Permit

Environmental Protection Act 1994

Environmental authority EPPR00188913

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

Environmental authority number: EPPR00188913

Environmental authority takes effect on 18 April 2018

Environmental authority holder(s)

Name(s)	Registered address
NORGANIC PROTEINS PTY LTD	6010 Olympic Dr HOPE ISLAND QLD 4212 Australia

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 25 - Meat Processing, 3: Rendering, without any other processing, in a year, the following quantity of meat or meat products, (b) more than 500t	Lot 2/RP208083

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’.

Department of Environment and Heritage Protection
www.ehp.qld.gov.au ABN 46 640 294 485

Queensland Government

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.

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

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

Date issued: 19 April 2018

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)

Legislative Requirements and Conditions of Environmental Authority

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.

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 Heritage Protection to ensure that you have the most current version of the environmental authority relating to this site.

Condition number	Condition
Agency interest: General	
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	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 Environmental Protection Act 1994; and f) ensure that reviews of environmental performance are undertaken at least annually.
G4	All **records** must be kept for a period of at least five years and provided to the **administering authority** upon request.
G5	Chemicals and fuels in containers of greater than 15 litres must be stored within a **secondary containment system**.
G6	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.
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	**You** must record the following details for all environmental **complaints** received:

<table>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td></td><td>a) date and time complaint was received
b) name and contact details of the complainant
c) nature of the complaint
d) investigations undertaken
e) conclusions formed
f) actions taken.</td></tr>
<tr><td>G9</td><td>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.</td></tr>
<tr><td>G10</td><td>Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.</td></tr>
<tr><td colspan="2">Agency interest: Air</td></tr>
<tr><td>A1</td><td>Odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place.</td></tr>
<tr><td>A2</td><td>Contaminants must be released to the atmosphere from a release point in accordance with Table 1 - Release point height and velocity and the associated requirements.
Table 1 - release point height and velocity
<table>
<tr><th>RELEASE POINT NUMBER</th><th>SOURCE DESCRIPTION</th><th>MINIMUM RELEASE HEIGHT (metres above ground level)</th><th>MINIMUM* EFFLUX VELOCITY (metres/second)</th></tr>
<tr><td>RP1</td><td>1X 600 hp General Electric Coal-fired Tube Boiler as described in Figure 1: Site Location and Layout with Release Point from Boiler, dated February 2001" in Schedule 1 and indicated in the application for Development Approval dated 15 June 2001.</td><td>18.5</td><td>15</td></tr>
<tr><td>RP2</td><td>1x 400 hp Powermaster model 3H oil fuelled boiler</td><td>10.0</td><td>10</td></tr>
</table>
*Excluding a period of not more than 30 minutes after start up and prior to shutdown.</td></tr>
</table>

<table>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>A3</td><td>Contaminants must only be released to air from the point source(s) in accordance with Table 2 - Point source air release limits and the associated requirements.

Table 2 - Point source air release limits and the associated requirements
<table>
<tr><th>CONTAMINANT</th><th>LIMIT TYPE</th><th>RELEASE POINT NUMBER/ RELEASE POINT LIMIT</th></tr>
<tr><td rowspan="2">Particulates (Adjusted to 12% $C0_2$)</td><td>Concentration (g/Nm^3)</td><td>RP 1 and RP 2 - 0.25</td></tr>
<tr><td>Mass emission rate (g/min)</td><td>RP 1 and RP 2 - 36</td></tr>
<tr><td rowspan="2">Sulphur Trioxide ($S0_3$)</td><td>Concentration (g/Nm^3)</td><td>RP 1 0.20</td></tr>
<tr><td>Mass emission rate (g/min)</td><td>RP 1 29</td></tr>
<tr><td rowspan="2">Nitric Oxide and Nitrogen Dioxide expressed as ($N0_2$)</td><td>Concentration (g/Nm^3)</td><td>RP 1 0.5</td></tr>
<tr><td>Mass emission rate (g/min)</td><td>RP 1 72</td></tr>
</table></td></tr>
</table>

A4

The holder of this environmental authority must conduct a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameters specified in *Table 3 - Required release point determinations* and which complies with the following:

a) All determinations must be performed by a person or body possessing appropriate experience and qualifications to perform the required determinations.
b) Monitoring provisions for the release points listed in Table 3 must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions
c) The following tests must be performed for each required determination specified in Table 3:
   i. gas velocity and volume flow rate
   ii. temperature
   iii. water vapour concentration
d) where practicable samples taken must be representative of the contaminants discharged when emissions are expected to be at a maximum level.
e) during the sampling period, the following additional information must be gathered,
   i. Rate of production on site (processing lines in operation);
   ii. Boiler firing status and steam demand;
   iii. Sulphur content of fuel.

Table 3 - Required Release Point Determinations

RELEASE POINT NUMBERS	DETERMINATION REQUIRED	FREQUENCY
RP1	Concentration and mass emission rates for Total Suspended Particulates; Sulphur Trioxide ($S0_3$); Nitric Oxide and Nitrogen Dioxide ($N0_2$).	Annually
RP2	Concentration and mass emission rates for Total Suspended Particulates	Annually, if back-up boiler is in operation for more than 14 consecutive days in any one year.
RP2	Concentration of total of antimony, arsenic, cadmium, lead, mercury and vanadium and their respective compounds.	Annually, if back-up boiler is in operation for more than 14 consecutive days in any one year.

Agency interest: Water

WT1	Contaminants must not be released to any **waters**.
WT2	Contaminants must not be released to **groundwater** or at a location where they are likely to release to **groundwater**.
WT3	All wastewaters generated from the rendering plant and any equipment washdown must only be: i. released to the wastewater treatment system and effluent treatment ponds at the licensed place; or ii. treated and reused for industrial plant washdown; or iii. released to sewer with the approval of the relevant Local Government authority in accordance with a trade waste permit; or

	iv. released to a recycling, reprocessing or treatment facility that can lawfully accept such wastes.
WT4	The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality characteristics of contaminants released into the aerobic pond 1 and the monitoring frequency specified in *Table 4 - Sampling point quality characteristic and monitoring frequency.*

Table 4 - Sampling point quality characteristic and monitoring frequency

SAMPLE POINT NUMBER	QUALITY CHARACTERISTIC	MONITORING FREQUENCY
W2a and W2b	Biological Oxygen Demand (mg/L)	quarterly during maximum production
W2a and W2b	Chemical Oxygen Demand (mg/L)	quarterly during maximum production
W2a and W2b	Suspended Solids (mg/L)	quarterly during maximum production
W2a and W2b	pH (Units)	quarterly during maximum production
W2a and W2b	Temperature (°C)	quarterly during maximum production
W2a and W2b	Volatile Fatty Acids to alkalinity ratio	quarterly during maximum production

WT5	The determinations of the quality characteristics of contaminants referred to in condition WT4 must be undertaken at the monitoring and in situ measurement point(s) described as: **Sampling points W2a and W2b:** Waste water stream after the anaerobic pond and prior to inflow to an aerobic pond.
WT6	The determinations of the quality of contaminants in the aerobic treatment pond must be undertaken at the monitoring and in-situ measurement point(s) described as: **Sampling point W3:** Prior to discharge exit point in first aerobic pond, within 1 metre from the edge of the pond. **Sampling point W4:** Prior to discharge exit point in second aerobic treatment pond, within 1 metre from the edge of the pond. **Sampling point W5:** Third aerobic treatment pond within 1 metre from the edge of the pond.
WT7	The contaminant/s contained in the aerobic ponds must comply at the sampling and in-situ monitoring point/s specified in condition WT6 with each of the limits specified in *Table 5- Quality characteristics for monitoring points W3, W4 and W5.*

Table 5 - Quality characteristics for monitoring points W3, W4 and W5

QUALITY CHARACTERISTICS	LIMIT	LIMIT TYPE
Dissolved Oxygen (mg/L)	2.0	minimum
pH	6.5-8.5	range

WT8	The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the contaminants in the aerobic treatment ponds

for the quality characteristics and at the frequency specified in *Table 6- Monitoring frequency of characteristics for monitoring points W3, W4 and W5.*

Table 6 - Monitoring frequency of characteristics for monitoring points W3, W4 and W5

SAMPLE POINT NUMBER	QUALITY CHARACTERISTIC	FREQUENCY
W3, W4, W5	pH	weekly
W3, W4, W5	Dissolved Oxygen (mg/L)	weekly

WT9	For the purposes of determining compliance with the quality characteristic limit for dissolved oxygen in *Table 5 - Quality characteristics for monitoring points W3, W4 and W5* monitoring and recording of dissolved oxygen must be carried out for at least three sampling points within each of the aerobic treatment ponds, at representative locations within the aerobic treatment ponds, weekly.
WT10	All determinations of the quality of contaminants must be made in accordance with methods prescribed in the Queensland Government Environmental Protection Agency Water Quality Sampling Manual, 3rd Edition, December 1999, or more recent additions or supplements to that document as such become available.
WT11	All determinations of the quality of contaminants must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
WT12	Ponds used for the storage or treatment of aqueous waste must be constructed, installed and maintained to: • prevent any release of aqueous waste from the ponds • ensure the stability of the pond structure.
Agency interest: Noise	
N1	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 *Table 6 - Noise limits* and the associated requirements at any nuisance **sensitive place** or **commercial place**.

Table 6 - Noise limits

Noise level at a noise Sensitive Place measured as the adjusted maximum sound pressure level $L_{Amax\ adj,\ T}$	**Period**
Background noise level plus 5dB(a)	7am - 6pm
Background noise level plus 5dB(a)	6pm - 10pm
Background noise level plus 3dB(a)	10pm - 7am
Noise limits at a Commercial Place measured as the adjusted maximum sound pressure level $L_{Amax\ adj,\ T}$	**Period**
Background noise level plus 10dB(A)	7am -6pm
Background noise level plus 10dB(a)	6pm - 10pm
Background noise level plus 8dB(a)	10pm - 7am

	Associated monitoring requirements 1. Any monitoring must be in accordance with the most recent version of the administering authority's *Noise Measurement Manual.* 2. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.
Agency interest: Land	
L1	Contaminants must not be released to **land**.
L2	Land identified in "Figure 2: Emergency Release Area Map 1" in Schedule 1 can only be used for irrigation of wastewater where discharge to sewer is not possible and authorisation to irrigate has been granted by the **administering authority**.
Agency interest: Waste	
W1	All waste generated in carrying out the **activity** must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.
W2	The only wastes that may be accepted and/or treated and/or stored at the place to which this environmental authority relates for rendering are: i. animal by-products; and/or ii. fish processing waste; and/or iii. food processing waste; and/or iv. grease interceptor trap solids and residues; and/or v. macerated eggs; and/or vi. poultry processing wastes; and/or vii. tallow; and/or viii. tannery fleshings.

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 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.

Background means noise, measured in the absence of the noise under investigation, as L A90,T being the A-weighted sound pressure level exceeded for 90% of the time period of not less than 15 minutes, using Fast response.

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.*

General waste means waste other than regulated waste.

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

$L_{Aeq\ adj,T}$ means the adjusted A weighted equivalent continuous sound pressure level measures on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the **activity** is causing a steady state noise, and no shorter than one hour when the approved **activity** is causing an intermittent noise.

Land does not include **waters**.

$Max_{LpA,T}$ means the maximum A-weighted sound pressure level measured over a time period T of not less than 15 minutes, using Fast response.

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

NATA means National Association of Testing Authorities.

Prescribed water contaminants means contaminants listed within Schedule 9 of the Environmental Protection Regulation 2008.

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.

Schedules

Schedule 1 – Approved plans

Figure 1: Site Location and Layout with Release Point from Boiler

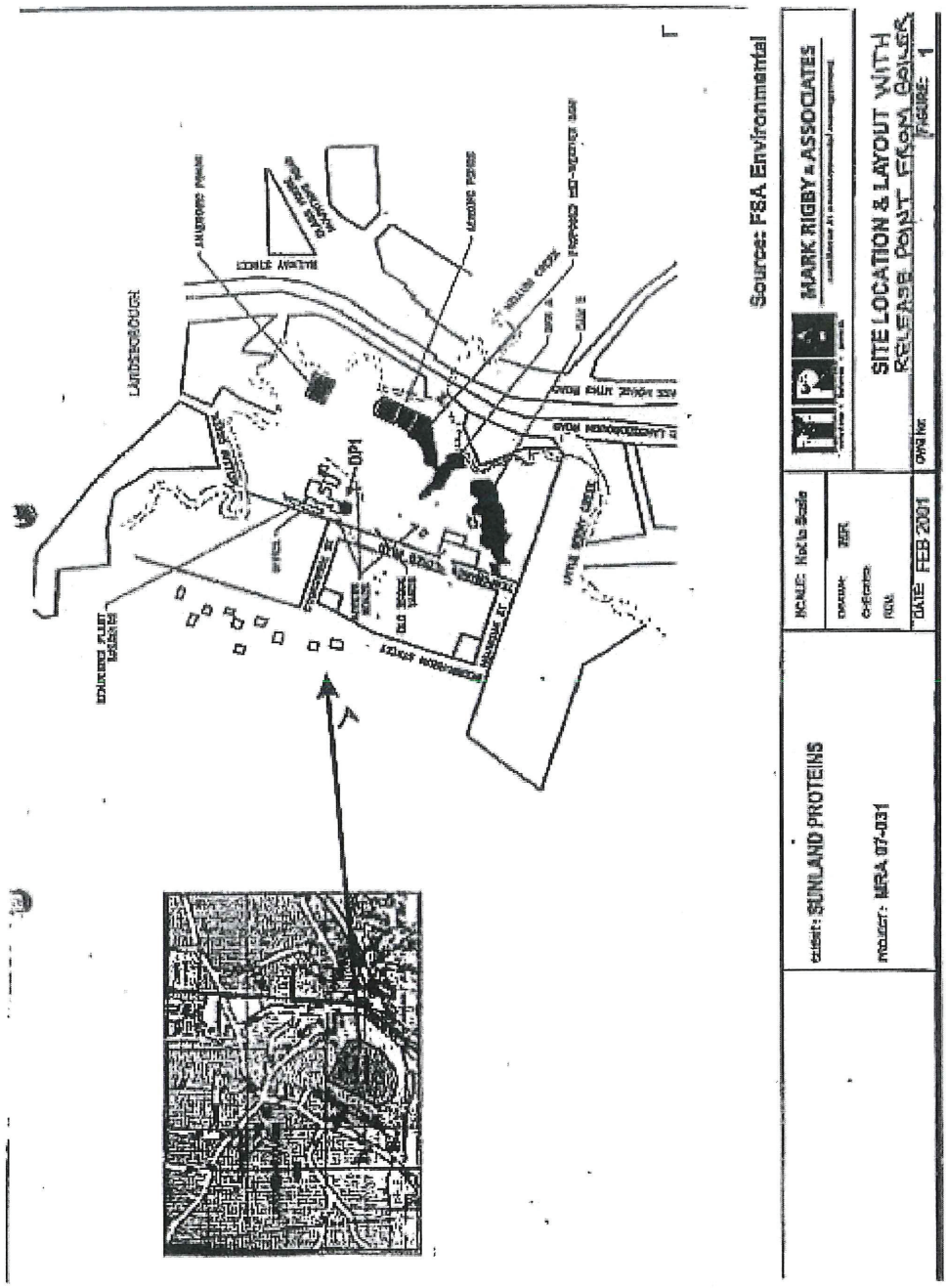
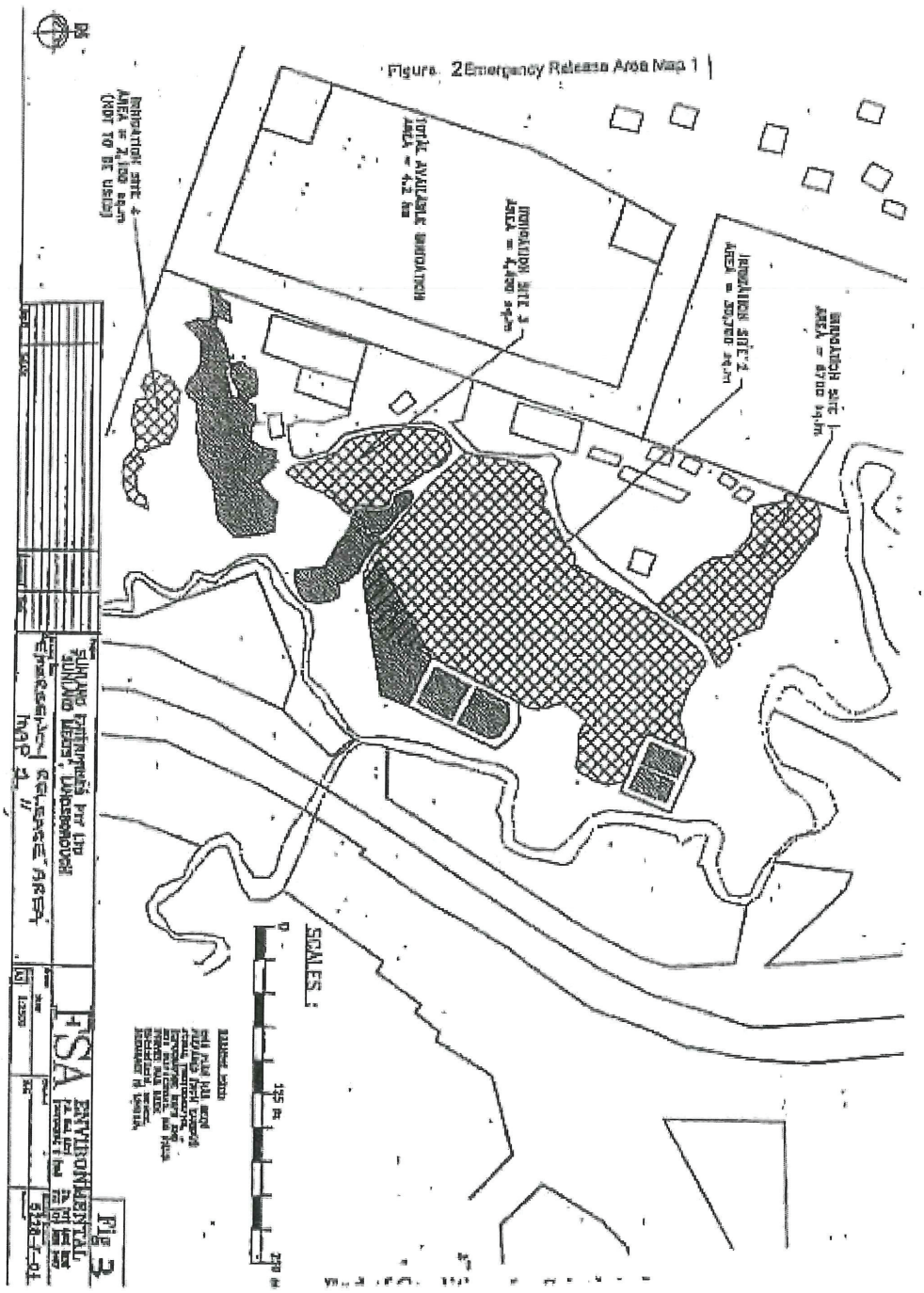


Figure 2: Emergency Release Area Map 1



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