

Permit

Environmental Protection Act 1994

Environmental authority EPPR00245013

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

Environmental authority number: EPPR00245013

Environmental authority takes effect on 31 January 2019

Environmental authority holder(s)

Name(s)	Registered address
CORBEK QLD PTY LTD	7 Supply Ct ARUNDEL QLD 4214 Australia

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 46 - Chemically treating timber, Using chemicals listed in AS1604.1, appendix B, other than copper chromium arsenic or creosote, to treat 1500m3 or more of timber in a year for preservation on a commercial basis	Lot 81/CP885499

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

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- 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);

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.

Tristan Roberts
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 07 February 2019

Enquiries:
Extraction, Energy and Chemical Industries
Assessment
Department of Environment and Science
Phone: 1300 130 372
Email: palm@des.qld.gov.au

Environmental authority

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)

Agency Interest: General	
Condition number	Condition
G1	Prevent and/or minimise likelihood of environmental harm. In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent or minimise the likelihood of environmental harm being caused.
G2	Maintenance Of Measures, Plant and Equipment The operator of an ERA to which this approval relates must: a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and b) maintain such measures, plant and equipment in a proper and efficient condition; and c) operate such measures, plant and equipment in a proper and efficient manner.
G3	Site Based Management Plan From commencement of an ERA to which this approval relates, 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 sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out. The SBMP must address the following matters: a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals. b) Identification of environmental issues and potential impacts. c) Control measures for routine operations to minimise likelihood of environmental harm. d) Contingency plans and emergency procedures for non-routine situations. e) Organisational structure and responsibility. f) Effective communication. g) Monitoring of contaminant releases. h) Conducting environmental impact assessments. i) Staff training. j) Record keeping. k) Periodic review of environmental performance and continual improvement.
G4	Records Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.
G5	All records required by this approval must be kept for 5 years.

G6	Display of Approval A copy of this approval must be kept in a location readily accessible to personnel carrying out the activity.
G7	Equipment Calibration All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.
G8	Trained Experienced Operator(s) The daily operation of the waste water treatment system and pollution control equipment must be carried out by a person(s) with appropriate experience and/or qualifications to ensure the effective operation of that treatment system and control equipment.
G9	Spill Kit An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.
G10	Spill Kit Training Anyone operating under this approval must be trained in the use of the spill kit.
G11	Exception Reporting The operator of an ERA to which this approval relates must notify the administering authority in writing of any monitoring result which indicates an exceedance of any approval limit within twenty eight (28) days of the completion of analysis.
G12	Incident Notification The registered operator must telephone the administering authority's Pollution Hotline (1300 130 372) immediately after becoming aware of any release of contaminants not in accordance with the conditions of this approval or an event where environmental harm has been caused or may be threatened.
G13	Incident Reporting A written notice detailing the following information must be provided to the administering authority within 14 days of any advice provided in accordance with condition G12: a) the name of the registered operator, including their approval / registration number; b) the name and telephone number of a designated contact person; c) quantity and substance released; d) vehicle and registration details if relevant; e) person/s involved (driver and any others) if relevant; f) the location and time of the release / event;

	g) the suspected cause of the release / event; h) a description of the effects of the release / event; i) the results of any sampling performed in relation to the release / event; j) actions taken to mitigate any environmental harm caused by the release / event; and k) proposed actions to prevent a recurrence of the release / event.
G14	Complaint Response The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request: a) Time, date, name and contact details of the complainant; b) reasons for the complaint; c) any investigations undertaken; d) conclusions formed; and e) any actions taken.
Agency Interest: Air	
Condition number	Condition
A1	Dust Nuisance The release of dust and/or particulate matter resulting from the ERA must not cause an environmental nuisance at any nuisance sensitive or commercial place.
A2	Dust and particulate matter must not exceed the following levels when measured at any nuisance sensitive or commercial place: a) Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 of 2003 (or more recent editions); OR b) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (um) (PM₁₀) suspended in the atmosphere of 50 micrograms per cubic metre over a 24 hour averaging time, at a nuisance sensitive or commercial place downwind of the site, when monitored in accordance with: (i) Australian Standard AS 3580.9.6 of 2003 (or more recent editions) 'Ambient air Particulate matter - Determination of suspended particulate PM₁₀ high-volume sampler with size-selective inlet -Gravimetric method'; or (ii) any alternative method of monitoring PM₁₀ which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.
A3	When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: a) for a complaint alleging dust nuisance, dust deposition; and

	b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (PM ₁₀) suspended in the atmosphere over a 24hr averaging time.
A4	Dust Minimisation: Traffic Movements Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of dust and particulate matter to the atmosphere. Reasonable and practicable measures may include but not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dust suppressants and wind breaks.
A5	Odour Nuisance 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 nuisance sensitive or commercial place.
A6	The Release Of Contaminants To The Atmosphere Contaminants must not be released to the atmosphere.
Agency Interest: Land	
Condition number	Condition
L1	Preventing Contaminant Release To Land Contaminants must not be released to land.
L2	Spillage of all 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.
L3	Chemical Handling and Mixing All mixing of chemicals must be done in an impervious bunded area.
L4	Bunding All chemical and fuel tank storage must be bunded such that the capacity of the bund is sufficient to contain at least 110 percent for a single tank or 100 percent of the largest storage tank plus 10 percent of the second largest tank within the bund.
L5	All chemical and fuel drum or container storage must be bunded so that the capacity of the bund is sufficient to contain at least 25 percent of the maximum design storage volume within the bund.
L6	All fuel and chemical tank vehicle delivery areas must be bunded so that the capacity of the bund is sufficient to contain 110% of the volume of the largest vehicle tanker compartment.

L7	All bunding must be constructed and maintained so as to be sufficiently impervious to allow retention and recovery of any materials being stored within the bund.
L8	All pipework from the bunded areas must be directed over the bund wall and not through it.
L9	All empty drums must be stored on a concrete hardstand area with their closures in place.
L10	All outdoor bunded areas must be roofed.
L11	The CCA timber treatment plant site and the LOSP timber treatment plant site must: a) be paved with an impervious concrete floor; b) be surrounded by an impervious bund wall at a height of at least 200mm above the impervious concrete floor; c) ensure the bund wall is to be constructed integrally with the concrete floor; d) ensure a collection sump is provided in the floor of the treatment plant site to ensure that any waste or treatment solution is collected and recycled in the treatment process; e) ensure the bund floor is graded so that the fall is towards the collection sump; f) be roofed over to minimise the collection of plant water within the treatment plant from rainfall.
L12	Plant water must be collected in the collection sump and reused in the treatment process or disposed of by a registered waste contractor
L13	Timber may only be removed from the drip pad area when the wood is drip free.
Agency Interest: Noise	
Condition number	Condition
N1	Noise Nuisance Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
N2	The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual.
N3	Noise Monitoring 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: a) $L_{A\text{ bg, adj, T}}$; b) $L_{A\text{ max, adj, T}}$; c) $L_{A\text{ eq, T}}$; d) $L_{A\text{ N, T}}$ (where N equals statistical levels of 1, 10, 50, 90 and 99); e) the level and frequency of occurrence of impulsive or tonal noise;

	f) atmospheric conditions including wind speed and direction; g) effects due to extraneous factors such as traffic noise; and h) location, date and time of recording.																								
N4	All noise from activities must not exceed the levels specified in Table 1 - Noise limits, at any nuisance sensitive or commercial place. Table 1 – Noise limits <table border="1"> <thead> <tr> <th colspan="2">NOISE LIMITS AT A NOISE SENSITIVE PLACE</th> </tr> <tr> <th><i>Period</i></th><th><i>Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level</i> L_A max adj T</th> </tr> </thead> <tbody> <tr> <td>Monday to Saturday 7 am - 6 pm</td><td>Background noise level plus 5 dB(A)</td> </tr> <tr> <td>Monday to Saturday 6 pm - 10 pm</td><td>Background noise level plus 5 dB(A)</td> </tr> <tr> <td>Monday to Saturday 10 pm - 7 am</td><td>Background noise level plus 3 dB(A)</td> </tr> <tr> <td>All other times and public holidays</td><td>Background noise level</td> </tr> <tr> <th colspan="2">NOISE LIMITS AT A COMMERCIAL PLACE</th> </tr> <tr> <th><i>Period</i></th><th><i>Noise Level at a Commercial Place measured as the Adjusted Maximum Sound Pressure Level</i> L_A max adj T</th> </tr> <tr> <td>Monday to Saturday 7 am - 6 pm</td><td>Background noise level plus 10 dB(A)</td> </tr> <tr> <td>Monday to Saturday 6 pm - 10 pm</td><td>Background noise level plus 10 dB(A)</td> </tr> <tr> <td>Monday to Saturday 10 pm - 7 am</td><td>Background noise level plus 8 dB(A)</td> </tr> <tr> <td>All other times and public holidays</td><td>Background noise level plus 5 dB(A)</td> </tr> </tbody> </table>	NOISE LIMITS AT A NOISE SENSITIVE PLACE		<i>Period</i>	<i>Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level</i> L _A max adj T	Monday to Saturday 7 am - 6 pm	Background noise level plus 5 dB(A)	Monday to Saturday 6 pm - 10 pm	Background noise level plus 5 dB(A)	Monday to Saturday 10 pm - 7 am	Background noise level plus 3 dB(A)	All other times and public holidays	Background noise level	NOISE LIMITS AT A COMMERCIAL PLACE		<i>Period</i>	<i>Noise Level at a Commercial Place measured as the Adjusted Maximum Sound Pressure Level</i> L _A max adj T	Monday to Saturday 7 am - 6 pm	Background noise level plus 10 dB(A)	Monday to Saturday 6 pm - 10 pm	Background noise level plus 10 dB(A)	Monday to Saturday 10 pm - 7 am	Background noise level plus 8 dB(A)	All other times and public holidays	Background noise level plus 5 dB(A)
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Agency Interest: Water																							
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W1	Release To Waters Contaminants must not be released from the site to any waters or the bed and banks of any waters except for those stated in accordance with Table 2 — Water Quality Limits. Table 2 – Water quality limits <table border="1"> <thead> <tr> <th>Quality characteristic</th><th>Release limit (maximum)</th><th>Release limit units</th><th>Monitoring frequency</th></tr> </thead> <tbody> <tr> <td>Copper</td><td>1.0</td><td>milligrams / litre</td><td>Quarterly upon release</td></tr> <tr> <td>Chromium</td><td>0.05</td><td>milligrams / litre</td><td>Quarterly upon release</td></tr> <tr> <td>Arsenic</td><td>0.05</td><td>milligrams / litre</td><td>Quarterly upon release</td></tr> <tr> <td>Suspended Solids</td><td>50</td><td>milligrams / litre</td><td>Quarterly upon release</td></tr> </tbody> </table>			Quality characteristic	Release limit (maximum)	Release limit units	Monitoring frequency	Copper	1.0	milligrams / litre	Quarterly upon release	Chromium	0.05	milligrams / litre	Quarterly upon release	Arsenic	0.05	milligrams / litre	Quarterly upon release	Suspended Solids	50	milligrams / litre	Quarterly upon release
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W2	Monitoring must be undertaken at Sample Point 1 (S1) as indicated on approved plan titled 'CCA Timber Preservation Plant at 81 Supply Court', Drawing Number KC-04 for the quality characteristics and monitoring frequency as specified in Table 1 - Contaminant release limits to water.																						
W3	All determinations of the quality of contaminants released must be: a) made in accordance with methods prescribed in the latest edition of the department's Water Quality Sampling Manual; and b) carried out on samples that are representative of the discharge.																						
W4	Monitoring samples undertaken in accordance with Table 1 - Contaminant Release Limits to Water must be taken from the first 15mm of run off from the treatment plant yard.																						
W5	Vehicle Maintenance The maintenance and cleaning of vehicles and any other equipment must be carried out in areas where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.																						
W6	Sediment Trap All yard water must be collected and treated in a sediment trap prior to release to waters or a stormwater drainage system.																						

W7	The sediment trap is to be located at the lowest point inside the treatment plant yard and is to facilitate the collection of samples of the release.
W8	The outlet pipe from the sediment trap to stormwater must be fitted with a sample point to facilitate the collection of samples at the release.
W9	Sediment collected in the sediment trap must be removed whenever the volume of the trap is reduced by 40 percent, or on other occasions as required by the administering authority, such as where sediments are contaminated, or where a build-up of sediments has occurred or may occur around the outlet structure.
W10	The outlet from the sediment trap must be provided with a suitable baffle to at least 300 mm below the liquid surface as to control the carry over of scum and floating matter.
W11	Water Treatment Equipment Water inlet lines from a water source to the treatment plant must be fitted with a back flow preventer to prevent the siphoning back of preservative or contaminated water into the uncontaminated water supply.
W12	Vacuum pump exhausts must be fitted with a mist-eliminating trap capable of removing mist and returning all chemicals within the mist to the chemical make-up system.
W13	The operator must implement a tank filling procedure that includes as a minimum: a) Tanks must be dipped before filling to determine capacity remaining; b) Observation is required during filling to ensure overflow does not occur; and c) Emergency stop button is installed on pump to prevent overflow during filling.
W14	Where seal water is used in vacuum pumps it must be recirculated.
W15	All tanks and fittings within the treatment plant must be fabricated from materials compatible with stored timber preservation solutions.
W16	All mixing and storage tanks used for preservative concentrates or working strength solutions must be fitted with level indicators which are capable of providing the registered operator with an audible and/or visible warning that the maximum vessel capacity has been reached.
Agency Interest: Waste	
Condition number	Condition
WA1	Regulated wastes must not be disposed of on site or released to lands or released to waters.
WA2	Chemically treated materials, such as sawdust and timbers, must not be burnt or allowed to burn at the approved place or removed and burnt elsewhere.
WA3	Waste Storage And Handling All used timber preservative chemical containers must be triple rinsed and returned to the supplier or made unusable by holing and crushing before recycling or disposal.

WA4	Rinsing water from the washing of timber preservative chemical containers shall be used as process water.
WA5	Waste Oil Waste oil must not be disposed of on site, to lands or released to waters.
WA6	Records must be maintained for a period of at least five (5) years for all wastes mentioned in this schedule.
WA7	All transport of regulated waste generated in carrying out the environmentally relevant activities must be transported by a proper and appropriate licensed waste transporter that can lawfully transport such waste.
WA8	All disposal of regulated waste generated in carrying out the environmentally relevant activities must be to a proper and appropriate licensed waste disposal facility that can lawfully accept such waste or to a facility that can lawfully and appropriately reuse and/or recycle such waste, except as specifically provided for under the conditions of this approval.
WA9	Where regulated waste is removed from the approved place (other than by a release as permitted under another schedule of this approval), the registered operator must monitor and keep records of the following: a) the date, quantity and type of waste removed; and b) name of the waste transporter and/or disposal operator that removed the waste; and c) the intended treatment/disposal destination of the waste. NOTE: Records of documents maintained in compliance with a waste tracking system established under the EP Act or any other law for regulated waste will be deemed to satisfy this condition.
WA10	Notification of Improper Disposal Of Regulated Waste If the registered operator becomes aware that a person has removed regulated waste from the approved place and disposed of the regulated waste in a manner which is not authorised by this approval or is improper or unlawful, then the registered operator must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.
Approved Plans	
Drawing number	Title of Plan
KC-04	'CCA Timber Preservation Plant at 81 Supply Court'

Definitions

General Definitions

Administering authority means the Department of Environment and Science or its successor.

Act means the *Environmental Protection Act 1994*.

Authorised person means a person holding office as an authorised person under an appointment under this Act by the chief executive or chief executive officer of a local government.

CCA means mixtures containing copper, chromium and arsenic compounds formulated using salt- or oxide-based components.

Chemically treated material means any material containing or likely to contain chemicals used for the preservation of timber.

Drip free means that the timber solution has stopped dripping from the timber and that no further dripping occurs when the timber is moved, tilted, or exposed to heat or sunlight.

External water means stormwater derived from outside the treatment plant yard. This water is to be diverted around the treatment yard area.

Land means land excluding waters and the atmosphere.

Plant water means stormwater which falls on the treatment plant site. This water is to be collected in the sump and used in the timber preservation process.

Regulated waste means non-domestic waste mentioned in Schedule 7 of the Environmental Protection Regulation 2008 (whether or not it has been treated or immobilised) and includes:

- a) for an element - any chemical compound containing the element; and
- b) anything that has contained the regulated waste.

It includes CCA treated materials such as timber offcuts and sawdust.

This approval means the Environmental Authority EPPR00245013.

Treatment plant site means the area in which the chemical treatment of timber is carried out (including vessels, pumps, storage and mixing tanks, chemical handling area, loading and unloading work areas) and the drip pad where freshly treated timber is stored for a minimum of 48 hours.

Treatment plant yard means that part of the premises that is used for working and storage of treated timber stock.

Yard water means water that may become contaminated through landing on the treatment plant yard or contaminated roof areas.

Noise Definitions

Annoyance - In determining what constitutes "annoyance" regard must be had to Australian Standard 1055.2 - 1989 Acoustics - Description and Measurement of Environmental Noise Part 2 Application to specific situations.

Background noise level means either:

- a) $L_{A90, T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than 15 minutes, using Fast response, or

- b) $L_{A\text{ avg}, T}$ being the arithmetic average of the minimum readings measured in the absence of the noise under investigation during a representative time period of not less than 15 minutes, using Fast response.

Commercial place means a place used as an office or for business or commercial purposes.

$L_{A\text{ max adj}, T}$ means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 15 minutes, using Fast response.

LOSP means Light Organic Solvent Preservative. A process whereby timber is vacuum treated with hydrocarbons (primarily white spirit) and permethrin to protect from termite attack.

Nuisance sensitive place includes:

- a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- b) a motel, hotel or hostel; or
- c) a kindergarten, school, university or other educational institution; or
- d) a medical center or hospital; or
- e) a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
- f) a public thoroughfare, park or gardens; or
- g) a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Park or garden means a park or garden open to the public as of right whether by payment of a fee or otherwise.

Protected area means under the regulations:

- a) a protected area under the *Nature Conservation Act 1992*; or
- b) a marine park under the *Marine Parks Act 2004*; or
- c) a World Heritage Area.