

## Major development plan – 32 Nomad Drive, Canberra Airport, ACT

### Per-and poly-fluoroalkyl substances (PFASs) and other contaminants advice

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#### Part A – Advice specific to the project

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1. Canberra Airport Pty Ltd (CAPL) must, prior to **commencing the action**, submit to the Department of Infrastructure, Transport, Regional Development, Communications, and the Arts for approval on the advice of the Airport Environment Officer (AEO), a Construction Environmental Management Plan (CEMP).
2. The CEMP must include a commitment to avoid and mitigate **harm** to the environment from the risks associated with the generation, storage, handling, treatment, discharge and disposal of **PFAS** contaminated soils, waters and wastes and provide detail of how this will be achieved.
3. The CEMP must include:
  - a) site-specific management and mitigation measures for the stockpiling, storage and containment of **PFAS** contaminated material, in accordance with the **PFAS National Environment Management Plan**,
  - b) management and mitigation measures for the assessment, storage and disposal of **PFAS** contaminated wastes generated as a result of the action, including but not limited to, sludge and filter media,
  - c) a Sampling and Analysis Quality Plan (SAQP) of treated water, which includes, at a minimum, information on all analytes to be tested and their adopted assessment criteria (including justification), sampling methodology and quality assurance and quality controls and a commitment to implement the SAQP,
  - d) a commitment to dispose of treated water in accordance with the **PFAS National Environment Management Plan** where testing of treated water detects **PFAS** contaminants exceeding adopted assessment criteria for discharge and where **PFAS** levels cannot be reduced further through treatment,
  - e) a comprehensive, quantitative site-specific risk assessment of any areas proposed to be used for the disposal of treated water and details of the hydraulic capacity of the receiving environment; and confirmation that the hydraulic capacity of the receiving area will not be exceeded.

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**Part B - Definitions**

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In these conditions any bolded use of a word or term refers to the below definition of that word or term:

**Action** means the activity detailed in the Major Development Plan to develop and operate a new aviation hangar facility at 32 Nomad Drive, Pialligo Precinct, Canberra Airport, ACT.

**Commencing the Action** or **commences the Action** means the first instance of any on-site **clearing, construction** or other physical activity associated with the Action, but does not include minor physical disturbance necessary to:

- Undertake pre-clearance surveys or monitoring programs.
- Install signage and/or temporary fencing
- Protect environmental and property assets from fire, weeds, and feral animals, including use of existing surface access tracks.
- Install temporary site facilities for persons undertaking pre-commencement activities.
- Undertake soil or groundwater sampling or geotechnical investigations provided these cause only minor physical disturbance.

**Harm** means to cause any measurable direct or indirect disturbance or deleterious change as a result of any activity associated with the **Action**.

**PFAS means** Per- or poly-fluoroalkyl substance.

**PFAS National Environmental Management Plan** means the current official version of the PFAS National Environmental Management Plan produced by the Heads of EPAs Australia and New Zealand and endorsed by the Commonwealth of Australia and each Australian State and Territory.

**PFASs means** Per-and poly-fluoroalkyl substances. Per-and poly-fluoroalkyl substances include PFOS (perfluorooctane sulfonate), PFOA (perfluorooctanoic acid), PFHxS (perfluorohexane sulfonate), and their direct and indirect precursors. Precursors and other PFASs can contribute over time to the total PFAS load in the environment and should be considered to the fullest extent possible. Appropriate analytical methods, including total oxidizable precursor and total organofluorine assays and limits of reporting, are discussed in the PFAS NEMP 2.0, as updated from time to time (HEPA 2020: 88–94). For the purposes of this project, where the identity of PFOS, PFOA, and PFHxS precursors are unknown a standard suite of 28 analytes may be used for the measurement of the sum of PFASs and may be reported, for example, as ‘Sum of PFASs (n=28)’.

**PFHxS means** Perfluorohexane sulfonate.

**PFOA means** Perfluorooctanoic acid.

**PFOS means** Perfluorooctane sulfonate.