Permit

Environmental Protection Act 1994

Environmental authority EPPR00727713

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

Environmental authority number: EPPR00727713

Environmental authority takes effect on 27-11-2019

Environmental authority holder

Name	Registered address
Incitec Pivot Limited	Level 8 28 Freshwater Place SOUTHBANK VIC 3006

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Locations
ERA 07 – Chemical Manufacturing 4: Manufacturing, in a year, the following quantities of fertiliser (b) more than 5000t	Cnr Hubert and Archer Streets, SOUTH TOWNSVILLE QLD 4810 Part of Lot 577 on Plan SP251252 (also known by the Port of Townsville as Lease Lot W on Plan EP2377, Lease Lot X on Plan CP911657 and Lease Lot AQ on Plan SP164766).
ERA 50 – Mineral and bulk material handling 2: Loading and unloading 100t or more of bulk materials in a day or stockpiling bulk materials ERA 8 – Chemical storage	Benwell Road, SOUTH TOWNSVILLE QLD 4810 Part Lot 791 on Plan EP2348 (also known by the Port of Townsville as Lease Lot WMA on Plan SP126594, Lease Lot WMB on Plan SP126594, Lease Lot WMC on Plan SP126594, Lease Lot QRA on Plan SP126594, Lease Lot QRB on Plan SP126594, Lease Lot L on Plan IS151667, Lease Lot P on Plan IS151667, Lease Lot M on Plan IS151667, Lease Lot Q on Plan IS151667, Lease Lot T on Plan IS151665, Lease Lot S on Plan IS151666) Part Lot 594 on Plan EP1758

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Environmentally relevant activity/activities	Locations
	Part Lot 577 on Plan SP251252 Part Lot 430 Plan EP1068 Part Lot 621 on Plan SP157595

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

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

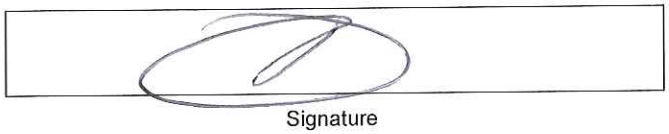
c) otherwise-on the day the authority is issued.

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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.



Signature

27 November 2019

Date

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

Enquiries:
Extraction, Energy and Chemical Industries Assessment
Department of Environment and Science

Phone: 1300 130 372
Email: palm@des.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

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

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

Conditions of environmental authority

PART 1 – Common Conditions for all sites

Environmentally relevant activities	Locations
ERA 07 – Chemical Manufacturing 4: Manufacturing, in a year, the following quantities of fertiliser (b) more than 5000t	Cnr Hubert and Archer Streets, SOUTH TOWNSVILLE QLD 4810 Part of Lot 577 on Plan SP251252 (also known by the Port of Townsville as Lease Lot W on Plan EP2377, Lease Lot X on Plan CP911657 and Lease Lot AQ on Plan SP164766).
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The environmentally relevant activities conducted at the locations as described above must be conducted in accordance with the following conditions.

Agency interest: General	
Condition number	**Condition**
P1-G1	All reasonable and practicable **measures** must be taken to prevent or minimise environmental harm caused by the **activities**.
P1-G2	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

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	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.
P1-G3	Chemicals and fuels in containers of greater than 15 litres must be stored within a **secondary containment system.**
P1-G4	All **records** must be kept for a period of at least five years and provided to the **administering authority** upon request.
P1-G5	All waste generated in carrying out the **activity** must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.
P1-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.
P1-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 15 business days to the **administering authority** upon its request.
P1-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.
P1-G9	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.

Agency interest: Air

Condition number	Condition
P1-A1	Other than as permitted within this **environmental authority**, odours or airborne contaminants must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.

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Agency interest: Noise	
Condition number	**Condition**
P1-N1	Noise from the approved activities must not cause an **environmental nuisance** at any nuisance **sensitive place** or **commercial place**.
Agency interest: Land	
Condition number	**Condition number**
P1-L1	Contaminants must not be released to **land.**

PART 2 – Site Specific Conditions for all sites listed below

Environmentally relevant activities	Locations
ERA 07 – Chemical Manufacturing 4: Manufacturing, in a year, the following quantities of fertiliser (b) more than 5000t	Cnr Hubert and Archer Streets, SOUTH TOWNSVILLE QLD 4810 Part of Lot 577 on Plan SP251252 (also known by the Port of Townsville as Lease Lot W on Plan EP2377, Lease Lot X on Plan CP911657 and Lease Lot AQ on Plan SP164766).

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

Agency interest: Air	
Condition number	**Condition**
P2-A1	Dust and particulate matter emissions must not exceed the following concentrations at any **sensitive place** 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 (or more recent editions), or b) 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, at a dust sensitive place downwind of the site, when monitored in accordance with Australian Standard AS 3580.9.6 (or more recent editions) or any other method approved by the administering authority.
P2-A2	When requested by the administering authority, dust and particulate matter monitoring must: 1. be undertaken to investigate any complaint of environmental nuisance caused by dust or particulate matter; and 2. be carried out at places relevant to the potentially affected **sensitive place** or **commercial place** and at suitable representative reference site(s) unlikely to be affected by the **activity**; and 3. be carried out at a sufficient number of monitoring points to enable compliance assessment with condition P2-A1; and a. locations of dust and particulate sources; and b. locations of persons or sites potentially affected by any release of dust or particulate matter from the **activity**; and 4. be carried out in accordance with the latest edition of the administering authority's Air

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<table>
<tr><td></td><td>Quality Sampling Manual; and
5. be undertaken in conjunction with the recording of precipitation, wind speed and direction in accordance with the requirements of the relevant standards within AS3580.</td></tr>
<tr><td colspan="2">Agency interest: Water</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>P2-WA1</td><td>Other than as permitted within this environmental authority, contaminants must not be released to waters.</td></tr>
<tr><td>P2-WA2</td><td>Contaminants must only be released to surface waters in accordance with Table 1 – Surface Water Release Limits and the associated requirements.
Table 1 – Surface Water Release Limits
<table>
<tr><th>Release and Monitoring Point Description</th><th>Quality characteristic (unit)</th><th>Limit</th><th>Limit type</th><th>Monitoring Frequency</th></tr>
<tr><td rowspan="5">P24</td><td>pH (pH units)</td><td>6.5-8.5</td><td>Range</td><td rowspan="5">Upon release, and then daily while release continues</td></tr>
<tr><td>Ammonia (mg/L as N)</td><td>3.0</td><td>Maximum</td></tr>
<tr><td>Total Nitrogen (mg/L as N)</td><td>15.0</td><td>Maximum</td></tr>
<tr><td>Total Phosphorus (mg/L as P)</td><td>3.0</td><td>Maximum</td></tr>
<tr><td>Volume (kL)</td><td>-</td><td>-</td></tr>
</table></td></tr>
</table>

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	Associated requirements 1. The location of release and monitoring point must be in accordance with Attachment 1– Location of the sampling and monitoring point P24. 2. Monitoring must be in accordance with the methods prescribed in the current edition of the administering authority's *Monitoring and Sampling Manual.* 3. Water samples must be representative of the general condition of the water body. 4. All determinations must employ analytical practical quantification limits of sufficient sensitivity to enable comparisons to be made against water quality objectives/triggers/limits relevant to the particular water or sediment quality characteristic. 5. Monitoring must be undertaken during a release and at the frequency stated. 6. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual. 7. Volume is to be monitored only and must be measured or estimated.
P2-WA3	For each rainfall event, up to and including the first 200,000L of stormwater that has come into contact with a contaminant must not be released to waters.
P2-WA4	The following information must be recorded in relation to all **water monitoring** required under this environmental authority and submitted to the **administering authority** in the specified format annually via **WaTERS**: a) the date on which the sample was taken; b) the time at which the sample was taken; c) the monitoring point at which the sample was taken; d) the measured or estimated daily quantity of water released from all release points; and e) the results of all water quality monitoring and details of any exceedances of the conditions of this environmental authority.

PART 3 – Site Specific Conditions for all sites listed below

Environmentally relevant activities	Locations
ERA 50 – Mineral and bulk material handling 2: Loading and unloading 100t or more of bulk materials in a day or stockpiling bulk materials ERA 8 – Chemical storage	Benwell Road, SOUTH TOWNSVILLE QLD 4810 Part Lot 791 on Plan EP2348 (also known by the Port of Townsville as Lease Lot WMA on Plan SP126594, Lease Lot WMB on Plan SP126594, Lease Lot WMC on Plan SP126594, Lease Lot QRA on Plan SP126594, Lease Lot QRB on Plan SP126594, Lease Lot L on Plan IS151667, Lease Lot P on Plan IS151667, Lease Lot M on Plan IS151667, Lease Lot Q on Plan IS151667, Lease Lot T on Plan IS151665, Lease Lot S on Plan IS151666) Part Lot 594 on Plan EP1758 Part Lot 577 on Plan SP251252 Part Lot 430 Plan EP1068 Part Lot 621 on Plan SP157595

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

Agency interest: General	
Condition number	**Condition**
P3-G1	**Activities** under this environmental authority must be conducted in accordance with the following limitations: a) the amount of (bulk and/or bagged) fertiliser stored and handled must not exceed 1.7 million tonnes per annum (including 514, 000 tonnes per annum of Sulphur); b) the amount of Class C1 or C2 combustible liquids stored onsite must not exceed 34,800 Litres.
Agency interest: Air	
Condition number	**Condition**
P3-A1	When requested by the administering authority, dust and particulate matter monitoring must: 1. be undertaken to investigate any complaint of environmental nuisance caused by dust or

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	particulate matter; and 2. be carried out at places relevant to the potentially affected **sensitive place** or **commercial place** and at suitable representative reference site(s) unlikely to be affected by the **activity**; and 3. be carried out at: a. a sufficient number of monitoring points; and b. locations of dust and particulate sources; and c. locations of persons or sites potentially affected by any release of dust or particulate matter from the **activity**; and 4. be carried out in accordance with the latest edition of the administering authority's Air Quality Sampling Manual; and 5. be undertaken in conjunction with the recording of precipitation, wind speed and direction in accordance with the requirements of the relevant standards within AS3580.

Agency interest: Noise	
Condition number	**Condition**
P3-N1	When required by the **administering authority**, noise monitoring must include the following and the results notified within 14 days to the **administering authority**: 1. $\mathbf{L}_{Aeq,\ adj,\ T}$ 2. **Background** noise (Background) as $\mathbf{L}_{A\ 90,\ adj,\ T}$ 3. $\mathbf{MaxL}_{pA,T}$ 4. the level and frequency of occurrence of any impulsive or tonal noise 5. atmospheric conditions including wind speed and direction 6. effects due to extraneous factors such as traffic noise 7. recording of location, date and time of measurements.

Agency interest: Water	
Condition number	**Condition**
P3-WA1	Contaminants must not be released to any **waters**.

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Definitions

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 Science or its successors or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or 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*.

Environmental value 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.

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

Land does not include **waters**.

Liquid means any substance that:

1. has an angle of repose of less than five degrees; or
2. becomes free flowing at or below 60 degrees Celsius or when it is transported; or
3. is not generally capable of being picked up by a spade or shovel.

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

NATA means National Association of Testing Authorities.

Noxious means harmful or injurious to health or physical well-being.

Offensive means causing offence or displeasure, is unreasonably disagreeable to the sense, disgusting, nauseous or repulsive.

Prescribed water contaminants means contaminants listed within Schedule 10 of the Environmental Protection Regulation 2019.

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

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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:

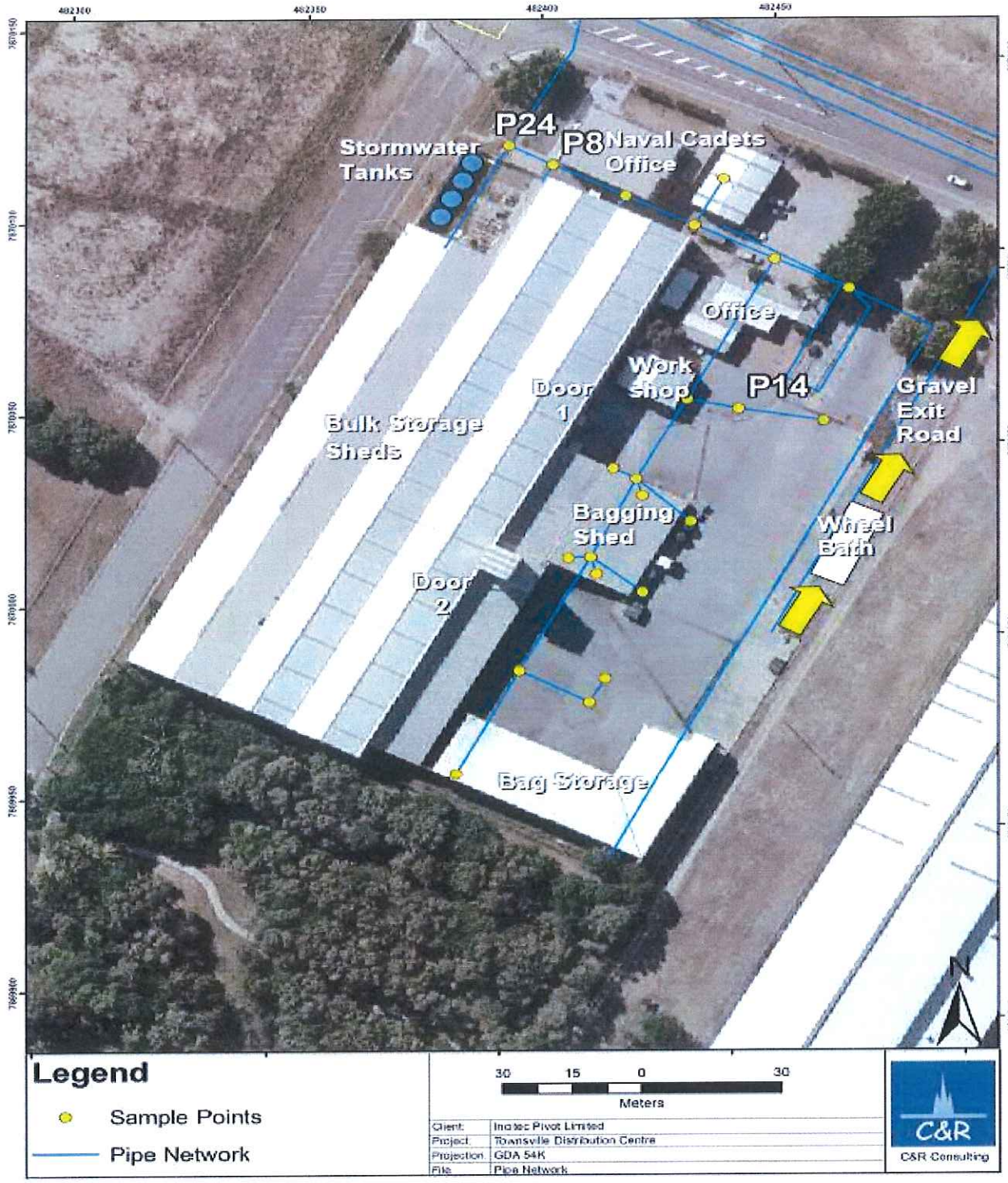
1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature 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 2019.

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.

WaTERS is the Wastewater Tracking and Electronic Reporting System (WaTERS) database formally known as the Point Source Database (PSD).

You means the holder of the environmental authority.

Attachment 1 – Location of the sampling and monitoring point P24



END OF ENVIRONMENTAL AUTHORITY

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