



Contaminated Sites Act 2003 Basic Summary of Records Search Response

Report generated at 02:30:24PM, 16/07/2025

Receipt No:

ID No: 20161

Search Results

This response relates to a search request received for:

19 Centenary Av
Wilson, WA, 6107

This parcel belongs to a site that contains 1 parcel(s).

According to Department of Water and Environmental Regulation records, this land has been reported as a known or suspected contaminated site.

Address	19 Centenary Av Wilson, WA, 6107
Lot on Plan Address	Lot 4190 On Plan 219831
Parcel Status	<p>Classification: 20/06/2023 - Remediated for restricted use</p> <p>Nature and Extent of Contamination:</p> <p>The site is underlain landfill materials below a capping layer of at least 0.45 metres of clean fill and topsoil. Buried waste contains asbestos and elevated concentrations of nutrients and metals.</p> <p>Per-and poly-fluoroalkyl substances (such as from PFAS-containing waste) and naphthalene are present in groundwater beneath the site.</p> <p>Landfill wastes are generating landfill gases, including methane, carbon dioxide and hydrogen sulfide.</p> <p>Restrictions on Use:</p> <p>The land use of the site is restricted to recreational open space. The site should not be developed for a more sensitive use such as residential use, childcare centres, or construction of buildings, or sub-surface or enclosed spaces without further contamination assessment and/or remediation.</p> <p>Due to the presence of asbestos-impacted landfill material below 450 millimetres, any unavoidable disturbance of the fill material below 300 millimetres of clean fill must be in accordance with "Ongoing Site Management Plan - September 2020 Centenary Park West Wilson (ABEC Environmental Consulting - 21 March 2023).</p> <p>Groundwater monitoring for PFAS must continue as part of OSMP dated 21 March 2023 to assess ongoing potential risk discharge to the Canning River estuary.</p> <p>Other than for analytical testing or remediation, groundwater abstraction is not permitted at this site because of the nature and extent of groundwater contamination beneath this site.</p> <p>Reason for Classification:</p> <p>This site was reported to the Department of Water and Environmental Regulation (the department)</p>

Disclaimer

This Summary of Records has been prepared by Department of Water and Environmental Regulation (DWER) as a requirement of the Contaminated Sites Act 2003. DWER makes every effort to ensure the accuracy, currency and reliability of this information at the time it was prepared, however advises that due to the ability of contamination to potentially change in nature and extent over time, circumstances may have changed since the information was originally provided. Users must exercise their own skill and care when interpreting the information contained within this Summary of Records and, where applicable, obtain independent professional advice appropriate to their circumstances. In no event will DWER, its agents or employees be held responsible for any loss or damage arising from any use of or reliance on this information. Additionally, the Summary of Records must not be reproduced or supplied to third parties except in full and unabridged form.



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under section 11 of the 'Contaminated Sites Act 2003' (the Act), which commenced on 1 December 2006.

The site was first classified under section 13 of the Act based on information submitted to the department by November 2008. The site has been classified again under section 13 of the Act to reflect additional technical information submitted to the department by March 2023.

The site comprises the western portion of an area which has been used as a municipal landfill for 25 years from the mid-1960s to 1983. Historical information suggests that a significant amount of asbestos sheeting, pipes, dust and slurry was also disposed of at the site. Landfilling is a land use that has the potential to cause contamination, as specified in the guideline 'Assessment and management of contaminated sites' (Department of Water and Environmental Regulation [DWER], 2021).

Historic landfilling first began on the eastern side of Centenary Avenue and progressed west over time towards the Canning River. Since closure of the landfill, the site has been repurposed for public open space, an access road and club house. The eastern portion of the historic landfill is classified separately.

Several soil, gas and groundwater investigation have been undertaken at the site from 2008 to 2018.

Soil investigations in 2013 found that waste buried beneath the site varied in thickness from two to eight metres. Free asbestos fibres and asbestos-containing materials (ACM) were present in the buried waste at quantities in excess of those specified in 'Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia' (Department of Health, May 2009).

Remedial works comprising the placement of minimum of 300-millimetre-thick layer of clean fill on the landfill surface were carried out in 2020. An additional layer 150 mm of topsoil has been placed above the clean fill to stabilise the capping with vegetation and grass.

An Ongoing Site Management Plan (OSMP) dated 21 March 2023 outlines management measures for any activity (such as excavation) that may disturb the asbestos-impacted fill.

In 2011 and 2013, investigations into the landfill gases at the site identified the presence of methane and carbon dioxide. However, the risk was found to be low to very low for the existing site conditions, the landfill gases do not pose a human health risk under the recreational open space land use.

Groundwater investigations in 2013 found concentrations of naphthalene exceeded the assessment levels for non-potable use of groundwater, as published in the guideline 'Assessment and management of contaminated sites' (DWER, 2021).

Further groundwater investigation in 2018 identified per-and poly-fluoroalkyl substances (PFAS) (such as from PFAS-containing waste) in groundwater at concentrations exceeding the guideline values for 95% protection levels for freshwater ecosystems, as published in the 'PFAS National Environmental Management Plan' (Heads of EPAs Australia and New Zealand, January 2020). Ecological assessment levels are relevant due to proximity of the site to Canning River estuary.

To estimate the level of PFAS potentially discharging into the estuary, mass flux calculations were performed on the available groundwater quality data. The calculations found that estimated discharge

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of PFAS into the estuary is comparable to that from minor surface water sources. Groundwater monitoring for PFAS will be continued as part of OSMP dated 21 March 2023 to assess ongoing potential discharge to the Canning River estuary.

A risk assessment has indicated that the contamination present on the site does not pose an unacceptable risk to human health, the environment or environmental values under recreational open space land use, provided that the OSMP is implemented, and groundwater is not abstracted.

An accredited contaminated sites auditor (the auditor) reviewed the investigations and risk assessment for the site. The auditor's findings are documented in an auditor's report dated June 2021 and an addendum dated 4 March 2022. The department and Department of Health accept the auditor's recommendation that following remedial works, the site is suitable for recreational open space, subject to implementation of the OSMP.

The site is contaminated and has been remediated such that it is suitable for the current use as recreational open space, subject to implementation of the OSMP. Therefore, the site is classified as 'remediated for restricted use'.

A memorial stating the site's classification will be placed on the certificate of title, and will trigger the need for further investigations and risk assessment should the site be proposed for a more sensitive land use.

The department, in consultation with the Department of Health, has classified this site based on the information available to the department at the time of classification. It is acknowledged that the contamination status of the site may have changed since the information was collated and/or submitted to the department, and as such, the usefulness of this information may be limited.

Other Relevant Information:

Additional information included herein is relevant to the contamination status of the site and includes the department's expectations for action that should be taken to address potential or actual contamination described in the Reasons for Classification.

Where the land is part of a transaction - sale, mortgagee or lease agreement, the landowners MUST PROVIDE WRITTEN DISCLOSURE (on the prescribed Form 6) of the site's status to any potential owner, mortgagee (e.g. financial institutions) or lessee at least 14 days before the completion of the transaction. A copy of the disclosure must also be forwarded to the department.

Action Required:

Please refer to the Restrictions on Use applicable to the site.

Regular inspection of the accessible river foreshore as part of the OSMP to identify and rectify any exposure of the waste body resulting from riverbank erosion.

Certificate of Title Memorial

Under the Contaminated Sites Act 2003, this site has been classified as "remediated for restricted use". For further information on the contamination status of this site, please contact Contaminated Sites at the Department of Water and Environmental Regulation.

Current Regulatory Notice Issued

Type of Regulatory Notice: Nil

Date Issued: Nil

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General

No other information relating to this parcel.

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