



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Daniels Health Services Pty Ltd

Licence: L8461/2010/2

Registered office: 36 Cahill Street
DANDENONG SOUTH VICTORIA 3175

ACN: 093 315 014

Premises address: 19 Coolibah Way
BIBRA LAKE WA 6163
Being Lot 164 on Plan 17339.

Issue date: Thursday, 10 September 2015

Commencement date: Sunday, 20 September 2015

Expiry date: Thursday, 19 September 2030

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER) CEO delegated officer, has decided to amend this licence. The delegated officer considers that in reaching this decision, he has taken into account all relevant considerations.

Decision Document prepared by: Melissa Chamberlain
Licensing Officer

Decision Document authorised by: Alan Kietzmann
Delegated Officer



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1 Purpose of this Document

This decision document explains how the DER delegated officer has assessed and determined the application and provides a record of the decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER’s assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent’s responsibility to ensure they have all relevant approvals for their Premises.

2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input checked="" type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	61A	5,000 tonnes per annual period
	62	500 tonnes per annual period
Application verified	Date: N/A	
Application fee paid	Date: N/A	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No:
		Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No:



		EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Environmental Protection (Kwinana) (Atmospheric Wastes) Policy 1999		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

3 Executive summary of proposal and assessment

Daniels Health Services Pty Ltd (Daniels Health) was. The premises is located at 19 Coolibah Way, Bibra Lake, Western Australia. It is situated within an area zoned 'industrial' under the Metropolitan Region Scheme, and is surrounded by neighbouring industrial premises. The nearest residents are approximately 450 metres to the south east of the property. The City of Cockburn permits operations 24hrs a day, 7 days a week.

The premises accepts medical and clinical waste for autoclave treatment prior to off-site disposal, with a throughput of up to 5,000 tonnes per year. The clinical waste is received in bins that are transported to the site and then emptied into special autoclave delivery carts. These carts are then placed inside the autoclave and the autoclave is closed. After 30 minutes of treatment the steam is released through the blow down vessel. This process occurs within an enclosed warehouse and the waste liquids are discharged to sewer. In November 2014 a shredding machine was installed adjacent to the autoclave to shred autoclaved waste into smaller fragments to reduce the total volume of waste sent off-site for disposal. The purpose built shredder by Shred-Tech has been specifically designed to shred clinical and medical waste, and comprises of a two shaft high torque slow speed shredding system to reduce noise emissions. The shredding machine operates in 15 minute cycles within business hours. A 3m³ bin lined with a bag is used to collect the shredded waste. Once the bag is full it is tied off and directed to an off-site landfill for disposal.

The premises also accepts and stores up to 500 tonnes of anatomical, cytotoxic and pharmaceutical waste prior to transport to Victoria for incineration. Clinical and wet pharmaceuticals are stored in a refrigerated sea container while dry pharmaceutical and cytotoxic waste is stored in a non-refrigerated sea container. No incineration of this waste occurs at the premises.

This licence amendment gives effect to the name change from SteriHealth Services to Daniels Health Services, permits less odorous waste types to be stored in an un-refrigerated sea container and removes some conditions in line with DER's current licensing process. The licensee has also submitted an amendment application to accept and store class 3 and class 5.2 dangerous goods within a sea container prior to transport to Victoria. The proposed annual throughput is 16.5 tonnes, and the maximum storage volume at any one time is estimated to be less than 100 cubic meters. Therefore this activity does not appear to meet the threshold for a prescribed category under Schedule 1 of the *Environmental Protection Regulations 1986*. The storage of these dangerous goods is not associated with the main activity at the premises and does not contribute to the nature and type of emissions from this main activity. Therefore in line with Department of Environment Regulation's Guidance Statement Licence and Works Approval process (September 2015) this activity is not subject to licence conditions and no amendment for this activity is required. The activity may be subject to other regulatory controls through Controlled Waste Tracking, or via other regulatory authorities such as Department of Mines and Petroleum.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Interpretation	N/A	<p>Previous condition 1.1.5 has been removed as it is an explanatory statement and not a valid or enforceable condition.</p> <p>Previous conditions 1.2.1, 1.2.2 and 1.2.3 are removed as they are not enforceable as they are not sufficiently clear or certain.</p> <p>As there are no longer conditions under the heading '1.2 General Conditions' this has been removed. This has resulted in renumbering of the subsequent section.</p>	N/A
General conditions	N/A	<p>Previous conditions 1.2.1, 1.2.2 and 1.2.3 are removed as they are not enforceable as they are not sufficiently clear or certain.</p> <p>As there are no longer conditions under the heading '1.2 General Conditions' this has been removed.</p>	N/A
Premises Operation	L1.2.3	<p>Renumbered condition 1.2.3 and renumbered table 1.3.2 have been amended at the request of the licensee to allow the storage of less odorous cytotoxic and dry pharmaceuticals to be stored in an unrefrigerated storage container. Odour is risk assessed in the odour section below.</p> <p>Table 1.2.2 has also been amended to remove the specification to process a maximum of 500 tonnes per year as this is a duplicate of the requirements of table 1.2.1, and reference to a document in schedule 3 is removed as there is no schedule 3.</p>	



DECISION TABLE			
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Odour	L1.2.3	<p><u>Emission Description</u> <i>Emission:</i> Odour from cytotoxic and dry pharmaceutical wastes <i>Impact:</i> Nuisance impacts on nearby receptors. Industrial premises are located adjacent to the property and residents are located 450 m south east. <i>Controls:</i> Wastes accepted for storage prior to removal offsite will be bagged, contained and stored in an enclosed sea container at all times. Doors to the sea container will be kept closed at all times except during entry to prevent odour emission from the storage area. The waste is typically removed within 3-4 weeks however waste may be stored for up to 60 days to allow for sufficient volume accumulation to warrant the transportation to Victoria.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk:</i> Low</p> <p><u>Regulatory Controls:</u> Condition 1.2.2 and table 1.2.2 require the licensee to store cytotoxic and dry pharmaceutical wastes in sealed bags within the appropriately labelled bin or container, within a secure closable sea container within a bunded concrete hardstand to ensure the odour risk remains low. Previous requirements to remove waste within 60 days, and requirement that waste must not be stored with autoclave and shredding waste have been replicated in this table.</p> <p>Nuisance odours are also regulated under section 49 of the <i>Environmental Protection Act 1986</i> and should DER receive odour complaints these conditions may be reassessed.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk:</i> Low</p>	



Monitoring	L3.1.1-3.1.2	Previous conditions 3.1.1 and 3.1.2 are removed as they are not enforceable as the requirements for compliance are unclear. Specific requirements in relation to monitoring are retained in renumbered conditions 3.1.2 to 3.2.4	N/A
Information	L4.1.2	<p>Previous condition 4.1.2 is removed as it is not enforceable as the requirements for compliance are unclear. It is the licensee's responsibility to ensure the licence conditions are complied with at all times.</p> <p>Previous condition 4.3.1 is removed as conditions requiring calibration report have been removed, and the requirement to notify any failure or malfunction of pollution control equipment is covered under section 72 of the <i>Environmental Protection Act 1986</i>.</p>	Section 72 of the <i>Environmental Protection Act 1986</i> .
Licence Duration	N/A	The premises has Local Authority planning approval with no expiry date. The premises is considered to have a low risk profile. The expiry date has been extended to 2030 in line with DER's licensing processes.	N/A



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
24/3/2016	Proponent sent a copy of draft instrument	The signed waiver form was dated 29/3/16 and returned to DER without further comment.	Licence amendment finalised.



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High