

Permit

Environmental Protection Act 1994

Environmental authority EPPR00784813

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

Environmental authority number: EPPR00784813

Environmental authority takes effect on 18 June 2019

Environmental authority holder(s)

Name(s)	Registered address
OAKEY BEEF EXPORTS PTY LTD	NH FOODS AUSTRALIA PTY LTD LEVEL 8, 2 ELIZABETH PLAZA NORTH SYDNEY NSW 2060

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 5/AG4200
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 8/AG4200
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 2/SP195597
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 4/SP195597
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 13/RP36450
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 7/AG4200

Environmental authority

Environmentally relevant activity/activities	Location(s)
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Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 1/RP850984
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 1/SP195597
Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year	Lot 5/AG4200
Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year	Lot 8/AG4200
Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year	Lot 2/SP195597
Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year	Lot 4/SP195597
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Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year	Lot 1/SP195597
Prescribed ERA, ERA 15 - Fuel burning, Using fuel burning equipment that is capable of burning at least 500kg of fuel in an hour	Lot 5/AG4200
Prescribed ERA, ERA 15 - Fuel burning, Using fuel burning equipment that is capable of burning at least 500kg of fuel in an hour	Lot 8/AG4200
Prescribed ERA, ERA 15 - Fuel burning, Using fuel burning equipment that is capable of burning at least 500kg of fuel in an hour	Lot 2/SP195597
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Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-i) more than 100 but not more than 1500EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme	Lot 5/AG4200
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Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-i) more than 100 but not more than 1500EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme	Lot 2/SP195597
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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);

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

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- 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.

Christine Mooney
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

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

Date issued: 18 June 2019

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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.dnrm.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

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

Agency interest: General	
Condition number	Condition
G1	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.
G2	All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused by the activities .
G3	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G4	The activity must be undertaken in accordance with written procedures that: 1. Identify potential risks to the environment from the activity during routine operations and emergencies; and 2. Establish and maintain control measures that minimise the potential for environmental harm; and 3. Ensure plant, equipment and measures are maintained in a proper and effective condition; and 4. Ensure plant, equipment and measures are operated in a proper and effective manner; and 5. Ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i>; and 6. Ensure that reviews of environmental performance are undertaken at least annually.
G5	All records must be kept for a period of at least five years and provided to the administering authority upon request.
G6	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system .
G7	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (NATA) certification, or an equivalent certification, for such analyses. The only exception to this condition is for <i>in situ</i> monitoring of pH.
G8	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.
G9	A receiving environment monitoring program must be designed and implemented by an appropriately qualified person(s) to monitor the effects of the activity on land and groundwater .

G10	The receiving environment monitoring program required by condition G9, must include at least the following: Soil survey A soil survey is required to ensure that the capacity of the land to assimilate nitrogen, phosphorus, salts and organic matter is not exceeded. The survey needs to include: 1. Soil and sub-soil analysis, including assessment of the soils from representative locations, including type, structure, pH, phosphorus adsorption level and capacity, nutrient status, salinity and sodicity, and cation exchange capacity of the irrigation release areas; and 2. Determination of the quantity and quality of contaminants applied to the soils from the recycled water irrigation; and 3. Reporting of monitoring results and an assessment of the impact of the releases on the irrigation areas; and 4. Ongoing assessment of water, nutrient and salt balances and irrigation rate and return period to ensure sustainable use of the irrigation area. Groundwater monitoring The monitoring should: 1. Be able to determine the impacts of the licensed activity on the groundwater quality in the underlying aquifer; and 2. Include, but not be limited to, a sufficient number of bores (minimum of three) installed at locations and depths which yield representative groundwater samples from at least the upper-most aquifer so as to: a) establish the quality of groundwater that has not been affected by seepage or drainage of contaminants to groundwater from the activity; and b) detect any seepage of contaminants to groundwater from the licensed place; and 3. Include monitoring of background groundwater quality, hydraulically up-gradient of any release of contaminants to groundwater; and 4. Include monitoring of downstream groundwater quality, hydraulically down gradient of all storage ponds, sewage treatment plant and irrigation areas; 5. Include the following groundwater parameters for monitoring: a) Standing water level b) pH c) Electrical conductivity d) Chloride e) Total dissolved solids f) Sodium absorption ratio g) Total nitrogen h) Nitrate i) Total phosphorus j) Total coliforms k) E. coli 6. Six monthly monitoring of the quality of groundwater to detect any possible release(s) of contaminants; and 7. Consider the potential use of groundwater in the vicinity off-site by other parties.
G11	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 20 business days to the administering authority upon its request.
G12	All reasonable and practicable measures must be taken to exclude vectors and pest species to the extent necessary to prevent: 1. Environmental nuisance to occupiers of neighbouring premises 2. Any danger or risk to the health of any persons.

G13	You must record the following details of all environmental complaints received: 1. Date and time the complaint was received 2. Name and contact details of the complainant when provided and authorised by the complainant 3. Nature of the complaint 4. Investigation undertaken 5. Conclusions formed 6. Actions taken.
Agency interest: Air	
Condition number	Condition
A1	Other than as permitted within this environmental authority, odours or airborne contaminants must not cause environmental nuisance at a sensitive place or commercial place .
A2	Dust and particulate matter emissions must not exceed the following concentrations at any sensitive place or commercial place: 1. Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 (or more recent editions), or 2. A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM₁₀) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, when monitored in accordance with Australian Standard AS 3580.9.6 (or more recent editions) or any other method approved by the administering authority.

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Contaminants must only be released to air from the point sources in accordance with *Table 1– Point source air release limits* and the associated requirements.

Table 1– Point source air release limits

Authorised release point		Contaminant	Maximum Release Limit	Minimum release height (m)	Minimum velocity (m/sec)
Number	Description				
A1	Stack – Coal-fired boiler	Solid Particles	250 ² mg/Nm ³	30m above the boiler house floor	8 ¹
A2	Stack – Gas-fired boiler	Oxides of Nitrogen (NOx)	350 ³ mg/Nm ³	6m above the highest point	5 ¹
A3	Stack – Gel Bone Plant	All	n/a	12m above ground level	15
A4	Stack - Digester	All	n/a	12m above ground level	15

Associated requirements

1. Efflux velocity of emissions from A1 and A2 is measured when the plant is operating at its maximum capacity.
2. Effluent gas calculation for solid particles concentration is corrected to 12% by volume of carbon dioxide.
3. Calculation of NOx concentration is at 7% oxygen reference level.

A4	Monitoring of contaminant releases to air must be undertaken in accordance with <i>Table 2 - Monitoring frequency</i> and the associated monitoring requirements and records of the results must be kept. Table 2 - Monitoring frequency <table><tr><th>Determination Required</th><th>Release Point</th><th>Minimum frequency</th></tr><tr><td>Solid Particles</td><td>A1 Stack – Coal-fired boiler</td><td>Annually</td></tr><tr><td>Odour emission rate (OUV/s)</td><td>A3 Stack – Gel Bone Plant</td><td>Annually</td></tr><tr><td>Odour emission rate (OUV/s)</td><td>Rendering Plants</td><td>Annually</td></tr><tr><td>Odour emission rate flux(OUV/s)</td><td>Biofilter</td><td>Annually</td></tr></table> Associated Requirements 1. For release point A1, a continuous smoke recording apparatus is to be in operation for the coal-fired flue gas in the chimney. 2. Monitoring must comply with the Australian Standard AS 4323.1 Stationary Source Emissions – Selection of Sampling Positions. 3. For the required determinations the following tests must be performed: a) gas velocity and volume flow rate; b) temperature; c) water vapour concentration (for non-continuous sampling); d) where practicable samples taken must be representative of the contaminants discharged when emissions are expected to be normal, except for specific purpose samples to be taken during periods of upset conditions, commissioning, start-up and shut-down; e) during the sampling period the following additional information must be gathered: - production rate; and - plant status	Determination Required	Release Point	Minimum frequency	Solid Particles	A1 Stack – Coal-fired boiler	Annually	Odour emission rate (OUV/s)	A3 Stack – Gel Bone Plant	Annually	Odour emission rate (OUV/s)	Rendering Plants	Annually	Odour emission rate flux(OUV/s)	Biofilter	Annually
Determination Required	Release Point	Minimum frequency														
Solid Particles	A1 Stack – Coal-fired boiler	Annually														
Odour emission rate (OUV/s)	A3 Stack – Gel Bone Plant	Annually														
Odour emission rate (OUV/s)	Rendering Plants	Annually														
Odour emission rate flux(OUV/s)	Biofilter	Annually														
Agency interest: Water																
Condition number	Condition															
WT1	Other than as permitted within this environmental authority, contaminants must not be released to any waters .															
WT2	The stormwater runoff from disturbed areas , generated by a storm event up to and including a 24-hour storm event with an average recurrence interval of 1 in 100 years must be retained on site or managed to remove contaminants before released offsite.															
Agency interest: Land																
Condition number	Condition															
L1	The only contaminants to be released to land, in addition to mature compost, are treated effluent in accordance with <i>Table 3 - Treated effluent release limits to irrigation area</i> and the associated															

	requirements. Table 3 - Treated effluent release limits to irrigation area <table><tr><th>Quality Characteristic (units)</th><th>Minimum</th><th>80th Percentile</th><th>Maximum</th></tr><tr><td>BOD5 (mg/L)</td><td>-</td><td>-</td><td>100</td></tr><tr><td>Suspended Solids (mg/L)</td><td>-</td><td>100</td><td>-</td></tr><tr><td>pH (pH units)</td><td>6.5</td><td>-</td><td>8.5</td></tr><tr><td>Oil and grease</td><td>-</td><td>-</td><td>10</td></tr></table> Associated requirements 1. The irrigation areas must be in accordance with Appendix 1: Irrigation Layout. 2. Monitoring must be in accordance with the administering authority's Water Quality Sampling Manual and all monitoring devices must be effectively calibrated and maintained. 3. Samples must be taken from the irrigation pump well (wet weather pond). 4. Releases of treated effluent must not be outside of the areas indicated at Appendix 1. 5. Monitoring must be undertaken when treated effluent is being irrigated, unless irrigation has ceased for longer than the relevant parameters specified minimum frequency. 6. Volume of release must be determined or estimated by an appropriate method, for example, a flow meter, and records kept of such determinations and estimates.	Quality Characteristic (units)	Minimum	80 th Percentile	Maximum	BOD5 (mg/L)	-	-	100	Suspended Solids (mg/L)	-	100	-	pH (pH units)	6.5	-	8.5	Oil and grease	-	-	10
Quality Characteristic (units)	Minimum	80 th Percentile	Maximum																		
BOD5 (mg/L)	-	-	100																		
Suspended Solids (mg/L)	-	100	-																		
pH (pH units)	6.5	-	8.5																		
Oil and grease	-	-	10																		
L2	Notwithstanding the quality characteristic limits specified in <i>Table 3 - Treated effluent release limits to irrigation area</i> the contaminants released must not have any properties nor contain any organisms or contaminants in concentrations that are capable of causing environmental harm.																				
L3	Treated effluent released to land must be done in accordance with documentation that ensures: 1. Drainage to groundwater and subsurface flows of contaminants to surface waters are minimised; and 2. Surface pondage and run-off of effluent is prevented; and 3. Degradation of soil structure is minimised; and 4. Soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; and 5. Spray drift or overspray does not carry beyond effluent disposal areas; and 6. Effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and 7. Vegetation is not damaged; and 8. Sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.																				
L4	When weather conditions or soil conditions preclude the release of treated sewage effluent to land, effluent must not be irrigated to land.																				
L5	Treated effluent may be removed from the site and used for irrigation purposes for cropping or other agricultural purposes, with the written consent of any third party involved.																				

L6	An area which provides an impervious barrier to subsoil and groundwater must be used for: 1. Receiving, mixing and storing processing materials for the composting activity 2. Collecting and storing leachate .																																						
L7	Matured compost may be applied to the irrigation areas indicated at Appendix 1.																																						
Agency interest: Noise																																							
Condition number	Condition																																						
N1	Other than as permitted within this environmental authority, noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place .																																						
N2	Noise from the activity must not include substantial low frequency noise components and must not exceed the levels identified in <i>Table 4 – Noise limits</i> and the associated requirements at any nuisance sensitive place or commercial place. Table 4 – Noise limits <table><tr><td rowspan="3">Noise level measured in dB(A)</td><td colspan="3">Monday to Saturday</td><td colspan="3">Sunday and Public Holidays</td></tr><tr><td>7am–6pm</td><td>6pm–10pm</td><td>10pm–7am</td><td>9am–6pm</td><td>6pm–10pm</td><td>10pm–9am</td></tr><tr><td colspan="6">Noise measured at the nearest sensitive place</td></tr><tr><td>L_{A10}, adj, 15 min</td><td>45</td><td>45</td><td>40</td><td>45</td><td>45</td><td>40</td></tr><tr><td>L_{A1}, adj, 15 min</td><td>50</td><td>50</td><td>45</td><td>50</td><td>50</td><td>45</td></tr></table> Associated requirements - All monitoring devices must be correctly calibrated and maintained. - The method of measurement and reporting of noise levels must comply with the latest addition of the administering authority's Noise Measurement Manual. - Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.						Noise level measured in dB(A)	Monday to Saturday			Sunday and Public Holidays			7am–6pm	6pm–10pm	10pm–7am	9am–6pm	6pm–10pm	10pm–9am	Noise measured at the nearest sensitive place						L _{A10} , adj, 15 min	45	45	40	45	45	40	L _{A1} , adj, 15 min	50	50	45	50	50	45
Noise level measured in dB(A)	Monday to Saturday			Sunday and Public Holidays																																			
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L _{A10} , adj, 15 min	45	45	40	45	45	40																																	
L _{A1} , adj, 15 min	50	50	45	50	50	45																																	
Agency interest: Waste																																							
Condition number	Condition																																						
WS1	All waste generated in carrying out the activity must be reused, recycled or removed to a facility that can lawfully accept the waste.																																						
WS2	Only the following materials are permitted at the composting facility: - Screened paunch material - Screened yard wash-down manure - Boiler ash generated at the abattoir Note: other materials, for example green waste, solid waste from a treatment system, may be composted providing the administering authority has agreed to that material being used.																																						

WS3

All products derived from composting activities must not exceed the quality characteristics listed in *Table 5 – Quality characteristics limits* and *Table 6 – Quality characteristics limits for off-site unrestricted use*.

Table 5 - Quality characteristics limits

Quality Characteristic	Limit
Enteric viruses	< PFU per 4 grams total solids
Helminth ova (<i>Ascaris</i> sp. and <i>Taenia</i> sp.)	<1 per 4 grams total solids
<i>E. coli</i>	<100 MNP /gram
Faecal coliforms	<1000 MNP /gram
<i>Salmonella</i> sp.	Not detected/50 grams of final product

Table 6 - Quality characteristics limits for OFF-SITE unrestricted use

Quality Characteristic	Limit (mg/kg) ¹
Arsenic	20
Cadmium	3
Chromium (total)	100
Copper	100
Lead	150
Mercury	1
Nickel	60
Selenium	5
Zinc	200
DDT/DDD/DDE	0.5
Aldrin	0.02
Dieldrin	0.02
Chlordane	0.02
Heptachlor	0.02
HCB	0.02
Lindane	0.02
BHC	0.02
PCB	0.3

Note 1

Mg/kg values are expressed on a dry weight basis

Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should note that 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.

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 successors or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills and experience relevant to the EA requirement and can give authoritative assessment, advice and analysis in relation to the EA requirement using the relevant protocols, standards, methods or literature.

BOD5 means the 5-day biochemical oxygen demand determined using standard tests (e.g. those used by **NATA** laboratories). This test is not inhibited for nitrification, otherwise would be referred to as “carbonaceous” BOD.

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*.

Groundwater means water that occurs naturally in, or is introduced artificially into, an aquifer.

L_{A10 adj, 15 min} means the adjusted A weighted sound pressure level (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 15 minute measurement period, using fast response.

L_{A1 adj, 15 min} means the adjusted A weighted sound pressure level (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 15 minute measurement period, using fast response.

Land does not include **waters**.

Leachate means a liquid that has passed through or emerged from, or is likely to have passed through or emerged from, a material stored, processed or disposed of at the site that contains soluble, suspended or miscible contaminants likely to have been derived from the said material.

Measures have the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

NATA means National Association of Testing Authorities.

PFU means plaque-forming unit.

Receiving environment monitoring program means a monitoring program designed to monitor and assess the potential impacts of controlled and/or uncontrolled releases of contaminants to the environment from the **activity**.

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

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:

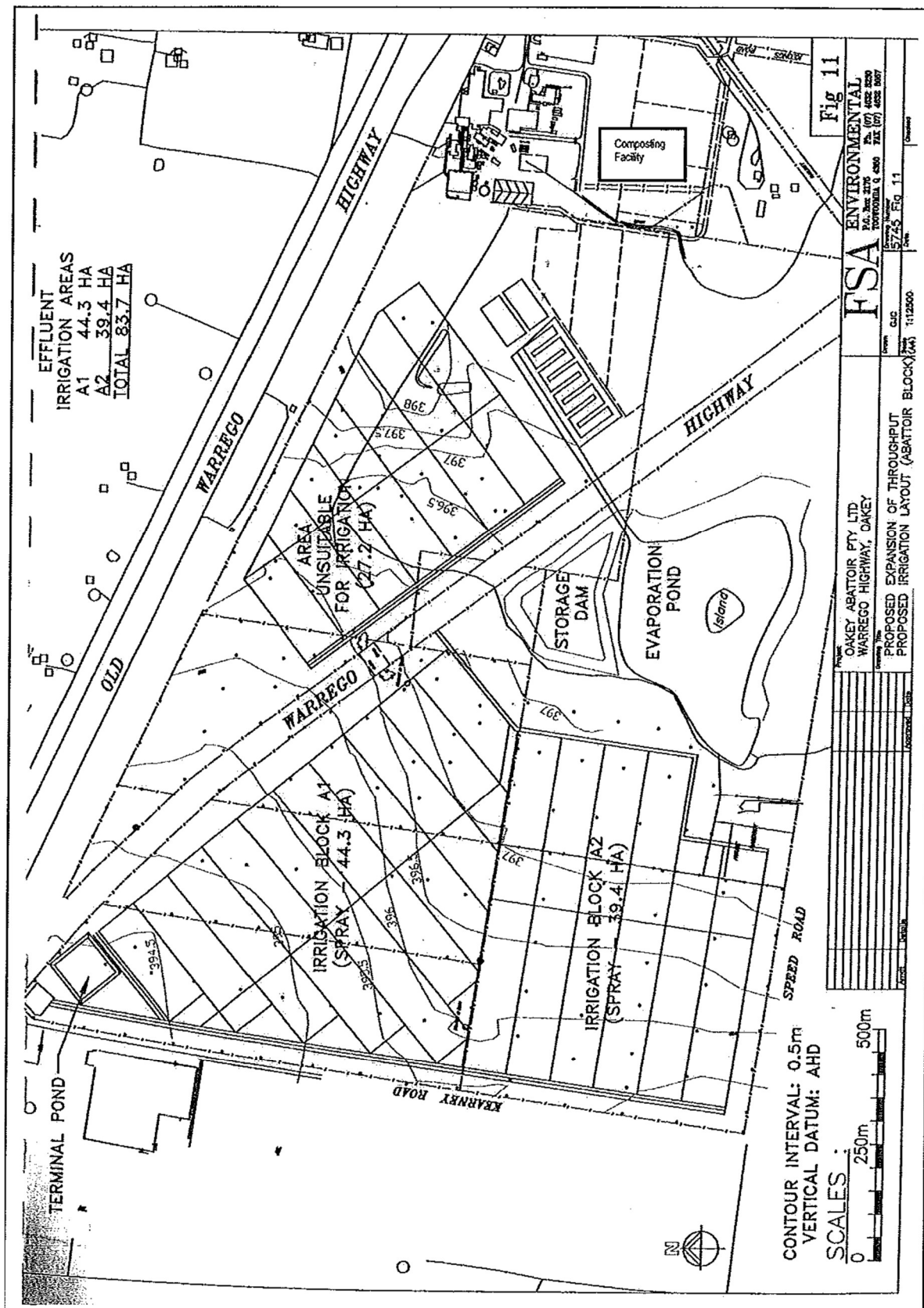
1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or

5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
6. a public park or garden; or
7. 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.

You means the holder of the environmental authority.

Appendix 1 – Irrigation Layout



END OF PERMIT