

# **Appendix C – DWER Contaminated Sites Database**



## Contaminated Sites Act 2003 Basic Summary of Records Search Response

Report generated at 03:37:24PM, 25/05/2020

Receipt No:

ID No: 14559

### Search Results

This response relates to a search request received for:

26 Old Coast Rd  
Vittoria, WA, 6230

This parcel belongs to a site that contains 2 parcel(s).

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

<b>Address</b>	26 Old Coast Rd Vittoria, WA, 6230
<b>Lot on Plan Address</b>	Lot 963 On Plan 220558
<b>Parcel Status</b>	<p><b>Classification:</b> 22/05/2009 - Contaminated - remediation required</p> <p><b>Nature and Extent of Contamination:</b></p> <p>Groundwater investigations have been conducted that indicate the presence of caustic soda, total petroleum hydrocarbons and polycyclic aromatic hydrocarbons present beneath the site. DEC is not aware that any soil investigations have been conducted on Lot 963 On Plan 220558.</p> <p><b>Restrictions on Use:</b></p> <p>The land use of the Site is restricted to commercial/industrial use with minimum soil access which excludes childcare centres, kindergartens, pre-schools and primary schools and should not be developed for a more sensitive use such as recreational open space, residential use or childcare centres.</p> <p>The abstraction of groundwater, other than for monitoring purposes is not permitted at this Site due to the nature and extent of groundwater contamination.</p> <p><b>Reason for Classification:</b></p> <p>This Site was reported to the Department of Environment and Conservation (DEC) as per reporting obligations under section 11 of the 'Contaminated Sites Act 2003', which commenced on 1 December 2006. The Site classification is based on information submitted to DEC by January 2008.</p> <p>This Site is currently used for the bulk storage of caustic soda and alumina as well as acting as a loading facility for alumina and unloading facility for caustic soda. This is considered 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>Soil investigations have not been carried out and the quality of soil at the Site is unknown. It has been stated that fly ash may be present in soil at isolated locations on Site and future investigations should take this into consideration.</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.



## **Contaminated Sites Act 2003**

### **Basic Summary of Records Search Response**

Report generated at 03:37:25PM, 25/05/2020

Routine groundwater and surface water quality monitoring is carried out by an occupier of the Site in accordance with their environmental operating policies and principles.

The groundwater monitoring conducted in April 2006 identified the presence of hydrocarbons (such as from petrol/diesel/oil) in groundwater at concentrations significantly exceeding Aquatic Ecosystems - Freshwater/Marine guidelines, as published in 'Assessment Levels for Soil, Sediment and Water' (Department of Environment, 2003). The concentrations of hydrocarbons in one particular monitoring well indicate the presence of free-phase hydrocarbons on the surface of the groundwater. The extent of the hydrocarbon groundwater contamination has not been delineated. Further groundwater investigations are required to define the extent of hydrocarbon groundwater contamination on Site.

Stormwater samples were collected to the west of the alumina storage bins as part of the 2006 investigation. Copper and zinc were present at concentrations exceeding a '95% species protection value in slight to moderately disturbed marine waters' as identified in 'Australian and New Zealand Guidelines for Fresh and Marine Quality Waters' (ANZECC, 2000).

Further investigations should be conducted into the impacts from caustic soda. Alkalinity and electrical conductivity values are very high and are indicative of spills and/or leaks with respect to caustic soda. Furthermore it was stated in the 2006 investigation report that 'A 2002 study confirmed the widespread presence of caustic soda in shallow groundwater at the site, with concentrations ranging up to 0.5% (Gerritse and Thomas, 2002a)'. This report has not been submitted to DEC's Contaminated Sites Branch.

A Screening Risk Assessment has indicated that further investigation is required to adequately characterise the contamination status of the site. Given the high concentrations of hydrocarbons present in groundwater beneath the site, the results of further investigations should provide a good indicator of the remedial options suitable for managing the contamination present on Site.

As the Site has only partially been investigated, a comment cannot be made on the suitability of the Site as a whole for any land use.

As free-phase hydrocarbons appear to be present in the groundwater, which are acting as a significant source of dissolved phase groundwater contamination, which presents a risk to human health, the environment, or environmental values, the Site is classified as 'contaminated - remediation required'.

A memorial stating the Site's classification has been placed on the Certificate of Title, and will notify any prospective owners of the contamination status of the Site.

DEC, in consultation with the 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/or submitted to DEC, and as such, the usefulness of this information may be limited.

In accordance with Department of Health advice, if groundwater is being or is proposed to be abstracted, DEC recommends that analytical testing should be carried out to determine whether the groundwater is suitable for its intended use.

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## Contaminated Sites Act 2003 Basic Summary of Records Search Response

Report generated at 03:37:25PM, 25/05/2020

<b>Certificate of Title Memorial</b>	Under the Contaminated Sites Act 2003, this Site has been classified as "Contaminated - remediation required". An instrument affecting land which comprises all, or part of, this Site will not be registered or accepted for registration, unless the CEO of the Department of Environment & Conservation consents to the registration in writing. For further information on the contamination status of this Site, or this restriction, please contact the Contaminated Sites section of the Department of Environment & Conservation.
<b>Current Regulatory Notice Issued</b>	<b>Type of Regulatory Notice:</b> <i>Nil</i> <b>Date Issued:</b> <i>Nil</i>
<b>General</b>	No other information relating to this parcel.

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## Contaminated Sites Act 2003 Basic Summary of Records Search Response

Report generated at 03:39:26PM, 25/05/2020

Receipt No:

ID No: 14558

### Search Results

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26 Old Coast Rd  
Vittoria, WA, 6230

This parcel belongs to a site that contains 2 parcel(s).

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

<b>Address</b>	26 Old Coast Rd Vittoria, WA, 6230
<b>Lot on Plan Address</b>	Lot 963 On Plan 220558
<b>Parcel Status</b>	<p><b>Classification:</b> 22/05/2009 - Contaminated - remediation required</p> <p><b>Nature and Extent of Contamination:</b></p> <p>Groundwater investigations have been conducted that indicate the presence of caustic soda, total petroleum hydrocarbons and polycyclic aromatic hydrocarbons present beneath the site. DEC is not aware that any soil investigations have been conducted on Lot 963 On Plan 220558.</p> <p><b>Restrictions on Use:</b></p> <p>The land use of the Site is restricted to commercial/industrial use with minimum soil access which excludes childcare centres, kindergartens, pre-schools and primary schools and should not be developed for a more sensitive use such as recreational open space, residential use or childcare centres.</p> <p>The abstraction of groundwater, other than for monitoring purposes is not permitted at this Site due to the nature and extent of groundwater contamination.</p> <p><b>Reason for Classification:</b></p> <p>This Site was reported to the Department of Environment and Conservation (DEC) as per reporting obligations under section 11 of the 'Contaminated Sites Act 2003', which commenced on 1 December 2006. The Site classification is based on information submitted to DEC by January 2008.</p> <p>This Site is currently used for the bulk storage of caustic soda and alumina as well as acting as a loading facility for alumina and unloading facility for caustic soda. This is considered 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>Soil investigations have not been carried out and the quality of soil at the Site is unknown. It has been stated that fly ash may be present in soil at isolated locations on Site and future investigations should take this into consideration.</p>

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A Screening Risk Assessment has indicated that further investigation is required to adequately characterise the contamination status of the site. Given the high concentrations of hydrocarbons present in groundwater beneath the site, the results of further investigations should provide a good indicator of the remedial options suitable for managing the contamination present on Site.

As the Site has only partially been investigated, a comment cannot be made on the suitability of the Site as a whole for any land use.

As free-phase hydrocarbons appear to be present in the groundwater, which are acting as a significant source of dissolved phase groundwater contamination, which presents a risk to human health, the environment, or environmental values, the Site is classified as 'contaminated - remediation required'.

A memorial stating the Site's classification has been placed on the Certificate of Title, and will notify any prospective owners of the contamination status of the Site.

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<b>Certificate of Title Memorial</b>	Under the Contaminated Sites Act 2003, this Site has been classified as "Contaminated - remediation required". An instrument affecting land which comprises all, or part of, this Site will not be registered or accepted for registration, unless the CEO of the Department of Environment & Conservation consents to the registration in writing. For further information on the contamination status of this Site, or this restriction, please contact the Contaminated Sites section of the Department of Environment & Conservation.
<b>Current Regulatory Notice Issued</b>	<b>Type of Regulatory Notice:</b> <i>Nil</i> <b>Date Issued:</b> <i>Nil</i>
<b>General</b>	No other information relating to this parcel.

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