Environmental Investigation. This Management Area is approximately 400 metres south-west of the Salt Ash Air Weapons Range.

### Salt Ash Air Weapons Range Reports

Technical information and analysis on the investigations undertaken on base.

2021	<a href="#">2020 Annual Interpretive Report (December 2021) - PDF - 9.8MB</a>
2018	<a href="#">Salt Ash Preliminary Site Investigation Report - Executive Summary (November 2018) AECOM - Report - PDF - 50KB</a>
2018	<a href="#">Salt Ash Preliminary Site Investigation Report - Report Body (November 2018) AECOM - Report - PDF - 80.2MB</a>
2018	<a href="#">Salt Ash Sampling and Analysis Quality Plan (November 2018) AECOM - Report - PDF - 15.8MB</a>
2018	<a href="#">Salt Ash Conceptual Site Model (November 2018) AECOM - Report - PDF - 13.6MB</a>

### Salt Ash Air Weapons Range Factsheets

Summarised information of risk assessments and investigation reports.

2021	<a href="#">Ongoing Monitoring and Remediation Update (December 2021) Factsheet - PDF - 568KB</a>
2018	<a href="#">Salt Ash Preliminary Site Investigation Findings (October 2018) Factsheet - PDF - 473KB</a>
2018	<a href="#">Salt Ash Preliminary Site Investigation Update (October 2018) Factsheet - PDF - 385KB</a>



## RAAF Base Scherger – Preliminary Site Investigation Complete

In January 2018, Defence finalised a Preliminary Site Investigation into per- and poly-fluoroalkyl substances (PFAS) at RAAF Base Scherger. Based on the findings of this report, it has been determined that there is currently no requirement for further environmental investigations into PFAS at and surrounding the Base.

The Preliminary Site Investigation involved the review of historical use, storage, and disposal of legacy firefighting foam and included sampling of soil, sediment, surface water, and groundwater, to identify where and when the foam was used, stored, and disposed (sources), and associated PFAS contamination at the property.

Key findings of the Preliminary Site Investigation:

- Sampling of soil, surface water, sediment and groundwater on base found PFAS was not widespread and only found in low concentrations.
- PFAS was not detected in the RAAF Base Scherger drinking water.
- Surface water from the base flows into Mission River, to the north and west of the base, through a drainage network and tributaries. The highest concentration of perfluorooctane sulfonic acid plus perfluorohexane sulfonic acid (PFOS+PFHxS) found in surface water on the base was below the drinking water guidelines.
- Previous investigations showed groundwater flowing in a west to north-west direction towards Mission River. The highest concentration of PFOS+PFHxS found in groundwater between the base and Mission River was below the drinking water guidelines.

The full Preliminary Site Investigation report is available below.

### RAAF Base Scherger Reports

Technical information and analysis on the investigations undertaken on base.

2017	<a href="#">Preliminary Site Investigation Report (October 2017) Report - Golder - PDF - 9.2MB</a>
2017	<a href="#">Preliminary Site Investigation Report - Figures Part 1 (October 2017) Report - Golder - PDF - 9.1MB</a>
2017	<a href="#">Preliminary Site Investigation Report - Figures Part 2 (October 2017) Report - Golder - PDF - 8.6MB</a>
2017	<a href="#">Preliminary Site Investigation Report - Tables (October 2017) Report - Golder - PDF - 852KB</a>

### Responses to Journalists (2016 – 2022)

Over 420 responses dating from June 2016 through to July 2022.

Please visit the current Defence website Media Releases page for the most up to date information: <https://www.defence.gov.au/news-events/releases>

2022	<a href="#">PFAS around RAAF Base Tindal and the Cossack area – 08 July 2022</a>
2022	<a href="#">PFAS removal technology trial and updates for the Jervis Bay Range Facility and HMAS Creswell area – 07 July 2022</a>
2022	<a href="#">PFAS around the Jervis Bay Range Facility and HMAS Creswell area – 07 July 2022</a>
2022	<a href="#">PFAS within the Cossack area – 16 June 2022</a>



2022	<a href="#"><u>PFAS remediation at RAAF Base Tindal – 16 June 2022</u></a>
2022	<a href="#"><u>PFAS clean up costs – 1 June 2022</u></a>
2022	<a href="#"><u>Blamey Barracks (Kapooka) PFAS Management Area Plan update – 4 April 2022</u></a>
2022	<a href="#"><u>Provision of scheme water to residents of West Bullsbrook - 3 February 2022</u></a>
2022	<a href="#"><u>RAAF Townsville Remediation Update - 1 February 2022</u></a>
2021	<a href="#"><u>Blamey Barracks (Kapooka) PFAS Management Area Plan update - 21 December 2021</u></a>
2021	<a href="#"><u>Katherine Community Consultation - 13 December 2021</u></a>
2021	<a href="#"><u>Williamtown Management Results - 2 October 2021</u></a>
2021	<a href="#"><u>Kapooka Project Control Group - 31 August 2021</u></a>
2021	<a href="#"><u>Bullsbrook PFAS testing - 15 July 2021</u></a>
2021	<a href="#"><u>Blamey Barracks (Kapooka) compensation - 13 July 2021</u></a>
2021	<a href="#"><u>Blamey Barracks (Kapooka) reports - 13 July 2021</u></a>
2021	<a href="#"><u>Edinburgh management update - 8 July 2021</u></a>
2021	<a href="#"><u>Blamey Barracks (Kapooka) report release - 28 June 2021</u></a>
2021	<a href="#"><u>Blamey Barracks (Kapooka) reports - 23 June 2021</u></a>
2021	<a href="#"><u>Blamey Barracks (Kapooka) investigation update - 8 June 2021</u></a>
2021	<a href="#"><u>Jervis Bay Range Facility groundwater trial - 2 June 2021</u></a>
2021	<a href="#"><u>PFAS migration modelling at RAAF Base Wagga - 5 March 2021</u></a>
2021	<a href="#"><u>Excavation at the RAAF Base Wagga Former Fire Training Area - 22 February 2021</u></a>
2021	<a href="#"><u>Jervis Bay PFAS environmental investigation and class action - 2 February 2021</u></a>



2020	<a href="#"><u>RAAF Williams Laverton Online Community Update - 13 November 2020</u></a>
2020	<a href="#"><u>Photon Water PFAS Groundwater Treatment Trial - 6 November 2020</u></a>
2020	<a href="#"><u>Katherine Water Support - 30 October 2020</u></a>
2020	<a href="#"><u>Katherine Water Support - 28 October 2020</u></a>
2020	<a href="#"><u>Northern Territory Power and Water Corporation Water Treatment Plant - 28 October 2020</u></a>
2020	<a href="#"><u>Jervis Bay Range Facility Update - 14 September 2020</u></a>
2020	<a href="#"><u>Supreme Court Action - 9 September 2020</u></a>
2020	<a href="#"><u>Williamtown Extension to Water Support Program - 3 September 2020</u></a>
2020	<a href="#"><u>Katherine Community Liaison Officer - 1 September 2020</u></a>
2020	<a href="#"><u>Lavarack Barracks PFAS Management Area Plan - 24 August 2020</u></a>
2020	<a href="#"><u>Jervis Bay Range Facility Update - 19 August 2020</u></a>
2020	<a href="#"><u>RAAF Base Townsville Investigation Update - 18 August 2020</u></a>
2020	<a href="#"><u>Lavarack Barracks PFAS Management Area Plan - 18 August 2020</u></a>
2020	<a href="#"><u>Bandiana Investigation Update - 14 August 2020</u></a>
2020	<a href="#"><u>Amberley Investigation Update - 22 June 2020</u></a>
2020	<a href="#"><u>Jervis Bay Investigation Update - 8 June 2020</u></a>
2020	<a href="#"><u>Class Action Settlement - 8 June 2020</u></a>
2020	<a href="#"><u>Katherine Ongoing Monitoring Update - 22 May 2020</u></a>
2020	<a href="#"><u>Jervis Bay Investigation Update - 22 April 2020</u></a>
2020	<a href="#"><u>Jervis Bay Investigation Update - 21 April 2020</u></a>



2020	<a href="#">Jervis Bay Investigation Update - 10 March 2020</a>
2020	<a href="#">Government Response to Parliamentary Inquiry - 4 March 2020</a>
2020	<a href="#">East Sale Investigation and PFAS Detects in Cattle - 4 March 2020</a>
2019	<a href="#">HMAS Cairns Investigation Trinity Inlet - 11 December 2019</a>
2019	<a href="#">East Sale Management Area Plan Update - 3 December 2019</a>
2019	<a href="#">RAAF Base Williamtown Pool - 29 November 2019</a>
2019	<a href="#">RAAF Base Richmond Cinema Upgrade and PFAS Investigation - 26 November 2019</a>
2019	<a href="#">Bandiana Investigation Update - 13 November 2019</a>
2019	<a href="#">Oakey Remediation Update - 5 November 2019</a>
2019	<a href="#">History of PFAS at Defence Sites - 31 October 2019</a>
2019	<a href="#">Class action and Program of Investigations - 29 October 2019</a>
2019	<a href="#">Statement on Amberley Investigation and Blood Testing - 28 October 2019</a>
2019	<a href="#">Bullsbrook Class Action Announcement - 25 October 2019</a>
2019	<a href="#">Amberley Investigation Follow-up - 23 October 2019</a>
2019	<a href="#">RAAF Base Pearce Investigation Update - 22 October 2019</a>
2019	<a href="#">Cairns PFAS Investigation Update - 22 October 2019</a>
2019	<a href="#">Summary of PFAS Investigations in Queensland - 21 October 2019</a>
2019	<a href="#">PFAS Investigations in the Darling Downs - 21 October 2019</a>
2019	<a href="#">Lavarack PFAS Investigation Follow Up - 21 October 2019</a>
2019	<a href="#">Lavarack PFAS Investigation Update - 21 October 2019</a>



2019	<a href="#"><u>Amberley PFAS Investigation Update - 21 October 2019</u></a>
2019	<a href="#"><u>PFAS Williamtown Update - 18 October 2019</u></a>
2019	<a href="#"><u>Singleton Military Area Update - 17 October 2019</u></a>
2019	<a href="#"><u>Williamtown CRG Shutdown - 16 October 2019</u></a>
2019	<a href="#"><u>Defence Use Of MatCare - 11 September 2019</u></a>
2019	<a href="#"><u>Forest Hill Sewage Treatment Plant - 3 September 2019</u></a>
2019	<a href="#"><u>Amberley Investigation Update - 27 August 2019</u></a>
2019	<a href="#"><u>Tindal PFAS Resin Regeneration Plant - 1 August 2019</u></a>
2019	<a href="#"><u>Williamtown Community Walk-in Session - 29 July 2019</u></a>
2019	<a href="#"><u>Comments on Katherine Class Action - 21 July 2019</u></a>
2019	<a href="#"><u>Status of next RAAF Base Edinburgh Community Engagement Event - 18 July 2019</u></a>
2019	<a href="#"><u>Presence of PFAS at Wide Bay Training Area - 18 July 2019</u></a>
2019	<a href="#"><u>Status of RAAF Base Wagga PFAS Management Area Plan - 5 July 2019</u></a>
2019	<a href="#"><u>PFAS Community Session at Gingin - 2 July 2019</u></a>
2019	<a href="#"><u>Community Interaction at Oakey - 28 June 2019</u></a>
2019	<a href="#"><u>PFAS Remediation at Williamtown - 21 June 2019</u></a>
2019	<a href="#"><u>Williamtown Investigation and Parliamentary Inquiry Update - 11 June 2019</u></a>
2019	<a href="#"><u>RAAF Base Edinburgh Human Health and Ecological Risk Assessment Report - 6 June 2019</u></a>
2019	<a href="#"><u>Follow up to Williamtown Investigation and Enquiry on Ministerial Responsibilities - 5 June 2019</u></a>
2019	<a href="#"><u>Williamtown Investigation and Enquiry on Ministerial Responsibilities - 31 May 2019</u></a>





2019	<a href="#">Oakey Remediation Update - 10 May 2019</a>
2019	<a href="#">Update on East Sale and Remediation - 9 May 2019</a>
2019	<a href="#">Edinburgh Human Health and Ecological Risk Assessment Update - 7 May 2019</a>
2019	<a href="#">Statement on Coalition Against PFAS Media Release - 23 April 2019</a>
2019	<a href="#">Follow up to Williamtown Funding Commitment - 18 April 2019</a>
2019	<a href="#">Williamtown Funding Commitment - 16 April 2019</a>
2019	<a href="#">Oakey Water Treatment Plant Update - 16 April 2019</a>
2019	<a href="#">Oakey Water Treatment Plant Update - 16 April 2019</a>
2019	<a href="#">Kapooka Investigation Update - 11 April 2019</a>
2019	<a href="#">Oakey Investigation Update - 3 April 2019</a>
2019	<a href="#">HMAS Cairns Preliminary Site Investigation - 29 March 2019</a>
2019	<a href="#">HMAS Cairns PSI Results - 29 March 2019</a>
2019	<a href="#">Questions on compensation - 28 March 2019</a>
2019	<a href="#">Amberley Precautionary Fish Consumption Advice - 22 March 2019</a>
2019	<a href="#">NT Power and Water Corporation Water Treatment Plant - 20 March 2019</a>
2019	<a href="#">Follow up to Defence Representative in Katherine - 18 March 2019</a>
2019	<a href="#">Defence Representative in Katherine - 15 March 2019</a>
2019	<a href="#">Follow up to Bullsbrook Water Supply Enquiry - 8 March 2019</a>
2019	<a href="#">Bullsbrook Water Supply - 6 March 2019</a>
2019	<a href="#">Townsville Precautionary Fish Consumption Advice - 1 March 2019</a>





2019	<a href="#">RAAF Base Tindal Water Treatment Plants - 25 February 2019</a>
2019	<a href="#">Toowoomba Second Range Crossing - 6 February 2019</a>
2019	<a href="#">RAAF Base Amberley Human Health Risk Assessment and Ecological Risk Assessment - 5 February 2019</a>
2019	<a href="#">RAAF Base Edinburgh Investigation Update - 4 February 2019</a>
2019	<a href="#">Follow up to RAAF Base Wagga Human Health and Ecological Risk Assessment Enquiry - 22 January 2019</a>
2019	<a href="#">RAAF Base Wagga Human Health and Ecological Risk Assessment - 17 January 2019</a>
2019	<a href="#">PFAS Program Update - 17 January 2019</a>
2018	<a href="#">Defence Remediation Commitments - 20 December 2018</a>
2018	<a href="#">Jervis Bay Range Facility Investigation - 18 December 2018</a>
2018	<a href="#">RAAF Base Edinburgh Investigation - 17 December 2018</a>
2018	<a href="#">Statement on RAAF Base Williamtown Investigation and Management - 14 December 2018</a>
2018	<a href="#">Use of foams at RAAF Base Williamtown - 5 December 2018</a>
2018	<a href="#">Statement on Salt Ash Public School - 4 December 2018</a>
2018	<a href="#">RAAF Base Amberley Investigation - 23 November 2018</a>
2018	<a href="#">RAAF Williams Investigation - 19 November 2018</a>
2018	<a href="#">Amberley Investigation - 16 November 2018</a>
2018	<a href="#">Edinburgh Investigation Update - 7 November 2018</a>
2018	<a href="#">Kapooka Investigation Update - 19 October 2018</a>
2018	<a href="#">Pearce Investigation Water Provision Update - 19 October 2018</a>
2018	<a href="#">RAAF Base Tindal Water Treatment Plants - 19 October 2018</a>



2018	<a href="#"><u>Jervis Bay Community Engagement - 10 October</u></a>
2018	<a href="#"><u>RAAF Williams Investigation Update - 8 October 2018</u></a>
2018	<a href="#"><u>Jervis Bay School Lilly Pilly Trees - 5 October 2018</u></a>
2018	<a href="#"><u>PFAS at Jervis Bay - 14 September 2018</u></a>
2018	<a href="#"><u>PFAS Investigation at Wreck Bay (Jervis Bay Range Facility) - 12 September 2018</u></a>
2018	<a href="#"><u>Jervis Bay Range Facility Investigation Questions - 6 September 2018</u></a>
2018	<a href="#"><u>Williamtown Investigation - 5 September 2018</u></a>
2018	<a href="#"><u>Jervis Bay Investigation Update - 31 August 2018</u></a>
2018	<a href="#"><u>Bandiana Investigation Update - 30 August 2018</u></a>
2018	<a href="#"><u>Port Stephens Council Submission to the Parliamentary Inquiry - 30 August 2018</u></a>
2018	<a href="#"><u>Katherine Water Supply - 28 August 2018</u></a>
2018	<a href="#"><u>Salt Ash Sampling - 17 August 2018</u></a>
2018	<a href="#"><u>RAAF Williams Water Use Survey - 14 August 2018</u></a>
2018	<a href="#"><u>Follow-up Questions on Salt Ash Investigation - 14 August 2018</u></a>
2018	<a href="#"><u>Salt Ash Air Weapons Range Investigation - 10 August 2018</u></a>
2018	<a href="#"><u>Gingin Investigation - 10 August 2018</u></a>
2018	<a href="#"><u>Katherine Class Action and Management Activities - 10 August 2018</u></a>
2018	<a href="#"><u>Forest Hill Sewerage Treatment Facility - 9 August 2018</u></a>
2018	<a href="#"><u>Forest Hill Sewerage Treatment Facility and Kapooka Drainage - 9 August 2018</u></a>
2018	<a href="#"><u>Response to Inquiry Submissions - 29 July 2018</u></a>



2018	<a href="#"><u>Response to the South Australia Submission to the PFAS Parliamentary Inquiry - 26 July 2018</u></a>
2018	<a href="#"><u>Oakey Water Treatment Plant and Parliamentary Inquiry - 26 July 2018</u></a>
2018	<a href="#"><u>PFAS on RAAF Base Wagga - 26 July 2018</u></a>
2018	<a href="#"><u>Oakey Water Treatment Plant - 24 July 2018</u></a>
2018	<a href="#"><u>Oakey Contaminated Waste Disposal - 19 July 2018</u></a>
2018	<a href="#"><u>HMAS Cerberus DSI Update - 19 July 2018</u></a>
2018	<a href="#"><u>Kapooka Environmental Investigations - 19 July 2018</u></a>
2018	<a href="#"><u>Kapooka Investigation - 19 July 2018</u></a>
2018	<a href="#"><u>Oakey Contaminated Waste Disposal Facilities - 20 July 2018</u></a>
2018	<a href="#"><u>Pearce Alternative Water Review - 23 July 2018</u></a>
2018	<a href="#"><u>Oakey Water Treatment Plant - 17 July 2018</u></a>
2018	<a href="#"><u>Katherine Water Treatment Plants - 16 July 2018</u></a>
2018	<a href="#"><u>Disposal of Contaminated Waste From Defence Bases - 14 July 2018</u></a>
2018	<a href="#"><u>Kapooka Detailed Environmental Investigation - 14 July 2018</u></a>
2018	<a href="#"><u>Lavarack Barracks Investigation Sampling - 12 July 2018</u></a>
2018	<a href="#"><u>Funding of Signs at Bremer and Warrill Creek - 11 July 2018</u></a>
2018	<a href="#"><u>Water Usage Payments in Williamtown - 10 July 2018</u></a>
2018	<a href="#"><u>Sampling of Ansulite at Richmond - 6 July 2018</u></a>
2018	<a href="#"><u>Upcoming Community Engagement For East Sale - 5 July 2018</u></a>
2018	<a href="#"><u>Oakey Community Engagement - 5 July 2018</u></a>



2018	<a href="#">Katherine Water Treatment Plant - 28 June 2018</a>
2018	<a href="#">Albatross Community Update - 28 June 2018</a>
2018	<a href="#">Williamstown Management Activities - 22 June 2018</a>
2018	<a href="#">East Sale Livestock Results - 22 June 2018</a>
2018	<a href="#">Queensland Health Precautionary Advice Signposting - 20 June 2018</a>
2018	<a href="#">RAAF Base Amberley Preliminary Results - 20 June 2018</a>
2018	<a href="#">ToxConsult PFAS Guidance Values - 19 June 2018</a>
2018	<a href="#">Defence Statement on Queensland Health Precautionary Advice - 15 June 2018</a>
2018	<a href="#">Amberley Contaminated Water Disposal - 13 June 2018</a>
2018	<a href="#">Bandiana Investigation Update - 13 June 2018</a>
2018	<a href="#">Currumbene Creek NSW Advice - 15 May 2018</a>
2018	<a href="#">NSW Government Currumbene Creek Advice - 15 May 2018</a>
2018	<a href="#">NSW Government Currumbene Creek Advice &amp; PFAS Taskforce Announcement - 15 May 2018</a>
2018	<a href="#">Townsville DSI Report Release - 4 May 2018</a>
2018	<a href="#">Edinburgh Sampling Numbers - 12 April 2018</a>
2018	<a href="#">HMAS Albatross Investigation - 11 April 2018</a>
2018	<a href="#">Types of PFAS Testing - 09 April 2018</a>
2018	<a href="#">Edinburgh Investigation Update - 6 April 2018</a>
2018	<a href="#">RAAF Base Wagga DSI Update - 29 March 2018</a>
2018	<a href="#">RAAF Base Wagga Environmental Investigation Update - 9 March 2018</a>



2018	<a href="#"><u>RAAF Base Pearce Environmental Investigation - 5 March 2018</u></a>
2018	<a href="#"><u>Unintended Discharge of Ansulite at RAAF Base Tindal - 5 March 2018</u></a>
2018	<a href="#"><u>DSI Report Dates for WA Sites - 28 February 2018</u></a>
2018	<a href="#"><u>Update on Oakey Town Water Connections - 27 February 2018</u></a>
2018	<a href="#"><u>Holsworthy Investigation Information - 26 February 2018</u></a>
2018	<a href="#"><u>Defence Media Training And Development Courses - 14 February 2018</u></a>
2018	<a href="#"><u>Defence Payment of Water Usage Costs Within The Williamtown Management Area - 13 February 2018</u></a>
2018	<a href="#"><u>Jervis Bay Investigation Update and Initial Findings - 12 February 2018</u></a>
2018	<a href="#"><u>Provision of Alternative Drinking Water in Pearce Region - 6 February 2018</u></a>
2018	<a href="#"><u>Williamtown Water Usage Initiative - 1 February 2018</u></a>
2018	<a href="#"><u>Proposed Works At Randwick Barracks - 31 January 2018</u></a>
2018	<a href="#"><u>Detailed Site Investigation at RAAF Base Amberley - 17 January 2018</u></a>
2018	<a href="#"><u>Sampling at RAAF Base Townsville - 16 January 2018</u></a>
2018	<a href="#"><u>Williamtown Trade Waste and PFAS Testing - 5 January 2018</u></a>
2017	<a href="#"><u>RAAF Base Wagga Environmental Investigation - 22 December 2017</u></a>
2017	<a href="#"><u>RAAF Base Wagga Investigation Update - 18 December 2017</u></a>
2017	<a href="#"><u>Environmental Investigation at Bandiana - 15 December 2017</u></a>
2017	<a href="#"><u>RAAF Base Pearce Investigation - 15 December 2017</u></a>
2017	<a href="#"><u>PFAS Sample Results at WA Sites - 15 December 2017</u></a>
2017	<a href="#"><u>East Sale PFAS Investigation Update - 12 December 2017</u></a>



2017	<a href="#"><u>PFAS In Katherine Fish - 12 December 2017</u></a>
2017	<a href="#"><u>PFAS RAAF Base Townsville and Lavarack Barracks - 11 December 2017</u></a>
2017	<a href="#"><u>PFAS Environmental Investigation At RAAF Base Pearce - 11 December 2017</u></a>
2017	<a href="#"><u>Katherine Ground Water Sample Results - 11 December 2017</u></a>
2017	<a href="#"><u>PFAS Testing In Darwin - 9 December 2017</u></a>
2017	<a href="#"><u>Ipswich Waterway Testing - 8 December 2017</u></a>
2017	<a href="#"><u>East Sale Investigation Findings and Testing - 7 December 2017</u></a>
2017	<a href="#"><u>Pearce Investigation Update - 6 December 2017</u></a>
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2017	<a href="#"><u>Tindal Interim Human Health Risk Assessment - 6 December 2017</u></a>
2017	<a href="#"><u>Tindal and Katherine Pool Results - 5 December 2017</u></a>
2017	<a href="#"><u>PFAS Investigation at Holsworthy Barracks - 24 November 2017</u></a>
2017	<a href="#"><u>PFAS Investigations at RAAF Base Amberley and Army Aviation Centre Oakey - 22 November 2017</u></a>
2017	<a href="#"><u>RAAF Base Amberley Investigation Update - 21 November 2017</u></a>
2017	<a href="#"><u>NSW EPA Sampling In The Shoalhaven - 14 November 2017</u></a>
2017	<a href="#"><u>Katherine Water Treatment Plant Waste - 7 November 2017</u></a>
2017	<a href="#"><u>Tindal Pool Testing Continued - 6 November 2017</u></a>
2017	<a href="#"><u>Tindal Pool Testing - 2 November 2017</u></a>
2017	<a href="#"><u>RAAF Base East Sale Investigation Update - 2 November 2017</u></a>
2017	<a href="#"><u>Remediation At Williamtown - 2 November 2017</u></a>



2017	<a href="#">Former Firefighter Blood Testing WA - 19 October 2017</a>
2017	<a href="#">Oakey Produce - 24 October 2017</a>
2017	<a href="#">National PFAS Plan - 24 October 2017</a>
2017	<a href="#">Preliminary Sampling Program and Detailed Environmental Investigation at Bandiana Military Area - 23 October 2017</a>
2017	<a href="#">PFAS Investigation at Heart Morass Wetlands - 23 October 2017</a>
2017	<a href="#">HMAS Cerberus Update - 20 October 2017</a>
2017	<a href="#">Katherine Rainwater Tanks - 20 October 2017</a>
2017	<a href="#">Point Cook Remediation - 20 October 2017</a>
2017	<a href="#">Wagga Investigation Report - 19 October 2017</a>
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2017	<a href="#">Tindal Investigation and Blood Testing - 12 October 2017</a>
2017	<a href="#">National PFAS Investigation Program - 11 October 2017</a>
2017	<a href="#">HMAS Albatross and Creswell Investigation Update 11 October 2017</a>
2017	<a href="#">HMAS Albatross Investigation Update - 11 October 2017</a>
2017	<a href="#">Water Sampling Inside and Outside of the NSW EPA Investigation Area - 11 October 2017</a>
2017	<a href="#">HMAS Albatross and Jervis Bay (HMAS Creswell) Investigation Update - 11 October 2017</a>





2017	<a href="#"><u>PFAS Wagga Investigation Update - 11 October 2017</u></a>
2017	<a href="#"><u>Tindal Pool - 10 October 2017</u></a>
2017	<a href="#"><u>RAAF Base Wagga Investigation and Water Use - 10 October 2017</u></a>
2017	<a href="#"><u>Heart Morass Wetland PFAS Advice - 10 October 2017</u></a>
2017	<a href="#"><u>Williamtown Community Engagement - 9 October 2017</u></a>
2017	<a href="#"><u>Williamtown Community Engagement and Program Costs - 9 October 2017</u></a>
2017	<a href="#"><u>PFAS Investigation Sites Follow-up - 5 October 2017</u></a>
2017	<a href="#"><u>Heart Morass Wetland EPA Victoria Recommendations - 5 October 2017</u></a>
2017	<a href="#"><u>PFAS in Katherine - 3 October 2017</u></a>
2017	<a href="#"><u>PFAS Investigation Sites - 3 October 2017</u></a>
2017	<a href="#"><u>Katherine Water Treatment Plant - 3 October 2017</u></a>
2017	<a href="#"><u>Monitoring and Management of RAAF Base Williamtown PFAS Contamination - 27 September 2017</u></a>
2017	<a href="#"><u>Oakey Water Treatment Plant - 26 September 2017</u></a>
2017	<a href="#"><u>3M Training Firefighting Foam - 23 September 2017</u></a>
2017	<a href="#"><u>Katherine Water Treatment Plant - 6 September 2017</u></a>
2017	<a href="#"><u>Detailed Environmental Investigation in Cerberus - 25 August 2017</u></a>
2017	<a href="#"><u>Residential Sampling and Water Treatment Plant in the Katherine Area - 24 August 2017</u></a>
2017	<a href="#"><u>Katherine Water Treatment Plant - 22 August 2017</u></a>
2017	<a href="#"><u>Detailed Environmental Investigation In Wagga - 17 August 2017</u></a>
2017	<a href="#"><u>Information About PFAS Sampling - 17 August 2017</u></a>



2017	<a href="#"><u>RAAF Edinburgh PFAS Update - 16 August 2017</u></a>
2017	<a href="#"><u>RAAF Base Edinburgh PFAS Meeting With Playford Council - 14 August 2017</u></a>
2017	<a href="#"><u>Fullerton Cove Testing - 10 August 2017</u></a>
2017	<a href="#"><u>Townsville Investigation Update - 9 August 2017</u></a>
2017	<a href="#"><u>Blood Testing Program for Oakey Residents - 4 August 2017</u></a>
2017	<a href="#"><u>Bristow Report Into Contamination at Army Aviation Centre Oakey - 31 July 2017</u></a>
2017	<a href="#"><u>Comment Regarding Oakey Statement of Claim - 27 July 2017</u></a>
2017	<a href="#"><u>PFAS Contamination - 13 July 2017</u></a>
2017	<a href="#"><u>Statement Regarding Oakey Legal Action - 11 July 2017</u></a>
2017	<a href="#"><u>PFAS Analysis Methodology - 11 July 2017</u></a>
2017	<a href="#"><u>Surface Water Samples From Dawsons Drain Williamtown - 9 July 2017</u></a>
2017	<a href="#"><u>Detailed Environmental Investigation in Townsville - 8 July 2017</u></a>
2017	<a href="#"><u>Australian Laboratory Services testing at Williamtown - 4 July 2017</u></a>
2017	<a href="#"><u>PFAS Contamination at Stokes Hill Naval Fuel Installation - 23 June 2017</u></a>
2017	<a href="#"><u>Environmental Investigation at Northern Territory Bases - 23 June 2017</u></a>
2017	<a href="#"><u>Environmental Investigation and Property Valuation in Katherine - 20 June 2017</u></a>
2017	<a href="#"><u>Environmental Investigation at RAAF Base East Sale - 14 June 2017</u></a>
2017	<a href="#"><u>Community information lines for PFAS enquiries including those for RAAF Base Pearce firefighters - 10 June 2017</u></a>
2017	<a href="#"><u>Use of firefighting foams at RAAF Base Pearce and Senate Budget Estimates hearings - 6 June 2017</u></a>
2017	<a href="#"><u>Sediment removal at Army Aviation Centre Oakey - 2 June 2017</u></a>



2017	<a href="#">Environmental Investigation in Wagga - 2 June 2017</a>
2017	<a href="#">Human Health Precautionary Measures for Firefighters at RAAF Base Pearce - 1 June 2017</a>
2017	<a href="#">Contamination investigations at Randwick Barracks and future plans - 19 May 2017</a>
2017	<a href="#">Response to Professor Mark Taylor's Review of the NSW Environment Protection Authority's Management of Contaminated Sites Report - 16 May 2017</a>
2017	<a href="#">Ansulite Use at RAAF Base Pearce - 16 May 2017</a>
2017	<a href="#">Preliminary Sampling Program at RAAF Base Wagga - 15 May 2017</a>
2017	<a href="#">Drinking Water in Katherine - 11 May 2017</a>
2017	<a href="#">PFAS Environmental Program at RAAF Base Wagga - 10 May 2017</a>
2017	<a href="#">Monitoring the Use of Aqueous Film Forming Foams and Ansulite - 1 May 2017</a>
2017	<a href="#">PFAS Investigation and Management at RAAF Base Tindal - 1 May 2017</a>
2017	<a href="#">HMAS Albatross Sampling Result Update - 26 April 2017</a>
2017	<a href="#">HMAS Cerberus Community Walk-in Session and Detailed Investigation - 24 April 2017</a>
2017	<a href="#">Phasing out the use of PFOS and PFOA as active ingredients in firefighting foams - 19 April 2017</a>
2017	<a href="#">Defence Statement on the Use of Firefighting Foam Ansulite - 10 April 2017</a>
2017	<a href="#">FSANZ Guidelines And NT Investigations - 10 April 2017</a>
2017	<a href="#">Detailed Environmental Investigation in Oakey 7 April 2017</a>
2017	<a href="#">New FSANZ Guidelines For PFAS 5 April 2017</a>
2017	<a href="#">Release of FSANZ health based guidance values for PFAS - 5 April 2017</a>
2017	<a href="#">Oakey 2017 Environmental Investigation Community Survey 1 - 4 April 2017</a>
2017	<a href="#">Oakey 2017 Environmental Investigation Community Survey 2 - 4 April 2017</a>



2017	<a href="#"><u>Oakey 2017 Environmental Investigation Community Survey 3 - 4 April 2017</u></a>
2017	<a href="#"><u>Oakey 2017 Environmental Investigation Community Survey 4 - 4 April 2017</u></a>
2017	<a href="#"><u>PFAS investigation at RAAF Base Edinburgh - 29 March 2017</u></a>
2017	<a href="#"><u>PFAS Management and Remedial Technologies - 23 March 2017</u></a>
2017	<a href="#"><u>RAAF Base Amberley Community Walk-ins and investigation findings - 22 March 2017</u></a>
2017	<a href="#"><u>PFAS Investigations Results and Findings - 22 March 2017</u></a>
2017	<a href="#"><u>Oakey Community Survey - 22 March 2017</u></a>
2017	<a href="#"><u>RAAF Base Wagga PFAS investigation - 21 March 2017</u></a>
2017	<a href="#"><u>RAAF Base Townsville detailed investigation - 7 March 2017</u></a>
2017	<a href="#"><u>RAAF Base Edinburgh investigation update - 21 February 2017</u></a>
2017	<a href="#"><u>Oakey Town Water Connection - 10 February 2017</u></a>
2017	<a href="#"><u>RAAF Base Townsville Investigation - 10 February 2017</u></a>
2017	<a href="#"><u>RAAF Base Townsville Investigation Update - 10 February 2017</u></a>
2017	<a href="#"><u>Tindal Investigations and Human Health Risk Assessments - 10 February 2017</u></a>
2017	<a href="#"><u>RAAF Base Tindal and Darwin Investigations - 10 February 2017</u></a>
2017	<a href="#"><u>RAAF Base Wagga investigation - 16 January 2017</u></a>
2017	<a href="#"><u>PFAS Matters in MYEFO 16-17 - 13 January 2017</u></a>
2017	<a href="#"><u>RAAF Base Tindal Water Provision Update - 12 January 2017</u></a>
2016	<a href="#"><u>NT Water Provision - 23 December 2016</u></a>
2016	<a href="#"><u>Williamtown Reticulation Program Update - 22 December 2016</u></a>



2016	<a href="#"><u>RAAF Base Tindal water provision update - 21 December 2016</u></a>
2016	<a href="#"><u>Oakey Remediation Works 1 - 19 December 2016</u></a>
2016	<a href="#"><u>Oakey Remediation Works 2 - 19 December 2016</u></a>
2016	<a href="#"><u>HMAS Albatross Community Engagement - 9 December 2016</u></a>
2016	<a href="#"><u>RAAF Tindal water provision - 1 December 2016</u></a>
2016	<a href="#"><u>HMAS Stirling investigations - 25 November 2016</u></a>
2016	<a href="#"><u>RAAF Base Edinburgh update - 24 November 2016</u></a>
2016	<a href="#"><u>Williamtown investigations and compensation - 22 November 2016</u></a>
2016	<a href="#"><u>Williamtown class action 1 - 22 November 2016</u></a>
2016	<a href="#"><u>Williamtown class action 2 - 22 November 2016</u></a>
2016	<a href="#"><u>PFAS investigations Holsworthy Barracks - 22 November 2016</u></a>
2016	<a href="#"><u>Williamtown blood testing - 22 November 2016</u></a>
2016	<a href="#"><u>RAAF Base Townsville community meetings - 18 November 2016</u></a>
2016	<a href="#"><u>HMAS Cerberus investigations - 18 November 2016</u></a>
2016	<a href="#"><u>RAAF Base Townsville water provisions - 18 November 2016</u></a>
2016	<a href="#"><u>RAAF Base Wagga PSP - 18 November 2016</u></a>
2016	<a href="#"><u>RAAF Base Townsville - 10 November 2016</u></a>
2016	<a href="#"><u>PSP RAAF Base Townsville and RAAF Base Amberley - 4 November 2016</u></a>
2016	<a href="#"><u>RAAF Base Tindal water - 4 November 2016</u></a>
2016	<a href="#"><u>RAAF Base Tindal Water 1 - 3 November 2016</u></a>



2016	<a href="#">RAAF Base Tindal Water 2 - 3 November 2016</a>
2016	<a href="#">PSP RAAF Base Townsville - 2 November 2016</a>
2016	<a href="#">Oakey Remediation Works - 28 October 2016</a>
2016	<a href="#">RAAF Base Tindal Investigations - 28 October 2016</a>
2016	<a href="#">RAAF Base Tindal PSP investigation - 26 October 2016</a>
2016	<a href="#">RAAF Base Pearce Assessments - 25 October 2016</a>
2016	<a href="#">Oakey Preliminary ERA release - 25 October 2016</a>
2016	<a href="#">RAAF Base Tindal 2 - 18 October 2016</a>
2016	<a href="#">Edinburgh PFAS investigations - 17 October 2016</a>
2016	<a href="#">RAAF Base Tindal - 17 October 2016</a>
2016	<a href="#">RAAF Base Pearce Investigation 2 - 13 October 2016</a>
2016	<a href="#">RAAF Base Edinburgh consultations - 10 October 2016</a>
2016	<a href="#">RAAF Amberley Preliminary Sampling Program- 6 October 2016</a>
2016	<a href="#">RAAF Base Pearce Investigations - 04 October 2016</a>
2016	<a href="#">Preliminary sampling program at RAAF Base Townsville - 30 September 2016</a>
2016	<a href="#">Oakey ERA update - 30 September 2016</a>
2016	<a href="#">HMAS Albatross and HMAS Creswell investigations - 29 September 2016</a>
2016	<a href="#">Army Aviation Centre Oakey PFAS - 27 September 2016</a>
2016	<a href="#">PFAS investigations at RAAF Edinburgh - 16 September 2016</a>
2016	<a href="#">Oakey PFAS update - 13 September 2016</a>



2016	<a href="#">Williamtown Town Water - 09 September 2016</a>
2016	<a href="#">RAAF Base Edinburgh PFAS Sampling 2 - 08 September 2016</a>
2016	<a href="#">RAAF Base Tindal Preliminary Sampling Program - 07 September 2016</a>
2016	<a href="#">Preliminary Sampling at RAAF Base Townsville clarification - 06 September 2016</a>
2016	<a href="#">Preliminary sampling program at RAAF Base Townsville - 06 September 2016</a>
2016	<a href="#">RAAF Base Edinburgh PFAS Sampling - 05 September 2016</a>
2016	<a href="#">Update on Government PFAS commitments to Williamtown - 3 September 2016</a>
2016	<a href="#">Oakey PFAS Contamination - 2 September 2016</a>
2016	<a href="#">PFOS investigation at RAAF Amberley - 1 September 2016</a>
2016	<a href="#">PFAS testing at HMAS Albatross- 29 August 2016</a>
2016	<a href="#">PFAS - RAAF Base Townsville - 26 August 2016</a>
2016	<a href="#">HMAS Cairns PFOS Testing - 26 August 2016</a>
2016	<a href="#">RAAF Base Pearce Contamination and Community Meeting - 24 August 2016</a>
2016	<a href="#">Oakey Blood Testing Reimbursement - 19 August 2016</a>
2016	<a href="#">HMAS Creswell and HMAS Albatross Update - 18 August 2016</a>
2016	<a href="#">Response to Reporting by News.com.au on preliminary sampling testing - 17 August 2016</a>
2016	<a href="#">Response to Reporting by the Townsville Bulletin on release of preliminary sampling testing - 17 August 2016</a>
2016	<a href="#">Oakey Water Contamination - 16 August 2016</a>
2016	<a href="#">RAAF Base Townsville Investigation - 15 August 2016</a>
2016	<a href="#">HMAS Albatross and Jervis Bay Update - 14 August 2016</a>





2016	<a href="#">PFAS Investigations at Oakey, Albatross, Pearce and East Sale - 14 August 2016</a>
2016	<a href="#">RAAF Base Townsville Sampling Program - 10 August 2016</a>
2016	<a href="#">Testing at RAAF Base Edinburgh - 05 August 2016</a>
2016	<a href="#">Oakey Community Action - 03 August 2016</a>
2016	<a href="#">Community Information Session at Oakey - 26 July 2016</a>
2016	<a href="#">Investigations at HMAS Albatross, HMAS Cerberus and Airport Rd, Albion Park - 25 July 2016</a>
2016	<a href="#">Testing Results at RAAF Base Edinburgh - 21 July 2016</a>
2016	<a href="#">Preliminary Sampling Program at RAAF Base Amberley - 12 July 2016</a>
2016	<a href="#">Oakey Community Engagement - 12 July 2016</a>
2016	<a href="#">EPA Testing at RAAF Base Edinburgh - 11 July 2016</a>
2016	<a href="#">Community Engagement at RAAF Base Edinburgh - 11 July 2016</a>
2016	<a href="#">Testing at RAAF Base Edinburgh - 11 July 2016</a>
2016	<a href="#">Aqueous Film Forming Foams Stockpiles at RAAF Base Townsville and Bore Water Test Results - 08 July 2016</a>
2016	<a href="#">PFOS and PFOA Stockpiles at Toowoomba - 08 July 2016</a>
2016	<a href="#">PFOS and PFOA Stockpiles at Defence Bases - 08 July 2016</a>
2016	<a href="#">Queensland Government Ban on PFOS and PFOA - 08 July 2016</a>
2016	<a href="#">RAAF Base Pearce Bore Testing - 06 July 2016</a>
2016	<a href="#">Oakey Soil Testing - 06 July 2016</a>
2016	<a href="#">Testing at RAAF Base Williamtown - 30 June 2016</a>
2016	<a href="#">Williamtown Records - 30 June 2016</a>



2016	<a href="#">Investigation at RAAF Base Edinburgh - 30 June 2016</a>
2016	<a href="#">Trade Waste Agreement - 29 June 2016</a>
2016	<a href="#">Expansion Activities at RAAF Base Williamtown - 24 June 2016</a>
2016	<a href="#">Expansion Activities at RAAF Base Williamtown - 23 June 2016</a>
2016	<a href="#">Testing at GinGin - 21 June 2016</a>
2016	<a href="#">Water Contamination at Oakey - 21 June 2016</a>
2016	<a href="#">Water Tests at Oakey - 20 June 2016</a>
2016	<a href="#">Testing at Bullsbrook - 15 June 2016</a>
2016	<a href="#">Standing Contract between Defence and Townsville and Darwin Airports - 15 June 2016</a>
2016	<a href="#">Water Treatment Plant at RAAF Base Williamtown - 14 June 2016</a>
2016	<a href="#">Preliminary Sampling Results at RAAF Base Townsville - 14 June 2016</a>
2016	<a href="#">Chemical Names - 14 June 2016</a>
2016	<a href="#">Oakey Environmental Investigation - 14 June 2016</a>
2016	<a href="#">Letter to Salisbury Residents - 14 June 2016</a>
2016	<a href="#">Townville Airport Investigation - 12 June 2016</a>
2016	<a href="#">CRC Care Developed Technology - 10 June 2016</a>
2016	<a href="#">Letter to Oakey Residents - 10 June 2016</a>
2016	<a href="#">Watercourse Testing at RAAF Base Edinburgh - 10 June 2016</a>
2016	<a href="#">Material Safety Data Sheet from 3M - 8 June 2016</a>
2016	<a href="#">Information Session at Oakey - 7 June 2016</a>



2016 [Testing at HMAS Cerberus - 7 June 2016](#)

2016 [RAAF Base Edinburgh Preliminary Sampling Program - 7 June 2016](#)

## Releases, Corrections & Statements (1987, 2016 – 2017)

### Defence Statements

#### Current PFAS Investigation and Remediation Snapshot

On Friday 26 November 2021, the Department of Defence was a witness at the Joint Standing Committee (JSC) on Foreign Affairs, Defence and Trade's sub-committee Remediation of PFAS-related impacts ongoing scrutiny and review public hearing. Deputy Secretary, Estate and Infrastructure, Ms Celia Perkins, agreed at that meeting that Defence would publish the Current PFAS Investigation and Remediation Snapshot tabled at the meeting, on the Investigation and Management Program website.

#### Queensland Health Precautionary Advice

Defence has shared with relevant Queensland Authorities including the Department of Health all of its sampling results from its Detailed Environmental Investigation being conducted at RAAF Amberley. This facilitates those authorities being able to issue any precautionary advisories which are considered necessary to reduce exposure to PFAS. This is consistent with the approach taken for PFAS environmental investigations across all other jurisdictions.

All advisories arising from Defence PFAS Environmental Investigations have been issued by the relevant state or territory environmental health regulator. Defence does not have an environmental health regulatory role, however, it widely publicises these advisories in all engagements it undertakes with community members.

In April 2018 as part of the PFAS investigation at and around RAAF Base Amberley, initial testing for PFAS was conducted on seafood (mullet, catfish and eel) in the Bremer River and Warrill Creek. As per standard practice, Defence provided the results of this testing to Queensland Health as the appropriate authority.

Queensland Health conducted an assessment using the initial testing results and has issued the precautionary advice that fish caught in the Bremer River or Warrill Creek near RAAF Base Amberley should not be consumed.

Further testing and analysis will be carried out by Defence as part of the Human Health Risk Assessment (HHRA) being undertaken as part of the environmental investigation. This testing will include tests of other species of more popular edible fish in the area.

Defence is committed to regularly updating the community throughout the investigation and will be letter box dropping all residents in the Investigation Area detailing this precautionary advice and updating the community on further sampling to be conducted in the process of finalising the HHRA. This is precautionary advice, based on preliminary test results, and we will keep the community and recreational fishers updated as the investigation progresses.



### Four Corners PFAS Program

Defence is committed to being open and transparent about its management of environmental investigations and remediation efforts at PFAS affected Defence Bases and in communities.

In keeping with this commitment Defence invited the ABC Australia's Four Corners program to visit RAAF Base Williamtown on the fourth of October. Defence hosted the visit and participated in an hour long interview with Four Corners, addressing every question regarding PFAS contamination. A statement regarding the Four Corners PFAS Program, including a full transcript of the Four Corners interview with Steve Grzeskowiak, Deputy Secretary Estate and Infrastructure Group, is available below.

2017

[Statement Regarding Four Corners PFAS Program](#)

### 1987 Tindal Environmental Contingency Plan

The Department of Defence commissioned an Environmental Management Plan for the operation of RAAF Base Tindal in 1987. This plan consisted of ten task-specific management plans, including the Environmental Contingency Plan, prepared by Kinhill Engineers Pty Ltd.

The Environmental Contingency Plan contemplated the risk and mitigation for 19 different contingency events, including release of firefighting foam to the environment. Appendix F to the plan included procedural requirements for foam systems published by the Department of Housing and Construction and information about the foam published by 3M.

The plan was concerned primarily with the collection and proper treatment of foam residues, recognising that the release of large amounts of foam to the environment would cause adverse effects because foam can suffocate living organisms. Based on the scientific understanding of the time, the plan stated that "AFFF and its components are not considered to be dangerous substances, nor are they harmful to the aquatic environment after proper treatment" and "Because of the small proportion of fluorocarbons in AFFF and of the high degree of dilution during treatment and in receiving waters, fluorocarbons are not significant environmental contaminants".

The plan did not provide any advice regarding the potential for long range environmental transport of PFAS, nor its persistence in the environment or propensity to bioaccumulate. The science on those aspects was not developed at that time.

Defence now understands that the recommended methods of treating firefighting foam in sewage treatment plants did not remove PFOS and other persistent chemical residues in the foam.

A copy of the full plan is available below.

1987

[1987 Tindal Environmental Contingency Plan](#)

### Corrections to the record

2017

[13 Sep 2017: Letter to the Editor of the Katherine Times](#)

2017

[26 July 17: Letter to the Editor of the Guardian Australia regarding Defence actions at RAAF Base Williamtown](#)

2017

[1 June 17: Letter to the Editor of the Newcastle Herald regarding access to blood tests](#)

2016

[19 Nov 16: Response to reporting by the Newcastle Herald on guidelines within the Human Health Risk Assessment](#)



2016	<a href="#">12 Sep 16: Response to reporting by the Newcastle Herald on connecting properties outside of the Williamtown investigation area to town water</a>
2016	<a href="#">31 Aug 16: Response to reporting by the Toowoomba Chronicle on contamination near Army Aviation Centre Oakey</a>
2016	<a href="#">17 Aug 16: Response to reporting by the Townsville Bulletin on release of preliminary sampling testing</a>
2016	<a href="#">17 Aug 16: Response to reporting by News.com.au on release of preliminary sampling testing</a>
2016	<a href="#">11 Aug 16: Response to reporting by ABC on contamination near Army Aviation Centre Oakey2</a>
2016	<a href="#">17 Jul 16: Response to reporting on the Department of Defence's stockpiles of aqueous film forming foams in the Courier Mail</a>

### Australian Government Media Releases

2019	<a href="#">Release of Expanded Precautionary Advice for the Consumption of Fish in the Amberley Investigation Area and Downstream Locations - March 2019</a>
2018	<a href="#">Response to News Articles Regarding the Chair of PFAS Expert Health Panel - August 2018</a>
2018	<a href="#">Expert Health Panel's Independent PFAS Advice - 7 May 2018</a>
2018	<a href="#">Australian Government Support for PFAS Management - 7 May 2018</a>
2018	<a href="#">Interim Human Health Risk Assessment for RAAF Base Tindal and Surrounding Communities - 8 January 2018</a>
2017	<a href="#">New Research Program to Tackle PFAS – 13 December 2017</a>
2017	<a href="#">Community Support Package for Katherine - 3 December 2017</a>
2017	<a href="#">Expert Health Panel for PFAS – 1 November 2017</a>
2017	<a href="#">Water Treatment Plant to be Provided to Katherine Community to Assist with Management of PFAS – 08 August 2017</a>
2016	<a href="#">Review of Safety Standards for PFAS Chemicals Released – 09 September 2016</a>
2016	<a href="#">Independent Review of toxicity levels of PFAS chemicals - 04 August 2016</a>

### Preliminary Sampling Program Reports and Factsheets (2016)

2016	<a href="#">Preliminary Sampling Program - Main Report (Without Appendices) - GHD - 1MB</a>
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2016 [Preliminary Sampling Program - Full Report - GHD - 44.6MB](#)

### **Preliminary Sampling Program Reports - Appendices**

2016 [Preliminary Sampling Program - GHD - RAAF Base Townsville - 6.7MB](#)

2016 [Preliminary Sampling Program - GHD - RAAF Base Amberley - 3.1MB](#)

2016 [Preliminary Sampling Program - GHD - RAAF Base Richmond - 9.3MB](#)

2016 [Preliminary Sampling Program - GHD - Holsworthy Barracks - 4.7MB](#)

2016 [Preliminary Sampling Program - GHD - RAAF Base Wagga - 2.3MB](#)

2016 [Preliminary Sampling Program - GHD - Jervis Bay Range Facility and HMAS Creswell - 6.6MB](#)

2016 [Preliminary Sampling Program - GHD - Bandiana Military Area - 3.5MB](#)

2016 [Preliminary Sampling Program - GHD - HMAS Cerberus - 2.9MB](#)

2016 [Preliminary Sampling Program - GHD - HMAS Stirling \(Garden Island\)- 2.1MB](#)

2016 [Preliminary Sampling Program - GHD - RAAF Base Tindal - 2.4MB](#)

2016 [Preliminary Sampling Program - GHD - RAAF Base Darwin - 4.5MB](#)

2016 [Preliminary Sampling Program - GHD - Robertson Barracks- 6.8MB](#)

### **General Factsheets**

2016 [PFAS Management and Remedial Options – Update on Defence Soil Solidification and Stabilisation Trials - December 2016 Factsheet - PDF - 181KB](#)

2016 [PFAS Environmental Investigation Sampling – October 2016 Factsheet - PDF - 86KB](#)

2016 [PFAS Management and Remedial Options – November 2016 Factsheet – PDF - 63KB](#)

2016 [PFAS Preliminary Sampling Program - June 2016 Factsheet - PDF - 53KB](#)



## enHealth Factsheets (June 2016)

**Environmental Health Standing Committee (enHealth) Guidance Statements:** The Guidance Statements provide guidance on the potential health impacts from exposure to three types of PFAS - perfluorooctane sulfonate (PFOS), perfluorohexane sulfonate (PFHxS) and perfluorooctanoic acid (PFOA); the major human exposure pathways; the development of interim health reference values for PFOS and PFOA; breast feeding and pregnancy; and blood tests. The Guidance Statements were developed by enHealth and endorsed by the Australian Health Protection Principal Committee in June 2016.

2016	<a href="#">Guidance Statements on Per- and Poly-fluoroalkyl Substances Factsheet - PDF - 64KB</a>
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2016	<a href="#">Guidance Statements on Per- and Poly-fluoroalkyl Substances Factsheet - Word - 45KB</a>
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**Australian Health Protection Principal Committee AHPPC) Factsheet:** The Per- and poly-fluoroalkyl substances Factsheet (the Factsheet) provides general information to the public about three types of PFAS - PFOS, PFHxS and PFOA. The Factsheet was developed by enHealth and endorsed by the AHPPC in June 2016.

2016	<a href="#">Per- and poly-fluoroalkyl substances Factsheet - PDF - 70KB</a>
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2016	<a href="#">Per- and poly-fluoroalkyl substances Factsheet - Word 32KB</a>
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**enHealth Statement: Interim national guidance on human health reference values for per- and poly-fluoroalkyl substances for use in site investigations in Australia:** This interim guidance was endorsed by the AHPPC on 15 June 2016.

2016	<a href="#">Interim national guidance on human health reference values for per- and poly-fluoroalkyl substances for use in site investigations in Australia Factsheet - PDF - 114KB</a>
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2016	<a href="#">Interim national guidance on human health reference values for per- and poly-fluoroalkyl substances for use in site investigations in Australia Factsheet - Word - 46KB</a>
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For more information on enHealth's PFAS policy visit the [Department of Health Website](#).

## Maps and Images (2014 – 2017)

### New South Wales

2017	<a href="#">RAAF Base Williamtown NSW EPA Management Area - Ground Water and Surface Water Analytical Results - PFOS and PFHxS - December 2017 Map - PDF - 2MB</a>
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2017	<a href="#">RAAF Base Williamtown NSW EPA Management Area - Ground Water and Surface Water Analytical Results - PFOA - December 2017 Map - PDF - 2MB</a>
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2015	<a href="#">RAAF Base Williamtown Groundwater Monitoring Locations - October 2015 Map - PDF - 1.2MB</a>
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2014	<a href="#">RAAF Base Williamtown Location of Offsite Monitoring Wells - October 2014 Map - PDF - 6.5MB</a>
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## Victoria

2017 [Bandiana Military Area Investigation Area - August 2017Map - PDF - 1.3MB](#)

2017 [Bandiana Military Area Conceptual Site Model - August 2017Map - PDF - 1.5MB](#)

2017 [HMAS Cerberus Conceptual Site Model - August 2017Image - PDF - 240KB](#)

## Queensland

2017 [Army Aviation Centre Oakey Management Zones - Activities with Elevated PFAS Exposure - December 2017 Map- PDF - 2.08MB](#)

2017 [Army Aviation Centre Oakey - Extent of PFOS and PFHxS in Groundwater - December 2017 Map- PDF - 1.92MB](#)

## Northern Territory

2018 [RAAF Base Darwin Surface Water Plumes - January 2018Map - PDF - 570KB](#)

2018 [RAAF Base Darwin Ground Water Plumes - January 2018Map - PDF - 890KB](#)

2018 [RAAF Base Darwin Investigation Area - January 2018Map - PDF - 239KB](#)

2017 [RAAF Base Darwin Investigation Area - July 2017Map - PDF - 532KB](#)

2017 [RAAF Base Darwin Areas of Environmental Concern - December 2017Map - PDF - 2.8MB](#)

2017 [RAAF Base Darwin Groundwater Sample Results - December 2017Map - PDF - 3MB](#)

2017 [RAAF Base Darwin Groundwater Surface Contours - December 2017Map - PDF - 2.5MB](#)

2017 [RAAF Base Darwin Surface Water Sample Results - December 2017Map - PDF - 2.5MB](#)

2017 [RAAF Base Darwin Soil Sample Results - December 2017Map - PDF - 3.2MB](#)



## PFAS Disclosure Log – FOI Documents released by Defence (2016 – 2017)

Please visit the current Defence website Freedom of information disclosure log page for the most up to date information: <https://www.defence.gov.au/about/accessing-information/freedom-information-disclosure-log>

Defence has released the following PFAS related documents under the *Freedom of Information Act 1982* (FOI Act).

### Defence estate legacy PFC review database (CH2M 2015)

FOI number: 122/17/18 - Partial access

Documents received by applicant: 04 December 2017

Exemptions (FOI Act): 33 | 37F

2017	122/17/18 Statement of Reasons [PDF, 43KB]
2017	122/17/18 Schedule of Documents [PDF, 39KB]
2017	122/17/18 Documents part 1 [PDF, 17.3MB]
2017	122/17/18 Documents part 2 [PDF, 24.4MB]
2017	122/17/18 Documents part 3 [PDF, 23.2MB]
2017	122/17/18 Documents part 4 [PDF, 16.8MB]
2017	122/17/18 Documents part 5 [PDF, 8.2MB]

### Use of Aqueous Film Forming Foam - RAAF Williamtown (Internal Review)

FOI number: 070/16/17 - Full access

Documents received by applicant: 04 December 2017

Exemptions (FOI Act): Not applicable

2017	070/16/17 Document Item 5 [PDF, 547 KB]
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### PFAS contamination of Army Aviation Centre Oakey and surrounding areas

FOI number: 297/16/17 - Full access

Documents received by applicant: 25 August 2017

Exemptions (FOI Act): Not applicable

2017	297/16/17 Statement of Reasons [PDF, 29KB]
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2017	297/16/17 Schedule of Documents [PDF, 14KB]
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2017	297/16/17 Documents [PDF, 18MB]
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**Use of Aqueous Film Forming Foam - RAAF Base Williamtown**

FOI number: 234/16/17 - Partial access

Documents received by applicant: 24 April 2017

Exemptions (FOI Act): 24A | 42

2017	234/16/17 Statement of Reasons [PDF, 41 KB]
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2017	234/16/17 Schedule of Documents [PDF, 22 KB]
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2017	234/16/17 Documents [PDF, 1.5 MB]
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**PFAS Contamination Army Aviation Centre Oakey and Surrounding Areas**

FOI number: 217/16/17 - Partial access

Documents received by applicant: 18 April 2017

Exemptions (FOI Act): 47F | 47G

2017	217/16/17 Statement of Reasons [PDF, 81 KB]
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2017	217/16/17 Schedule of Documents [PDF, 21 KB]
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2017	217/16/17 Documents [PDF, 6.6 MB]
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**All Ministerial Communication on the use of Aqueous Film Forming Foam**

FOI number: 136/16/17 - Partial access

Documents received by applicant: 23 January 2017

Exemptions (FOI Act): 47F

2017	136/16/17 Statement of Reasons [PDF, 64 KB]
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2017	136/16/17 Schedule of Documents [PDF, 22 KB]
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2017	136/16/17 Documents [PDF, 8.5 MB]
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**Use of Aqueous Film Forming Foam - RAAF Base Williamtown - Request 4**

FOI number: 111/16/17 - Partial access



Documents received by applicant: 11 January 2017

Exemptions (FOI Act): 47E | 47G

2017	111/16/17 Statement of Reasons [PDF, 41 KB]
2017	111/16/17 Schedule of Documents [PDF, 13 KB]
2017	111/16/17 Documents [PDF, 13.6 MB]

**Use of Aqueous Film Forming Foam - RAAF Base Williamtown - Request 3**

FOI number: 093/16/17 - Partial access

Documents received by applicant: 23 Dec 2016

Exemptions (FOI Act): 33 | 47C | 47E | 47F | 47G

2016	093/16/17 Statement of Reasons [PDF, 41 KB]
2016	093/16/17 Schedule of Documents [PDF, 13 KB]

**Use of Aqueous Film Forming Foam - RAAF Base Williamtown - Request 2**

FOI number: 077/16/17 - Partial access

Documents received by applicant: 12 December 2016

Exemptions (FOI Act): 24A | 47C | 47E | 47G

2016	077/16/17 Statement of Reasons [PDF, 44 KB]
2016	077/16/17 Schedule [PDF, 21 KB]

**Use of Aqueous Film Forming Foam - RAAF Williamtown (Final Release)**

FOI number: 070/16/17 - Partial access

Documents received by applicant: 30 November 2016

Exemptions (FOI Act): 24A

2016	070/16/17 Statement of Reasons [PDF, 35 KB]
2016	070/16/17 Schedule [PDF, 15 KB]
2016	070/16/17 Documents [PDF, 1.26 MB]

**Use of Aqueous Film Forming Foam - RAAF Williamtown (Interim Release)**

FOI number: 070/16/17 - Full access



Documents received by applicant: 10 November 2016

Exemptions (FOI Act): Not applicable

2016	070/16/17 Statement of Reasons [PDF, 36 KB]
2016	070/16/17 Schedule [PDF, 28 KB]
2016	070/16/17 Documents [PDF, 6.1 MB]