



Application for Licence Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Licence Number	L8591/2011/1
Licence Holder	P.M.R Quarries Pty Ltd
ACN	008 866 448
File Number	2011/007881-1
Premises	Mount Minnie Project Onslow Road, TALANDJI 6710 Legal description Mining Lease 08/475 As defined by the premises maps in Schedule 1 of the licence
Date of Report	27 June 2023
Decision	Revised licence granted

**Alana
Kidd**

Alana Kidd

Manager, Resource Industries

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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Alana Kidd
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1. Decision summary

Licence L8591/2011/1 is held by P.M.R Quarries Pty Ltd (Licence Holder) for the Mount Minnie Project (the Premises), located on Onslow Road, TALANDJI 6710.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the operation of the Premises. As a result of this assessment, Revised Licence L8591/2011/1 has been granted.

The Revised Licence issued as a result of this amendment consolidates and supersedes the existing Licence previously granted in relation to the Premises. The Revised Licence has been granted in a new format with existing conditions being transferred, and reassessed, to the new format.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Application summary

On 30 March 2023, the Licence Holder submitted an application to the department to amend Licence L8591/2011/1 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- to increase the throughput of the existing Screening and Crushing Plant to 750,000 tonnes per year at the premises to meet increased market demand.

This amendment is limited only to changes to Category 12 activities from the Existing Licence. No changes to the aspects of the existing Licence relating to Category 77 have been requested by the Licence Holder.

Table 1 below outlines the proposed changes to the existing Licence.

Table 1: Proposed throughput capacity changes

Category	Current throughput capacity	Proposed throughput capacity	Description of proposed amendment
12	400 000 tonnes per annual period	750 000 tonnes per annual period	Increased throughput of ore at the existing mobile screening and crushing plant.

2.4 Consolidation of Licence

As part of this amendment package the department has consolidated the licence by incorporating changes made under the Amendment Notices as summarised in Table 2.

Table 2: Licences consolidated in this amendment

Instrument	Issued	Summary of approval
L8591/2011/1	15 March 2012	Licence granted
L8591/2011/1	26 April 2016	Notice of Amendment of Licence Expiry Dates
L8591/2011/1	21 April 2017	Amendment Notice 1 Reduce category 12 production capacity from 750,000 to 400,000 tonnes per annual period and administrative changes.
L8591/2011/1	29 March 2022	Notice of Amendment of Licence Reporting Requirements Annual Environmental Report: No submission required. Annual Audit Compliance Report: 31/03/2023 and annually thereafter.

The obligations of the Licence Holder have not changed in consolidating the licence. The department has not undertaken any additional risk assessment of the Premises related to previous Amendment Notices.

In consolidating the licence, the CEO has:

- updated the format and appearance of the Licence;
- revised licence condition's numbers, and removed any redundant conditions and realigned condition numbers for numerical consistency; and
- corrected clerical mistakes and unintentional errors.

The full consolidation of licence conditions as they relate to this Revised Licence are detailed in Section 5.1. Previously issued Amendment Notices will remain on the department's website for future reference and will act as a record of the department's decision making.

3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020).

To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this Amendment Report are detailed in Table 3 below.

Table 3 also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Table 3: Licence Holder controls

Emission	Sources	Potential pathways	Proposed controls
Operation			
Dust	Extra dust produced from increased throughput at mobile screening and crushing plant, and associated unloading, loading and storage or stockpiling of material. Increased truck/ vehicle movements onsite.	Air/windborne pathway	<ul style="list-style-type: none"> Existing Water mist sprays will be located on crushing circuit Water carts will be utilised to suppress dust on stockpiles; Maximum speed limit for all vehicles of 50 km per hour; Minimise vehicle movement on site; Restrict access to existing tracks; Use of water trucks on haul roads; and Sufficient water is on-site through the existing groundwater licence (GWL175751).
Increase of Sediment laden stormwater		Overland runoff	Surface run-off in the plant area will be directed to a pond and retained on site.
Increased noise emissions	Additional production	Air/windborne pathway	No noise controls proposed.

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Licence Holder's from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other state legislation.

Table 4 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020)).

Table 4: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Aboriginal site 8148, claypan well 1	1 km west from the mobile crushing and screening plant
Onslow Road	2 km east from the mobile crushing and screening plant
Environmental receptors	Distance from prescribed activity
Cane Conservation Park	1 km south from the mobile crushing and screening plant

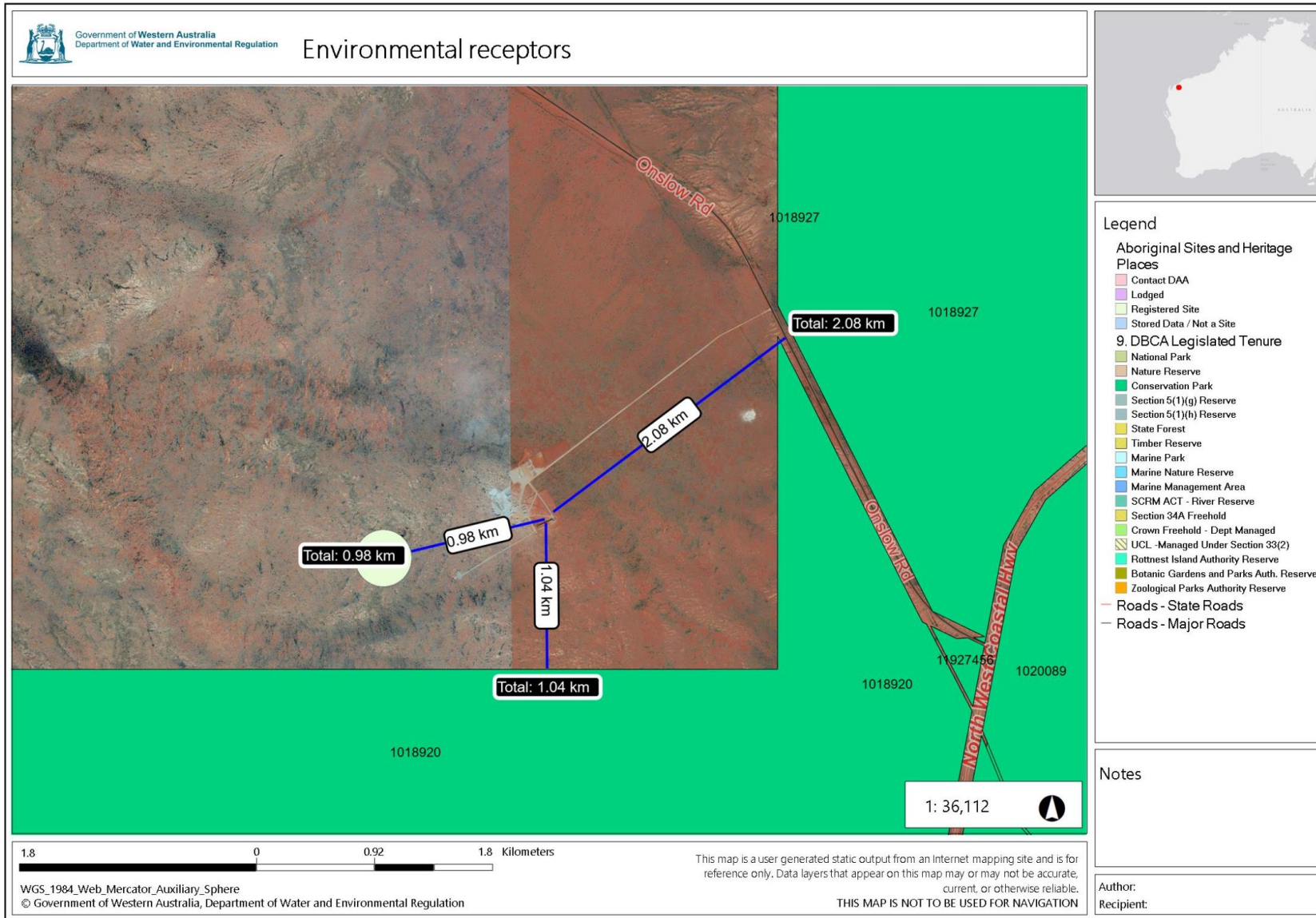


Figure 1: Distance to sensitive receptors

Licence: L8591/2011/1

IR-T15 Amendment report template v3.0 (May 2021)

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are incomplete they have not been considered further in the risk assessment.

Where the Licence Holder has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the Licence Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 5.

The Revised Licence L8591/2011/1 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises i.e. Crushing and screening and associated activities.

The conditions in the Revised Licence have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 5. Risk assessment of potential emissions and discharges from the Premises during operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Operation								
Extra dust and noise produced from increased throughput at mobile screening and crushing plant, and associated unloading, loading and storage or more stockpiling of material.	Dust	Air / windborne pathway causing impacts to health and amenity	Onslow Road	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Condition 2, 3, 4, 5	N/A
	Sediment laden stormwater	Overland runoff potentially causing ecosystem disturbance or impacting surface water quality	Aboriginal site 8148, claypan well 1 Cane Conservation Park	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Condition 6	N/A
Truck vehicle movements.	Noise	Air / windborne pathway causing impacts to health and amenity	Aboriginal site	Refer to Section 3.1	C = Minor L = Rare Low Risk	N	N/A	No specific noise conditions applied. Refer to Appendix 1.

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk assessments* (DWER 2020).

Note 2: Proposed Licence Holder's controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

4. Consultation

Table 6 provides a summary of the consultation undertaken by the department.

Table 6: Consultation

Consultation method	Comments received	Department response
Local Government Authority Shire of Ashburton advised of proposal on 21 April 2023.	The Shire of Ashburton replied on 1 May 2023 with no objections and recommended DWER seek comment from Main Roads.	The department will seek comment from Main Roads.
Department of Mines, Industry Regulation and Safety (DMIRS) advised of proposal on 21 April 2023.	DMIRS replied on 27 April stating that the proposed increase of plant throughput to 750,000 tonnes is consistent with the latest approved Mining Proposals for this site. DMIRS has no formal comments or objections.	The department notes the consistency.
Main Roads advised of proposal on 5 May 2023.	No response was received by Main Roads.	N/A
Licence Holder was provided with draft amendment on 13 June 2023.	Refer to Appendix 1.	Refer to Appendix 1.

5. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a Revised Licence will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

5.1 Summary of amendments

Table 7 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Table 7: Summary of licence amendments

Condition no.	Proposed amendments
Cover - premises details	Under, change suburb from Onslow to Talandji.
Cover - Prescribed premises table	Increase category 12 design capacity from 400 000 to 750 000 tonnes per annual period.
Licence History	Updated date formats to 'DD/MM/YYYY' for consistency. Added latest amendment details, including formatting update.
1	Updated wording. Correction of capitalisation error. Increase in limit from 400, 000 tpa to 750, 000 tpa.

2 to 5	Inclusion of applicant's proposed dust controls to mitigate dust emissions from crushing and screening operations.
6	Inclusion of applicant's proposed stormwater controls to mitigate sediment laden stormwater emissions from crushing and screening operations.
7	Inclusion of standard books condition.
Figure 1	Updated for legibility.
Figure 2	Inserted figure to show the location of the crushing and screening plant.

Table 8: Consolidation of licence conditions in this amendment (reformatting)

Existing condition	Condition summary	Revised licence condition	Conversion notes
Cover - Prescribed premises table	Prescribed premises category description	N/A	Reduced description texts of listed categories to short description.
Contents	Contents	N/A	Redundant. Revised to current licensing format.
Introduction	Introduction	Licence History	Deleted. Instrument log now licence history.
1.1.1 1.1.2	Interpretation and definitions	N/A Interpretation section, Definitions Table (Table 4)	Redundant. Revised to current licensing format.
1.1.3	Australian or other standard	N/A Interpretation section, Definitions Table (Table 4)	Redundant condition. Revised to current licensing format.
1.1.4	Reference to code of practice	N/A Interpretation section, Definitions Table (Table 4)	Redundant condition. Revised to current licensing format.
1.2	Premises operation	N/A	Revised to current licensing format.
1.1.5	Material processing	1	New numbering and update to wording format.
2	Information	Records and Reporting	Revised to current licensing format.
2.1	Records	Records	Revised to current licensing format.
2.1.1	Books	Condition 8	New numbering and update to wording format.
2.1.2	Annual Audit Compliance Report	Condition 9	New numbering and update to wording format.
2.1.3	Complaints	Condition 10	New numbering and update to wording format.

Existing condition	Condition summary	Revised licence condition	Conversion notes
2.2	Reporting	N/A	Deleted as per the Notice of Amendment of Licence Reporting Requirements.
2.2.1 Table 2.2.1	Annual Environmental Report	N/A	Deleted as per the Notice of Amendment of Licence Reporting Requirements.
Definitions	Definitions	Table 4	Updated definition wording.
Schedule 1: Maps	Premises map	Figure 1	Inserted Figure 1 caption.

References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
3. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.

Appendix 1: Summary of Licence Holder's comments on risk assessment and draft conditions

Condition	Summary of Licence Holder's comment	Department's response
Request for comment on first draft sent 13 June 2023. 2.2 Application summary	Email received 26 June 2023. No additional plant is proposed.	DWER notes the increased throughput applies to the existing mobile screening and crushing plant.
Request for comment on first draft sent 13 June 2023. Table 3: Licence Holder controls	Email received 26 June 2023. Yes, water sprays are installed on the crushing plant.	DWER notes the water sprays on the mobile crushing plant are existing.
Request for comment on first draft sent 13 June 2023. Table 3: Licence Holder controls	Email received 26 June 2023. Sprinklers are not proposed for the stockpiles. The on-site water cart provides dust suppression for stockpiles if required.	DWER notes water carts will be utilised to control dust emissions from the stockpiles rather than via sprinklers.
Request for comment on first draft sent 13 June 2023. Table 3: Licence Holder controls	Email received 26 June 2023. Sufficient water is on-site through the existing groundwater licence (GWL175751)	DWER notes sufficient water allocation from the groundwater licence.
Request for comment on first draft sent 13 June 2023. Table 3: Licence Holder controls	Email received 26 June 2023. No change to plant and equipment is proposed or required therefore no significant change to noise emissions will occur. The amendment is to return the licensed throughput to what was originally assessed and approved in 2012. There are no noise sensitive receptors in proximity to the premises and no complaints have ever been received.	DWER notes the potential for the Aboriginal Site 8148 to be visited and become a sensitive receptor. Future noise complaints and response will be recorded under condition 10.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)				
Application type				
Works approval	<input type="checkbox"/>			
Licence	<input type="checkbox"/>	Relevant works approval number:		None <input type="checkbox"/>
		Has the works approval been complied with?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
		Has time limited operations under the works approval demonstrated acceptable operations?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
		Date report received:		
Renewal	<input type="checkbox"/>	Current licence number:		
Amendment to works approval	<input type="checkbox"/>	Current works approval number:		
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L8591/2011/1	
		Relevant works approval number:	W5039/2011/1	N/A <input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:		None <input type="checkbox"/>
Date application received	30/03/2023			
Applicant and premises details				
Applicant name/s (full legal name/s)	PMR Quarries Pty Ltd (008 866 448)			
Premises name	Mount Minnie Project			
Premises location	Mining Lease 08/475 (no change)			
Local Government Authority	Shire of Ashburton			
Application documents				
HPCM file reference number:	2011/007881-1~9			
Key application documents (additional to application form):	Cover letter			
Scope of application/assessment				
Summary of proposed activities or changes to existing operations.	<p><i>Licence amendment</i></p> <p>Increase through put of Mobile crushing and screening plant from 400,000 tpa to 750,000 tpa.</p>			

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)

Category number/s (activities that cause the premises to become prescribed premises)

Table 1: Prescribed premises categories

Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity (amendments only)
Category 12: Screening etc. of material: premises (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	400,000 tpa	750,000 tpa.

Legislative context and other approvals

Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: N/A Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: N/A EPA Report No: N/A
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No: N/A
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Certificate of title <input type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry: N/A for amendments.
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Approval: Expiry date: If N/A explain why?
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	CPS No: N/A No clearing is proposed.
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: N/A Licence/permit No: N/A No clearing is proposed.

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)

Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Application reference No: Licence/permit No: GWL175751/2
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: Pilbara Surface Water Area Type: Surface Water Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: North West
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Priority: N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Classification: N/A Date of classification: N/A