



Department of
**Environment and
Heritage Protection**

To: JBS Australia Pty Ltd
C/- PO Box 299
CAROLE PARK QLD 4300

Email: Charissa.Tomlin@bssa.com.au

Attention: Ms Charissa Tomlin

Your reference: EPPR00944013
Our reference: PR 222633

Application details

I refer to the application that was received by the administering authority on 8 December 2016.

Land description: Lot 39 on Plan A342670 / Lot 2964 on Plan A341364.

Decision

Your application has been approved and your environmental authority (reference EPPR00944013) is attached.

Should you have any further enquiries, please contact Graham Rennex on telephone 1300 130 372.

Yours sincerely



Signature



Date

Chris Mooney
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enclosed

Permit - environmental authority (reference EPPR00944013)

Permit

Environmental Protection Act 1994

Environmental authority EPPR00944013

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

Environmental authority number: EPPR00944013 Environmental authority takes effect on the day the delegate signs it

The anniversary date of this environmental authority remains **4th March** every year. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder

Name	Principal address
JBS Australia Pty Ltd	62 McRoyle Street Wacol QLD 4076 / PO Box 299 Carole Park QLD 4300

Environmentally relevant activity and location details

Environmentally relevant activities	Location
15-Fuel burning >500kg hr 25-(2c) Meat processing >50000t yr inc rendering 8-(1) Chemical storage >50t class 1 or 2 63 (1b)(i) Sewage treatment >100 to 1500EP IT or IR	1514 Cockburn Road, Purrawanda QLD 4356 Lot 39 on Plan A342670 Lot 2964 on Plan A341364

Additional information for applicants

Environmentally relevant activities

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

An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority 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 land give written notice to the chief executive if they become aware of the following:

- a notifiable activity (as defined in Schedule 3) that is being, or has been, carried out on the land (notice must be given within 20 business days)
- an event involving a hazardous contaminant on the land, or a change in the condition of the contaminated land, that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours).

For further information, including the form for giving written notice, refer to the Queensland Government website <http://www.qld.gov.au/> (using the search term 'managing contaminated land').



Signature

Chris Mooney
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994



Date

Enquiries:
Graham Rennex
Heritage, Utilities and Government Organisations
Assessment
Department of Environment and Heritage
Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
Email: graham.rennex@ehp.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)

Conditions of environmental authority

Environmentally relevant activities	Location
15-Fuel burning >500kg hr 25-(2c) Meat processing >50000t yr inc rendering 8-(1) Chemical storage >50t class 1 or 2 63 (1b)(i) Sewage treatment >100 to 1500EP IT or IR	1514 Cockburn Road, Purrawanda QLD 4356 Lot 39 on Plan A342670 Lot 2964 on Plan A341364

The environmentally relevant activities conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

Agency interest: General	
Condition number	Condition
G1	All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused by the activities.
G2	Any breach of a condition of this environmental authority must be reported to the administering authority as soon as practicable within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions taken.
G3	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur .
G4	All records must be kept for a period of at least five years and provided to the administering authority upon request.
G5	An appropriately qualified person(s) must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
G6	All analyses required under this environmental authority must be carried out by a laboratory that has NATA certification, or an equivalent certification, for such analyses.
G7	When required by the administering authority , monitoring must be undertaken in the manner prescribed by the administering authority to investigate a complaint of environmental nuisance arising from the activity . The monitoring results must be provided within 10 business days to the administering authority upon its request.

G8	The activity must be undertaken in accordance with written procedures that: a) identify potential risks to the environment from the activity during routine operations and emergencies; and b) establish and maintain control measures that minimise the potential for environmental harm; and c) ensure plant, equipment and measures are maintained in a proper and effective condition; and d) ensure plant, equipment and measures are operated in a proper and effective manner; and e) ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i>; and f) ensure that reviews of environmental performance are undertaken at least annually.
G9	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system .
G10	A receiving environment monitoring program must be designed and implemented by appropriately qualified persons to monitor the effects of the activity on soil and subsoil, and groundwater.
G11	The receiving environment monitoring program required by condition G10, must include at least the following: a) A soil and subsoil assessment including types, structure, nutrient status, salinity and sodicity, cation exchange capacity and sodium absorption ratio (SAR) of the irrigation area, to be carried out at no less than six representative sites on an annual basis. b) Plant analysis to assess nutrient export is to be carried out on an annual basis. c) Groundwater monitoring (in accordance with the current edition of the administering authority's Monitoring and Sampling Manual) that determines the existence and rate of infiltration of effluent that has been irrigated to land, and potential or actual impacts on groundwater from such infiltration to be carried out on an annual basis at not less than three locations near treatment ponds and the irrigation area. This must include assessment of the following parameters: i. pH ii. electrical conductivity iii. total dissolved solids iv. ammonia v. total nitrogen vi. total phosphorus (as P) vii. faecal coliforms d) Reassessment, if necessary, of the irrigation of effluent to land to ensure sustainable use of the irrigation area. This must include modelling of the water balance and irrigation rate and return period.

Agency interest: Air																								
Condition number	Condition																							
A1	Odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place .																							
A2	The only type of fuel to be burned in industrial fuel burning equipment, except during light up, is natural gas in the source description of RP1, RP2, RP3 and RP4.																							
A3	Contaminants must only be released to air from the point source(s) in accordance with Table 1 and the associated requirements.																							
Table 1																								
<table><tr><th>RELEASE POINT NUMBER</th><th>SOURCE DESCRIPTION</th><th>MINIMUM RELEASE HEIGHT ABOVE GROUND LEVEL (metres)</th><th>MINIMUM EFFLUX VELOCITY (metres/second)</th></tr><tr><td>RP1</td><td>Erie Works Boiler</td><td>17</td><td>7</td></tr><tr><td>RP2</td><td>East Coast Steam Boiler</td><td>10</td><td>7</td></tr><tr><td>RP3</td><td>Cookhouse Exhaust</td><td>12</td><td>6</td></tr><tr><td>RP4</td><td>Blood Drier</td><td>12</td><td>11</td></tr></table>					RELEASE POINT NUMBER	SOURCE DESCRIPTION	MINIMUM RELEASE HEIGHT ABOVE GROUND LEVEL (metres)	MINIMUM EFFLUX VELOCITY (metres/second)	RP1	Erie Works Boiler	17	7	RP2	East Coast Steam Boiler	10	7	RP3	Cookhouse Exhaust	12	6	RP4	Blood Drier	12	11
RELEASE POINT NUMBER	SOURCE DESCRIPTION	MINIMUM RELEASE HEIGHT ABOVE GROUND LEVEL (metres)	MINIMUM EFFLUX VELOCITY (metres/second)																					
RP1	Erie Works Boiler	17	7																					
RP2	East Coast Steam Boiler	10	7																					
RP3	Cookhouse Exhaust	12	6																					
RP4	Blood Drier	12	11																					
Associated requirements																								
a) Contaminants released must be directed vertically upwards without any impedance or hindrance.																								
b) Samples must be representative of the release.																								
c) Air monitoring must be in accordance with the current edition of the administering authority's Air Quality Sampling Manual.																								
Agency interest: Water																								
Condition number	Condition																							
WT1	Contaminants must not be released to any waters .																							
Agency interest: Noise																								
Condition number	Condition																							
N1	Noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place .																							

Agency interest: Land

Condition number	Condition																																				
L1	Other than as permitted within this environmental authority, contaminants must not be released to land.																																				
L2	The only contaminants to be released to land are treated wastewater and collected stormwater in accordance with the <i>Table 2 – Treated effluent release limits to irrigation area</i> and the associated requirements. Table 2 - Treated effluent release limits to irrigation area <table><tr><th>QUALITY CHARACTERISTICS</th><th>UNITS</th><th>Sampling and in situ monitoring points</th><th>MONITORING FREQUENCY</th></tr><tr><td>pH</td><td>pH scale</td><td>W1</td><td>Quarterly</td></tr><tr><td>Total Nitrogen (as Nitrogen)</td><td>mg/L</td><td>W1</td><td>Quarterly</td></tr><tr><td>Total Phosphorus (as Phosphorus)</td><td>mg/L</td><td>W1</td><td>Quarterly</td></tr><tr><td>Faecal Coliforms</td><td>Cfu/100mL</td><td>W1</td><td>Quarterly</td></tr><tr><td>Sodium Adsorption Ratio</td><td>calculated</td><td>W1</td><td>Quarterly</td></tr><tr><td>Total Dissolved Salts (calculated)</td><td>mg/L</td><td>W1</td><td>Quarterly</td></tr><tr><td>Specific Conductance or electrical conductivity</td><td>µS/cm</td><td>W1</td><td>Quarterly</td></tr><tr><td>Exchangeable cations</td><td>mg/L</td><td>W1</td><td>Quarterly</td></tr></table> Associated Requirements a) <i>Monitoring must be undertaken at the frequency specified in Table 2.</i> b) <i>Water quality monitoring must be in accordance with the methods prescribed in the current edition of the administering authority's Monitoring and Sampling Manual 2009 V2.</i> c) <i>Samples must be representative of the release.</i> d) <i>W1 is defined as areas identified on site where irrigation may occur in a sustainable manner in accordance with condition L5 (the irrigation area).</i>	QUALITY CHARACTERISTICS	UNITS	Sampling and in situ monitoring points	MONITORING FREQUENCY	pH	pH scale	W1	Quarterly	Total Nitrogen (as Nitrogen)	mg/L	W1	Quarterly	Total Phosphorus (as Phosphorus)	mg/L	W1	Quarterly	Faecal Coliforms	Cfu/100mL	W1	Quarterly	Sodium Adsorption Ratio	calculated	W1	Quarterly	Total Dissolved Salts (calculated)	mg/L	W1	Quarterly	Specific Conductance or electrical conductivity	µS/cm	W1	Quarterly	Exchangeable cations	mg/L	W1	Quarterly
QUALITY CHARACTERISTICS	UNITS	Sampling and in situ monitoring points	MONITORING FREQUENCY																																		
pH	pH scale	W1	Quarterly																																		
Total Nitrogen (as Nitrogen)	mg/L	W1	Quarterly																																		
Total Phosphorus (as Phosphorus)	mg/L	W1	Quarterly																																		
Faecal Coliforms	Cfu/100mL	W1	Quarterly																																		
Sodium Adsorption Ratio	calculated	W1	Quarterly																																		
Total Dissolved Salts (calculated)	mg/L	W1	Quarterly																																		
Specific Conductance or electrical conductivity	µS/cm	W1	Quarterly																																		
Exchangeable cations	mg/L	W1	Quarterly																																		
L3	The controlled release of treated/settled stormwater must be conducted in a way and at a rate that does not cause: a) re-suspension of particles; or b) erosion of bed or banks of receiving waters; or c) landscape damage; or d) ponding of the water; or e) vegetation damage.																																				
L4	All ponds used for the storage or treatment of contaminants, sewage or wastes at or on the authorised place must be constructed, installed and maintained: a) so as to minimise the likelihood of any release of effluent through the bed or banks of the pond to any waters (including ground water); b) so that a freeboard of not less than 500mm for the Anaerobic Ponds are maintained at all times, except in emergencies; and c) so as to ensure the stability of the ponds' construction.																																				

L5	Treated effluent is permitted to be released to land provided that it is done in accordance with a written procedure that ensures: a) infiltration to groundwater and subsurface flows of contaminants to surface waters are prevented surface pondage and run-off of effluent is prevented; b) degradation of soil structure is minimised; c) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised d) spray drift or overspray do not carry beyond effluent disposal areas; e) effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and f) the crop on the disposal area is harvested and removed from the disposal area.
L6	When weather conditions or soil conditions preclude the release of effluent to land, effluent must be directed to wet weather storage or be lawfully removed from the site.
Agency interest: Waste	
Condition number	Condition
W1	Other than effluent released to land as permitted within this environmental authority, all waste generated in carrying out the activity must be reused, recycled or lawfully disposed of offsite.
W2	Incompatible wastes must not be mixed in the same container or waste storage area.
W3	Waste being treated must be lawfully treated to render it less hazardous and be fit for its intended use or disposal.

Definitions

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Heritage Protection or its successor or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Commercial place means 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.

Environmental nuisance as defined in Chapter 1 of the *Environmental Protection Act 1994*.

Incompatible waste means waste that may chemically react when:

- a) placed in proximity to other wastes; and/or
- b) mixed with other wastes.

Land does not include **waters**.

Measures has the broadest interpretation and includes:

- a) **Procedural measures** such as standard operating procedures for dredging operations, environmental risk assessment, management actions, departmental direction and competency expectations under relevant guidelines
- b) **Physical measures** such as plant, equipment, physical objects (such as bunding, containment systems etc.), ecosystem monitoring and bathymetric surveys.

NATA means National Association of Testing Authorities.

Records include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

Release of a contaminant into the environment means to:

- a) deposit, discharge, emit or disturb the contaminant
- b) cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- c) fail to prevent the contaminant from being deposited, discharged emitted or disturbed
- d) allow the contaminant to escape
- e) fail to prevent the contaminant from escaping.

Secondary containment system means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, groundwater, or surface waters.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

- 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 centre 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 park or garden; or

- g) for noise, a place defined as a sensitive receptor for the purposes of the *Environmental Protection (Noise) Policy 2008*.

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.

