

Declared Site and current investigations

Generator Property Management (GPM) is conducting detailed environmental investigations at part of the Former Munmorah Power Station site, located at 301 Scenic Drive, Colongra. Based on previous investigation results, only specific areas of the site are being investigated - see below. The majority of the site is not contaminated. These investigations aim to confirm the extent and behaviour of potential contaminants and to guide appropriate management actions.

Learn more about the above article



Investigation team drilling on site in 2025.



Area of investigation

The area highlighted in yellow was formally declared as significantly contaminated under the Contaminated Land Management Act by the EPA. This section of the site contains both the PFAS plume and hydrocarbon impacts. As part of our ongoing investigations, GPM is actively managing these areas to ensure they remain fully contained and are not migrating off-site.

GPM and the legacy of contamination

At GPM, we're working on understanding the extent of the contamination here at the former Munmorah Power Station:

Environmental investigations have identified localised impacts associated with historical site activities. The current focus areas were selected based on previous sampling results showing elevated levels of:

- Hydrocarbons (TRH and BTEXN): linked to historic oil and fuel handling areas, primarily within Lot 111 DP1293105.
- PFAS (Per- and Polyfluoroalkyl Substances): associated with the former fire-fighting training area (FFTA).

Testing has indicated that off-site risks to human health and the environment remain low. The VMP ensures that the extent of these localised impacts is clearly understood and appropriately managed.

Environmental monitoring at the Former Munmorah site has been ongoing for more than five years, focusing on groundwater, surface water, and soil conditions. Key progress includes:

- Multiple Detailed Site Investigations (DSIs) and Data Gap Investigations (DGIs).
- Installation of groundwater monitoring wells across key zones.
- Development of a conceptual site model outlining sources, transport pathways, and receptors.
- Ongoing liaison and data sharing with the NSW EPA under EPL No. 759.

This long-term program has significantly improved understanding of the site and supports informed decisions for future management.

To ensure all activities meet regulatory requirements, we have worked with the NSW EPA to develop a Voluntary Management Proposal (VMP), providing a clear framework for ongoing investigation. A key deliverable of the VMP is the provision of a Remedial Action Plan (RAP) that will inform how the site will be cleaned up.

Once the VMP milestones are achieved and approved, the RAP will be revisited and implemented as part of Phase 2 remediation works.

Remediation Action Plan (RAP) Status



Voluntary Management Proposal (VMP)

The VMP, approved by the EPA in February 2025, outlines a two-phase plan for the site:

Phase 1 (Current Phase) – Detailed investigation and planning:

- Further characterisation of soil, sediment, surface water, and groundwater contamination.
- Commissioning of a Water Treatment Plant (WTP) to manage impacted waters.
- Preparation of updated Remedial Action Plans (RAPs).

Phase 2 (Future Phase) – Remediation and validation:

- Implementation of agreed remediation works.
- Validation to confirm all contamination risks have been effectively addressed.

Read the full GPM's Munmorah VMP



Key Timelines and Milestones

Activity	Target Completion
EPA Acceptance of VMP	February 2025
Detailed Site Investigation (DSI) Fieldwork	March 2025
Data Gap Investigation (DGI)	September 2025
Water Treatment Plant Commissioning	March 2026
Remedial Action Plan Submission	June 2026
Final Site Audit and Reporting	November 2026

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