Permit

Environmental Protection Act 1994

Environmental authority EPPR00437413

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Environmental authority number: EPPR00437413

Environmental authority takes effect on 20 June 2019

Environmental authority holder(s)

Name(s)	Registered address
Darling Downs Hospital and Health Service	13 Pechey St SOUTH TOOWOOMBA QLD 4350 Australia

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 15 - Fuel burning, Using fuel burning equipment that is capable of burning at least 500kg of fuel in an hour	LOT 965/SP180283

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the Environmental Protection Act 1994 (EP Act).

Contaminated land

It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days);

ABN 46 640 294 485

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority-on the nominated day; or
b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or
c) otherwise-on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the Planning Act 2016 or an SDA Approval under the State Development and Public Works Organisation Act 1971), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.

Kenneth Walker
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 20 June 2019

Enquiries:
Heritage, Utilities and Government Assessment
Department of Environment and Science
Phone: 1300 130 372
Email: palm@des.qld.gov.au

Obligations under the Environmental Protection Act 1994

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site.

Obligations under the *Mining and Quarrying Safety and Health Act 1999*

If you are operating a quarry, other than a sand and gravel quarry where there is no crushing capability, you will be required to comply with the *Mining and Quarrying Safety and Health Act 1999*. For more information on your obligations under this legislation contact Mine Safety and Health at www.dnrme.qld.gov.au, or phone 13 QGOV (13 74 68) or your local Mines Inspectorate Office.

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

Environmentally relevant activity/activities	Location(s)
ERA 15 - Fuel burning, using fuel burning equipment that is capable of burning at least 500kg of fuel in an hour.	13 Hogg St, QLD 4350 TOOWOOMBA Lot 965 SP180283

Schedule A - Activity

Prevent and/or minimise likelihood of environmental harm	
Condition number	**Condition**
A1-1	In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood or environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority. NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

Maintenance of measures, plant and equipment	
Condition number	**Condition**
A2-1	The holder must: - Install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and - Maintain such measures, plant and equipment in a proper and efficient condition; and - Operate such measures, plant and equipment in a proper and efficient manner.
Site based management plan	
Condition number	**Condition**
A3-1	From commencement of the activity, a Site Based Management Plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sourced and what actions will be taken to prevent the likelihood of environmental harm being cause. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all Environmentally Relevant Activities that are carried out. The site based management plan must address the following matters: - Environmental commitments- a commitment by senior management to achieve environmental goals. - Identification of environmental issues and potential impacts. - Control measures for routine operations to minimise likelihood of environmental harm. - Contingency plans and emergency procedures for non-routine situations. - Organisational structure and responsibility. - Effective communication. - Monitoring of the contaminant releases. - Conducting environmental impact assessments. - Staff training. - Record keeping. - Periodic Review of environmental performance and continual improvement.

A3-2	A copy of the Site-Based Management Plan must be kept at the premises described in the licence, in a location readily accessible to personnel carrying out the activity and be available for examination by an authorised person on request.
Records	

Condition number	Condition
A4-1	Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.
A4-2	Records must be kept for five years, and must include the following information: - The results of all tests and determinations required in accordance with Schedule B-Air - Details of waste removal and disposal activities including: Date of pickup of waste; description of waste; cross reference to relevant waste transport documentation; quantity of waste; origin of the waste; destination of the waste; and intended fate of the waste (for example, type of waste treatment, reprocessing or disposal). NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition.

Schedule B - Air

Nuisance	
Condition number	**Condition**
B1-2	The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.
Fuel Type- Boilers, Space Heaters and Cogeneration sets	

Condition number	Condition
B2-1	The fuel which may be burned in the boilers, space heaters and cogeneration sets is natural gas.
Fuel Type- Emergency Generators	
Condition number	**Condition**
B2-2	The only fuel to be burned in the emergency generators is distillate oil (diesel) or natural gas.
The release of contaminants to the atmosphere	
Condition number	**Condition**
B3-1	The release of contaminants to the atmosphere from a point source must only occur from those release points identified in Schedule B- Table 1. For release points identified as S1 and S4 to S13 the release of contaminants must be directed vertically upwards without any impedance or hindrance.

B3-2	Contaminants must be released to the atmosphere from a release point at a height not less than the corresponding height stated for that release point in Schedule B – Table 1.
B3-3	Contaminants must not be released to the atmosphere from a release point at a mass emission rate/concentration as measured at a monitoring point, in excess of that stated in Schedule B-Table 1 and monitored not less frequently than Schedule B - Table 1.
B3-4	Catalytic oxidation purifiers must be installed in exhaust pipes as close as practicable to the internal combustion engine with exhaust emissions connected to release point S6 and all exhaust gases from this engine must pass through these purifiers before being released to the atmosphere.
B3-5	Release point locations and burner exhaust characteristics for all gas fired equipment without a release limit specified in Schedule B – Table 1 must be established and maintained in accordance with AG 5601-2002 *Gas Installations.*

Schedule B - Table 1 (Release of contaminants)

Release point number	Location and Minimum release height (metres)	Contaminant release	Maximum release limit	Sampling Frequency
S1- Cummins 230 kW GTA 14/G2 Stamford HC534C Cogeneration set	9 m above highest point of roof of plant room at Emma Webb Building	Combustion products	NS	At request of the administering authority
S2- (Approximately 5 units) Raypaks Heating Hot Water Systems	Sites include Medical Block, Surgical Block, Kitchen, Renal, & Cossart House	Combustion products	NS	At request of the administering authority
S3 – (Approximately 10 Units) Raypaks and Rheem	Various locations throughout the hospital campus	Combustion products	NS	At request of the administering authority
Domestic Hot Water Systems	and accommodation blocks			
S4 & S5 – 2 X 200 kVA (TAIYO) Diesel Emergency Generators	Not less than 4m above the highest point of the Generator Room and any adjacent building	Combustion products	NS	At request of the administering authority
S6 – 1000 kVA Cummins/Onan Standby Generator	4 m above the highest point of roof of plant room at Emma Webb Building	Combustion products	NS	At request of the administering authority

S7, S8 & S9 – 3 X Edwards Model HEV 330/490 Natural Gas Fired Domestic Hot Water Systems	4 m above the roof at level 7 of Emma Webb Building	Combustion products	NS	At request of the administering authority
S10 & S11 – 2 X Dedietrich Model 411 Gas Fired Space Heaters	4 m above the roof at level 4 of Emma Webb Building	Oxides of Nitrogen Calculated as NO_2	0.35 grams per cubic metre	Annually
S12 & S13- 2 X East Coast Steam Fired Boilers 1.0 MW Capacity	4 m above the roof at level 4 of Emma Webb Building	Oxides of Nitrogen Calculated as NO_2	0.35 grams per cubic metre	Annually
Enerque/Cummins Standby Generator 810kva	Not less than 4m above the highest point of the Generator Room and any adjacent building	Combustion products	NS	At request of the administering authority
FG Wilson Standby Generator 100kva	Not less than 4m above the highest point of the Generator Room and any adjacent building	Combustion products	NS	At request of the administering authority

B3-6	When requested by the Administering Authority, contaminant monitoring and recording must be undertaken to investigate any complaint of contamination, and the results notified within 14 days to the administering authority. If you can provide evidence through monitoring that the limits in Schedule B Table 1 are not being exceeded then you shall not be in breach of condition B3-1 with regards to any release of the contaminants listed in Schedule B Table 1. When monitoring is requested the following must be complied with: The following tests must be performed for each required determination specified in Schedule B-Table 1: - gas velocity and volume flow rate; - temperature - exhaust flue concentrations of oxygen, carbon monoxide, carbon dioxide and oxides of nitrogen - calculated combustion efficiency Where practicable samples must be taken when emissions are expected to be at maximum rates. During the sampling period the following additional information must be gathered: - commodity produced and production rate at the time of sampling; - fuel consumption rate - number of equipment items, mixing and dilution rates operating; - exhaust or mixing temperature; and - reference to the actual test methods and accuracy.

Schedule C- Water

Release to waters	
Condition number	**Condition**
C1-1	Contaminants must not be released from the site to any waters or the bed and banks of any waters.
Waste spills	
Condition number	**Condition**
C2-1	Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.

Schedule D- Noise and vibration

Noise nuisance	
Condition number	**Condition**
D1-1	Noise activities must not cause an environmental nuisance at any noise affected premises.
D1-2	In the event of a complaint about noise that the administering authority considers is justified, noise from activities must not exceed the levels specified in Schedule D- Table 1 at any noise affected premises.

Schedule D- Table 1 (Noise limits)

Noise level dB(A) measured as	**Monday to Saturday**			**Sundays and public holidays**		
	7am - 6pm	**6pm – 10pm**	**10pm – 7am**	**9am - 6pm**	6pm – 10pm	10pm – 9am
	Noise measured at a ' Noise sensitive place'					
$L_{A10, adj, 10 mins}$	45	40	35	45	40	35
$L_{A1, adj, 10 mins}$	55	50	40	55	50	40
	Noise measured at a 'Commercial place'					
$L_{A10, adj, 10 mins}$	50	45	35	50	45	35
$L_{A1, adj, 10 mins}$	60	55	45	60	55	45

Noise monitoring	
Condition number	**Condition**
D2-1	When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include: - $L_{A10, adj, 10 mins}$ - $L_{A1, adj, 10 mins}$ - the level and frequency of occurrence of impulsive or tonal noise; - atmospheric conditions including wind speed and direction; - effects due to extraneous factors such as traffic noise; and - location, date and time of recording.
D2-2	The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

Schedule E - Waste

Waste handling	
Condition number	**Condition**
E1-1	All regulated waste removed from the site must be removed by a person who holds a current authority to transport such waste under the provisions of the *Environmental Protection Act 1994*.

Schedule F – Land

Preventing contaminant release to land	
Condition number	**Condition**
F3-1	Contaminants must not be released to land.
F3-2	Spillage of chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm. NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 – Storage and Handling of Flammable and Combustible Liquids.

Schedule G - Community

Complaint Response	
Condition number	**Condition**
G1-1	All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.
Incident Recording	
Condition number	**Condition**
G2-1	A record must be maintained of events including but not limited to: - the time, date and duration of fuel burning equipment malfunctions where the failure of such equipment may result in environmental contamination; and - any abnormal shut-downs of the equipment.
G2-3	The record required by condition number G1-1 and G2-1 must be maintained for a period of not less than five (5) years.

Schedule H - Definitions

Words and phrases used throughout this authority are defined below. Where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Term	Definition
administering authority	means the Environmental Protection Agency or its successor.
site	means the place to which this environmental authority relates or the premises to which this development approval relates.
authorised place	means the place authorised under this environmental authority/development approval for the carrying out of the specified environmentally relevant activities.
this authority	means this environmental authority/development approval
authority	means level 1 licence (without development approval), or level 1 approval (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994.*

dwelling	means any of the following structures or vehicles that is principally used as a residence- - a house, unit, motel, nursing home or other building or part of a building; - a caravan, mobile home or other vehicle or structure on land; - a water craft in a marina.
noxious	means harmful or injurious to health or physical wellbeing.
offensive	means causing offence or displeasure; is disagreeable to the sense; disgusting; nauseous or repulsive.
nuisance sensitive place	includes- - a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or - a motel, hotel or hostel; or - a kindergarten, school university or other educational institution; or - a medical centre or hospital; or - a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or - a public thoroughfare, parks or gardens; or - a place used as a workplace, an office or for business or commercial purposes. And includes a place within the curtilage of such a placed reasonably used by persons at that place.
$L_{A10, adj, 10 mins}$	means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.
$L_{A1, adj, 10 mins}$	means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.
$L_{A, max adj, T}$	means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

noise affected premises	means a “noise sensitive place” or a “commercial place”

noise sensitive place	means **–** - a dwelling, mobile home or caravan park, residential marina or other residential premises; or - a motel, hotel or hostel; or - a kindergarten, school, university or other educational institution; or - a medical centre or hospital; or - a protected area; or - a park or gardens. And includes the curtilage of such place.
commercial place	means a place used as an office or for business or commercial purposes.
waters	includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part-thereof
land	in the “land schedule” of this document means land excluding waters and the atmosphere
mg/L	means milligrams per litre

END OF PERMIT