



Partial Decision Document

Environmental Protection Act 1986, Part V

Proponent: API Management Pty Limited
Works Approval: W5172/2012/1

Registered office: Level 14, 225 St Georges Terrace
PERTH WA 6000

ACN: 112 677 595

Premises address: West Pilbara Iron Ore Project (WPIOP) Stage 1 Putrescible Landfill
Mining tenement L08/68 within the coordinates 7548057N, 417188 E;
7547991 N, 417299 E; 7547459 N, 417108 E; and 7547571 N,
416816 E
CANE WA 6710
(as depicted in Schedule 1).

Issue date: Thursday, 7 June 2012

Commencement date: Monday, 11 June 2012

Expiry date: Saturday, 31 December 2016

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue an amended works approval. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by: Lindy Twycross
Licensing Officer

Decision Document authorised by: Alana Kidd
Manager Licensing



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's 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.

Works approval and licence conditions

DER has three types of conditions that may be imposed on works approvals and licences. They are as follows;

Standard conditions (SC)

DER has standard conditions that are imposed on all works approvals and licences regardless of the activities undertaken on the Premises and the information provided in the application. These are included as the following conditions on works approvals and licences:

Works approval conditions: 1.1.1-1.1.4, 1.2.1, 1.2.2, 5.1.1 and 5.1.2.

Licence conditions: 1.1.1-1.1.4, 1.2.1-1.2.4, 5.1.1-5.1.4 and 5.2.1.

For such conditions, justification within the Decision Document is not provided.

Optional standard conditions (OSC)

In the interests of regulatory consistency DER has a set of optional standard conditions that can be imposed on works approvals and licences. DER will include optional standard conditions as necessary, and are likely to constitute the majority of conditions in any licence. The inclusion of any optional standard conditions is justified in Section 4 of this document.

Non standard conditions (NSC)

Where the proposed activities require conditions outside the standard conditions suite DER will impose one or more non-standard conditions. These include both premises and sector specific conditions, and are likely to occur within few licences. Where used, justification for the application of these conditions will be included in Section 4.



2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/>	
	New Licence <input type="checkbox"/>	
	Licence amendment <input type="checkbox"/>	
	Works Approval amendment <input checked="" type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	89	780 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 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 checked="" type="checkbox"/>	No <input 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 checked="" type="checkbox"/>	No <input type="checkbox"/>
		Ministerial statement No: 881 EPA Report No: 1409
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 type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
If Yes include details of which EPP(s) here.		
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
If Yes, include details here, eg Site is subject to SO ₂ requirements of Kwinana EPP.		



3 Executive summary of proposal and assessment

API Management Pty Limited (API) is developing the West Pilbara Iron Ore Project (WPIOP) Stage 1, a mining and export project based on the development of a number of iron ore resources located south of Pannawonica. API proposes to construct a putrescible landfill to service the WPIOP Stage 1 accommodation, including the mine village.

The proposed landfill is located on Tenement L08/68, underlaid by Red Hill Pastoral Station, approximately 36 km northeast of the Nanutarra-Munjina Road and 70 km east of the North West Coastal Highway. The landfill is surrounded by mining tenure and mining tenements. There are no sensitive land uses within 5 km of the site. The nearest sensitive premises is the Red Hill Homestead, located approximately 25 km northwest of the premises. The predominant land use in the area is pastoral grazing and mineral exploration.

The Cane River is approximately 1 km south of the proposed landfill and the landfill is located in the Cane River catchment. There are no permanent surface water features on the site and engineering design has focused on diversion of surface flows around the landfill area. Rainfall and surface water flows are highly variable during the year and between years.

The landfill will accept up to 780 tonnes per year of putrescible and inert wastes. It will comprise of 47 trenches measuring 30 m long, 3-5 m deep and 5 m wide. The distance between each trench will be approximately 10 m. Trenches will be opened when and if required over the life of the Project. The landfill is designed and will be operated in accordance with the Environmental Protection (Rural Landfill) Regulations 2002.

The landfill will not be lined as it is not located near to a sensitive water resource and is underlain by a thick clay deposit. The depth to the water table is estimated at between approximately 13 and 25 metres below ground level (mbgl). Groundwater monitoring bores will be installed both up and down hydraulic gradient of the landfill. API have committed to monitoring groundwater quality during operations.

The landfill will be constructed in two Phases (Table 1). Phase 1 involves constructing five trenches in a fenced enclosure. To prevent stormwater ingress during Phase 1 operations, excavated material will be placed in windrows up-gradient of the open trenches. It is expected that the Phase 1 landfill facility will be operating whilst the Phase 2 landfill facility is being constructed. The Phase 2 landfill will be fully fenced with a lockable gate and surrounded by an earthen bund to prevent stormwater inflow.

Table 1. Proposed Phases

Design factor	Phase 1	Phase 2
Approximate capacity	32 tonnes per year	780 tonnes per year
Approximate life	2 years	17 years (cumulative)
Trenches	5	47 (cumulative)
Footprint	0.35 hectares	7.00 hectares (cumulative)

To allow for the simultaneous operation of Phase 1 trenches and construction of the remaining Phase 2 trenches, API will be required to submit a partial compliance document upon completion of the construction of Phase 1. API will then need a licence to operate the Phase 1 landfill whilst they continue to construct the remainder of Phase 2. Following completion of Phase 2, a final compliance document will need to be submitted to DEC prior to a licence amendment that allows for the operation of Phase 2.



API submitted an application to amend the Works Approval to extend the date of expiry to December 2016 because the works approval will soon expire, the works have not yet commenced, and to align the Works Approval with the installation of the Mine Accommodation Facility under Works Approval W5064/2011/1.

There are no changes to the proposed works. Therefore the Works Approval has not been reassessed. The emissions and discharges have previously been assessed to be of low significance if the landfill is constructed in accordance with the works approval supporting documentation. The expiry date has been amended as requested to extend the date of expiry from 10 June 2015 to 31 December 2016, and the Works Approval has been converted to the updated format.



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	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	W1.2.2	N/A	W1.2.2 is a standard condition that requires environmentally hazardous materials to be stored in accordance with the code of practice for the storage and handling of dangerous goods.	N/A
Licence Duration	N/A	N/A	Work has not yet commenced due to change in owners of API Management Pty Limited in 2014. The proposed extended expiry date will align the Works Approval with the installation of the Mine Accommodation Facility under W5064/2011/1. The Works Approval expiry date will be extended from 10 June 2015 to 31 December 2016.	Email correspondence – Re - Further information required Amendment of W5172/2012/1 sent 19 May 2015 7:04



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
2/06/2015	Proponent sent a copy of draft instrument	Noted that application documents referred to in the works approval are authored by API Management Pty Ltd, not API Pty Ltd.	Corrected



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