



Contaminated Sites Act 2003 Basic Summary of Records Search Response

Report generated at 04:48:23PM, 10/01/2023

Receipt No:

ID No: 9173

Search Results

This response relates to a search request received for:

Lot 1 On Plan 23101
Vittoria, WA, 6230

This parcel belongs to a site that contains 3 parcel(s).

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

Address	Lot 1 On Plan 23101 Vittoria, WA, 6230
Lot on Plan Address	Lot 1 On Plan 23101
Parcel Status	<p>Classification: 13/02/2012 - Contaminated - remediation required</p> <p>Nature and Extent of Contamination:</p> <p>Metals are present in soils on the western portion of the site. Metals are present in groundwater beneath the western portion of the site.</p> <p>Restrictions on Use:</p> <p>The land use of the site is restricted to commercial/industrial use which excludes childcare centres, kindergartens, pre-schools and primary schools. The site should not be developed for a more sensitive use such as recreational open space; residential use or childcare centres without further contamination assessment and/or remediation.</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.</p> <p>Reason for Classification:</p> <p>This site was originally reported to the Department of Environment and Conservation (DEC) prior to the commencement of the Contaminated Sites Act 2003 (the Act), and was reported again as per reporting obligations under section 11 of the Act in May 2007. The site classification was based on information submitted to DEC by November 2006. These Reasons for Classification have been updated to reflect additional technical information submitted to DEC by December 2009.</p> <p>This site was used as a power station for approximately 40 years, prior to it's decommissioning in 1999. This is a land use that has the potential to cause contamination, as specified in the guideline 'Potentially Contaminating Activities, Industries and Landuses' (Department of Environment, 2004).</p> <p>Several investigation reports have been prepared since the power station was decommissioned. Hydrocarbons (such as from diesel), heavy metals and asbestos were found to be present in soils at</p>

Disclaimer

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concentrations exceeding Ecological Investigation Levels and Health-based Investigation Levels for commercial and industrial sites, as published in 'Assessment Levels for Soil, Sediment and Water' (Department of Environment, 2003).

Remedial works have been carried out on soils at the site, however some soil impact remains. In 2006, a Screening Risk Assessment indicated that the levels of substances present in soils on the site did not pose an unacceptable risk to human health, the environment or any environmental value under commercial/industrial land use.

Hydrocarbons present in groundwater at the site were remediated through a program of monitored natural attenuation. Groundwater monitoring over the period 2001-2008 has shown that the plume of hydrocarbon-impacted groundwater has contracted, and that hydrocarbon concentrations have decreased, such that residual hydrocarbons in groundwater no longer pose a risk to human health or the environment under commercial/industrial land use of the site.

Soil and groundwater analysis carried out in 2008 revealed that metals (copper and nickel) remain in soils and groundwater beneath the western part of the site, in the vicinity of the former "bottom ash" dams. Metals were present in soils at concentrations exceeding Ecological Investigation Levels, as published in 'Assessment Levels for Soil, Sediment and Water' (DEC, 2010). Metals were present in groundwater at concentrations exceeding marine guidelines, as published in 'Assessment Levels for Soil, Sediment and Water' (DEC, 2010). These are relevant criteria given the proximity of the site to the marine waters of Koombana Bay.

As the site is contaminated, and remedial works are in progress but not yet completed, the site is classified as 'contaminated - remediation required'.

Based on the available information, and consistent with historical advice from DEC, the site is suitable for commercial/industrial land use, but may not be suitable for more sensitive land uses (e.g. residential housing, day care centres).

When the results of further soil and groundwater investigations are submitted to DEC, these will be reviewed and the site may be re-classified.

A memorial stating the site's classification has been 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.

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

ACTION REQUIRED

Further soil and groundwater analysis and/or risk assessment is required to ensure that residual metals in soil and groundwater do not pose an unacceptable risk to the marine environment.

Certificate of Title Memorial

Under the Contaminated Sites Act 2003, this Site has been classified as "Contaminated - remediation required". For further information on the contamination status of this Site, please contact the Contaminated Sites section of the Department of Environment & Conservation.

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Current Regulatory Notice Issued	Type of Regulatory Notice: <i>Nil</i> Date Issued: <i>Nil</i>
General	No other information relating to this parcel.

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