

BNE20825



Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Project Running Report

Project Ref 329481	Project Name Movement, Treatment Or Disposal Of Contaminated Soil/cnr Holt Street & Curtin Avenue (East),PINKENBA 4008/Industrial Galvanizers Corporation Pty Limited	Status Active	Project Director BARRY, Kim	Project Manager LALIME, Joline	Office Responsible Contaminated Land - Central Office
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Assessing Officers

Name

Applications: 2

Date 29-SEP-2008	Status Application Validation	Decision Level 2
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Primary Clients

Name	Address Line 1	Address Line 2	Suburb	Postcode	State
Industrial Galvanizers Corporation Pty Limited	Level 1, Building 10i, Technology Office Park	107 Miles Plating Road	EIGHT MILE PLAINS	4113	QLD

Activities

Name
Movement, Treatment Or Disposal Of Contaminated Soil

Locations

Name	Address Line 1	Address Line 2	Suburb	Postcode	State
cnr Holt Street & Curtin Avenue (East),PINKENBA 4008	cnr Holt Street & Curtin Avenue (East)		PINKENBA	4008	QLD

Agency Interests/Ratings

Category	Type	Rating
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Permits: 1

Permit Ref	Permit Type	Status
CLEB00014008	Contaminated Soil Disposal Permit	Current

Date 05-DEC-2008	Status Assessment	Decision Level 2
----------------------------	-----------------------------	----------------------------

Primary Clients

Name	Address Line 1	Address Line 2	Suburb	Postcode	State
Industrial Galvanizers Corporation Pty Limited	Level 1, Building 10i, Technology Office Park	107 Miles Plating Road	EIGHT MILE PLAINS	4113	QLD

Activities

Name
Movement, Treatment Or Disposal Of Contaminated Soil

Locations

Name	Address Line 1	Address Line 2	Suburb	Postcode	State
cnr Holt Street & Curtin Avenue (East),PINKENBA 4008	cnr Holt Street & Curtin Avenue (East)		PINKENBA	4008	QLD

Agency Interests/Ratings

Category	Type	Rating
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Permits: 1

EB



Release

Project Running Report

Date
05-DEC-2008

Status
Assessment

Decision
Level 2

Permit Ref
CLEB00019908

Permit Type
Contaminated Soil Disposal Permit

Status
Assessment

RTI DL RELEASE - EHP

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environmental licences and permits

Bring Up Details Report

329481 - Movement, Treatment Or Disposal Of Contaminated Soil/cnr Holt Street & Curtin Avenue (East), PINKENBA 4008/Industrial Galvanizers Corporation Pty Limited

Ref:	39644	Created Date:	08-DEC-08
Status:	Submitted	Closed Date:	
Assigned To:	BARRY, Kim	Due Date:	09-DEC-08
Email Address:	Kim.Barry@epa.qld.gov.au	Reminder Date:	
Project Director:			
Project Manager:			
CC:			
CC:			
Subject:	disposal permit		
Comments:	<p>PROJECT 329481 PERMIT CLEB00019908 CLIENT 526843</p> <p>Dear Kim</p> <p>A Disposal Permit application has been received and entered into ECOTRACK 081208. 250m3 of contaminated soil is to be moved from Lot 1176 SP153111 to Lot 288 S31235 & Lot 1 RP885033 between 141208-140109. The application will be forwarded to you at the Contaminated Land Unit 091208.</p>		

FOR INTERNAL USE ONLY
ENVIRONMENTAL PROTECTION AGENCY

SEARCH RESPONSE

ENVIRONMENTAL MANAGEMENT REGISTER (EMR)
CONTAMINATED LAND REGISTER (CLR)

Transaction ID: 1097133
2008

EMR Site Id: 40135

05 December

This response relates to a search request received for the site:
Lot: 1176 Plan: SP153111

SEARCH RESULT

The site you have searched is a lot resulting from the amalgamation of the following sites, which are included on the Environmental Management Register (EMR) or the Contaminated Land Register (CLR), as indicated below. Further details for these sites are available by contacting this Agency.

Lot	Plan	
905	SL6244	EMR
1154	SL10385	EMR

ADDITIONAL ADVICE

Note: Searches may be conducted online through the State Government Website www.smartservice.qld.gov.au or Citec Confirm www.confirm.com.au.

If you have any queries in relation to this search please phone (07) 3227 7370.

Lindi Bowen
Registrar, Contaminated Land Unit

To execute a new search, select the "Back" button on the browser twice

RECEIVED

- 5 DEC 2008

ECSH

P.O. Box 1311 Eagle Farm Qld 4009
Tele: (07) 3632 7700 Fax: (07) 3632 7799
E-mail: efoord@indgalv.com.au
Web: <http://www.indgalv.com.au>

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FACSIMILE MESSAGE

Private and Confidential

To: Karen Francis

Attn: HIGH PRIORITY

Fax: 3115 9600

Date: Friday, 5 December 2008

Pages: 12 including cover sheet

Time: 12:11:44 PM

Subject: Soil disposal permit approval

From: Edward Foord

Confidentiality Note: This faxed information is intended solely for the named addressee and may contain information that is confidential and privileged. If you are NOT the intended recipient, you are hereby notified that any disclosure, or taking of any action based on the contents of this information, is strictly prohibited. If you have received this communication in error, please notify us immediately by phone and destroy the original message. Thank you.

Hi Karen,

Please find Part A and Part B disposal permit application and also the Veolia Acceptance letter.

Many thanks,

Edward Foord
HSE Systems Coordinator
Industrial Galvanizers (QLD)
M. s.73
P. 07 3632 7704
E. efoord@ingal.com.au

"Safety"

"Make it your number #1 Priority"

INDUSTRIAL GALVANIZERS (BRISBANE)

A division of Industrial Galvanizers Corporation Pty. Ltd. A.C.N.: 000 545 415 A.B.N.: 40 000 545 415 010

Cnr Holt Street and Curtin Avenue, Pinkenba
P.O. Box 1311 Eagle Farm Qld 4009

Tele: (07) 3632 7700 Fax: (07) 3632 7799

E-mail: efoord@indgalv.com.auWeb: <http://www.indgalv.com.au>*You're better off with...***FACSIMILE MESSAGE****Private and Confidential****To:** Karen Francis**Attn:** HIGH PRIORITY**Fax:** 3115 9600**Date:** Friday, 5 December 2008**Pages:** 12 including cover sheet**Time:** 12:11:44 PM**Subject:** Soil disposal permit approval**From:** Edward Foord

Confidentiality Note: This faxed information is intended solely for the named addressee and may contain information that is confidential and privileged. If you are NOT the intended recipient, you are hereby notified that any disclosure, or taking of any action based on the contents of this information, is strictly prohibited. If you have received this communication in error, please notify us immediately by phone and destroy the original message. Thank you.

Hi Karen,

Please find Part A and Part B disposal permit application and also the Veolia Acceptance letter.

Many thanks,

Edward Foord
HSE Systems Coordinator
Industrial Galvanizers (QLD)

M. s.73

P. 07 3632 7704

E. efoord@ingal.com.au

"Safety"

"Make it your number #1 Priority"





**Resource Recovery Services
Queensland**

December 05, 2008

Ref: 0372H SUD
Preclassification Storage

Industrial Galvanizers (Australia)
PO Box 503
MOOROOKA QLD 4105

Attention: Edward Foord

Reference: Acceptance of Contaminated Soils from the Industrial Galvanizers Soil Removal at Cnr Holt Street and Curtin Avenue East, Pinkenba, QLD for Preclassification Storage at Wattle Glen Landfill Facility.

Dear Edward,

We refer to the recent correspondence relating to approximately 250m³ of contaminated material arising from the above site. Veolia Environmental Services has reviewed the information provided, including previous data provide on other project from this site and we currently can NOT confirm that the material currently requiring disposal is acceptable at our Wattle Glen Landfill Facility. As a result we propose to receive the material at Wattle Glen Landfill Facility, stockpiled (stored) and characterise it and then the relevant portions of the material will either be disposed to unlined landfill or disposed to lined landfill (Ti Tree BioENREGY Facility, if required).

The nominated site for storage and characterisation of the approved material is the Veolia Environmental Services (Australia) Pty Ltd landfill at Wattle Glen Landfill, Halletts Road / Patrick St and Greenwood Village Road, Redbank Plains, Qld 4031. The real property description of this site for EPA verification is Lot 288 on S31235 and Lot 1 on RP885033, County of Stanley, Parish of Bundamba.

Acceptance is subject to the following conditions:

1. Each load of material must be wetted with water (if necessary) and covered prior to transportation for suppression of dusts.



Veolia Environmental Services (Australia) Pty Ltd
166 Boundary Road, Rocklea, QLD 4106 - tel +61 (0)7 3275 0111- fax +61 (0)7 3275 2303
www.veolia.com.au ABN 20 051 316 584



Release

6 17 36327799



0372H

2. EPA must approve the disposal of the material at Wattle Glen Landfill Facility and confirm this by issuing a section 424 permit, or confirmation that a removal permit is not applicable.
3. The soil must not contain any other contaminants in exceedance of the limits given in schedule G of the concurrence agency response to our Development Approval, which has been sent to you previously.
4. The haulage contractor and relevant truck registration numbers (if not supplied by Veolia Environmental Services) must be notified to us in advance of waste delivery to allow pre-registration on the site's weighbridge system. A confidential job specific authorisation code (waste code) will be issued on your confirmation of EPA approval, for use in conjunction with the attached procedure.

If there is any additional information you require please do not hesitate to contact myself on the numbers listed below.

Yours Sincerely,

s.73

Joanne Salmon

Environmental Engineer

Tel: 07 3275 0156

Mob: 04 0871 5977

Fax: 07 3275 0101

email: joanne.salmon@veolia.com.au
gld.env.services@veolia.com.au

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Environmental licences and permits

Application form —Part B

Section 424 — Environmental Protection Act 1994

Contaminated soil disposal permit

This form asks for specific details in relation an application under s424 of the Environmental Protection Act 1994 for a permit to undertake off-site disposal of contaminated soil which is required before you can proceed lawfully with your project and any associated activities.

1. Specific information requirements

Please provide details of site(s) from which soil is to be removed.

If you require additional space, attach the information requested and make reference to that sheet here.

FULL STREET ADDRESS OF SITE(S) Cnr Holt St & Curtin Ave (East) PINKENBA QLD 4008	
LOT(S) 1176	PLAN(S) SP153111
LOCAL GOVERNMENT AUTHORITY Brisbane City Council	

Has a site investigation report been submitted to the Environmental Protection Agency (EPA)?

☒ NO

☐ YES

EPA PROJECT REFERENCE OR FILE NUMBER? (IF KNOWN)

Please tick the relevant box in reference to a copy of current Certificate of Title

☐ ENCLOSED WITH THIS APPLICATION

☐ SUBMITTED PREVIOUSLY TO EPA WITHIN A SITE INVESTIGATION / VALIDATION REPORT

Has the site been used for a notifiable activity as per Schedule 2 of the Environmental Protection Act 1994?

☐ NO

☒ YES (PLEASE SPECIFY) NOTIFIABLE ACTIVITY # 23 - METAL TREATMENT OR COATING

Is the site presently being used for a notifiable activity?

☐ NO

☒ YES (PLEASE SPECIFY) PLEASE SEE ABOVE


Is the site currently on the Environmental Management Register or Contaminated Land Register?

☒ YES

☐ NO (IF NO, YOU MUST SUBMIT A NOTIFICATION FORM TO THE EPA)

Has contaminated soil been removed from this site in the past?

☐ NO (GO TO QUESTION 19)

☒ YES

Was approval for off-site disposal obtained?

☐ NO☒ YES

What is the approximate volume (in cubic metres) of soil to be removed (allowing for excavation bulking)?

250m3

How did you calculate the volume of soil to be removed?

Volume was calculated on basis of area and depth to be excavated including allowance for overcut and excavation bulking.

What are the dates between which soil will be moved to the disposal location?

(As per Section 424(7) of the EP Act, permits will only be valid between dates stipulated in the disposal permit)

FROM DATE:

14/12/2008

TO DATE:

14/01/2009

Justification of request?

State reason(s) why on-site treatment or management is not proposed

Lack of available land space for storage of this quantity of soil.
Concerns relating to stormwater management due to soil quantities of this volume.

Will validation sampling be undertaken to confirm that all soil has been removed?

☒ NO☐ YES

Application form – Part B
Contaminated soil disposal permit
Provide a description of contamination present in soil to be removed?

Soil is to be stockpiled at Veolia facility before characterisation can be completed.

Please tick relevant boxes to indicate that you have attached the following information with this application?

- ☐ Scaled diagram showing soil sampling locations and contamination source(s)
- ☐ Tabulation of soil analysis results
- ☐ Toxicity Characteristic Leaching Procedure (TCLP) results from relevant soil samples
- ☐ Laboratory reports and sample receipt advices for all soil analysis
- ☐ Explanation of location and depths of samples, how samples were collected, and how sample integrity was maintained

Written acceptance from owner of site receiving contaminated soil?

- (a) ☐ Soil being removed to a local government-administered landfill

NAME AND ADDRESS OF LOCAL GOVERNMENT-ADMINISTERED LANDFILL

- ☐ Written acceptance from local government authority is enclosed

- (b) ☒ Soil being removed not going to a local government-administered landfill

- ☐ Copy of Certificate of Title for the disposal location site

LOT(S) 288 & 1

PLAN(S) S31235&RP885033

FULL STREET ADDRESS OF SITE(S)

WATTLE GLEN LANDFILL, HALLETS RD, PATRICK ST & GREENWOOD VILLAGE RD, RED BANK PLAINS QLD.

- ☒ Written acceptance from registered owner of site is enclosed with this application

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environmental licences and permits

**Application form – Part B
Contaminated soil disposal permit**

Declaration

Please read the certification below before signing. The proposed permit holder or their appointed signatory must sign this form.

Note: If you have not told the truth in this application you may be liable for prosecution under the relevant Acts or Regulations.

- I do solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge. I understand that it is an offence under s480 of the EP Act to give to the administering authority or an authorised person a document containing information that I know is false, misleading or incomplete in a material particular.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Freedom of Information Act 1992* and the *Evidence Act 1977*.

APPLICANT'S NAME GREG ARNOLD CLABROUGH	PRINT NAME OF APPOINTED SIGNATORY (IF APPLICABLE)
--	---

APPLICANT'S SIGNATURE / APPOINTED SIGNATORY s.73	DATE 4-12-08
---	------------------------

Applicant checklist

- ☒ Application form(s) completed and signed
Supporting information attached (if applicable)

Please return your completed application kit to:

**Ecoaccess Customer Service Unit
Environmental Protection Agency**

**PO Box 15155
City East
Queensland 4002**

**Enquiries: 1300 368 326
Facsimile: (07) 3115 9600
eco.access@epa.qld.gov.au**

You may apply for an exemption from disclosing information contained in a document submitted, or proposed to be submitted with this application (see Section 564 of the *Environment Protection Act 1994*).

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environmental licences and permits

Application Form

Part A

General details for all applications

OFFICIAL USE ONLY

DATE RECEIVED

FILE REF

PROJECT REF

COMPLETE FORM

☐

ENTERED BY (SIGNATURE)

DATE

RECEIPTING DETAILS ONLY

DATE RECEIVED

RECEIPT NUMBER

AMOUNT RECEIVED

\$

PROCESSED BY (INITIALS AND NAME)

GUIDE

1. The applicant is the person intending to carry out the activity and in whose name the relevant permits or licences are to be issued.

The registered address is legally required for the serving of notices. It is the address of a person and cannot be a post office box.

If more than one applicant as part of a partnership, complete the "Joint applicant details" form and attach to this PART A form.

Important information for applicants

This form asks for general applicant details and a description of the proposed project and any associated activities. The completed form must be submitted together with relevant activity specific [Part B] forms and any other associated forms included in your application kit.

Specific details must accompany this form to enable your application to be processed. The guide provided will help you complete your application correctly. If you have any difficulties completing the form, contact the Ecoaccess Customer Service Unit desk on 1300 368 326. Please number all attachments alphabetically (e.g. 'Attachment A').

(Commercial and confidential information must be marked clearly. If subsequent activities are added to the project, you will be required to resubmit this application with details of the additional activity).

Tick relevant boxes below if the applicant(s) are:

- ☐ an individual or sole trader
☐ individuals in a partnership
☐ individual(s) acting on behalf of an unincorporated organisation
→ Go to Section 1
☒ an incorporated company
☐ an incorporated association
☐ a statutory authority
☐ a body politic
→ Go to Section 2

1. Individual applicant(s) details⁽¹⁾

APPLICANT'S FULL NAME		TITLE	DATE OF BIRTH
REGISTERED ADDRESS			POST CODE
TELEPHONE	FACSIMILE	E-MAIL	
POSTAL ADDRESS (WRITE "AS ABOVE" IF THE SAME AS REGISTERED ADDRESS)			POST CODE



Application form – Part A

General details for all applications

Guardian details (if applicable)

A parent or legal guardian must complete the following details if an applicant is under 18 years of age.

GUARDIAN'S FULL NAME	DATE OF BIRTH
GUARDIAN'S REGISTERED ADDRESS	POST CODE
GUARDIAN'S SIGNATURE	DATE

→ Go to Section 3

2. Applicant details

2. The applicant is the registered legal entity (not a business trading name) intending to carry out the activity and in whose name the relevant permits or licences are to be issued.

The registered address is legally required for the serving of notices. It is the registered business address of the company making the application and cannot be a post office box.

Enter the Australian Business Number (ABN), or the Australian Company Number (ACN) of the incorporated company, or the Association Number (AN) of the incorporated association, or the title and section of the legislation that gives the statutory corporation its legal status.

REGISTERED LEGAL ENTITY NAME INDUSTRIAL GALVANIZERS CORPORATION PTY LTD		
TRADING NAME (IF APPLICABLE) INDUSTRIAL GALVANIZERS (BRISBANE)		
REGISTERED ADDRESS Level 1, Building 101, Technology Office Park 107 Miles Plating Road, EIGHT MILE PLAINS QLD	POST CODE 4113	
TELEPHONE 07 3632 7700	FACSIMILE 07 3632 7799	E-MAIL/WEBSITE
POSTAL ADDRESS (WRITE "AS ABOVE" IF THE SAME AS REGISTERED ADDRESS) Industrial Galvanizers Brisbane PO Box 1311, EAGLE FARM QLD		POST CODE 4009
ABN/ACN/AN OR TITLE AND SECTION OF LEGISLATION ABN 40 000 545 415		

Application form – Part A
General details for all applications

Principal contact or person in charge details

PRINCIPAL CONTACT/PERSON IN CHARGE FULL NAME GREG CLABROUGH	TITLE MR
--	-------------

POSITION IN CORPORATION GENERAL MANAGER (QUEENSLAND)

TELEPHONE 07 3632 7700	FASCIMILE 07 3632 7799	E-MAIL/WEBSITE gclabrough@ingal.com.au
---------------------------	---------------------------	---

POSTAL ADDRESS (WRITE "AS ABOVE" IF THE SAME AS REGISTERED ADDRESS) PO BOX 1311 EAGLE FARM QLD	POST CODE 4009
--	-------------------

Authorised signatory

The authorised signatory is the person authorised to sign an application on behalf of a corporation and in doing so declares that the corporation will be bound by the conditions associated with the granting of the licence or permit.

AUTHORIZED SIGNATORY FULL NAME GREG ARNOLD CLABROUGH	TITLE MR
---	-------------

POSITION IN CORPORATION GENERAL MANAGER (QUEENSLAND)

3. Project details

Pre-lodgement

Have you previously attended a pre-lodgement meeting or submitted a pre-lodgement form for this project?

☒ NO ☐ YES

PROJECT NUMBER (IF APPLICABLE)

Project description

Briefly describe the proposed activities, works, development or management. Attach a separate sheet if there is insufficient space below.

DESCRIPTION INSTALLATION OF STORM WATER TREATMENT MEASURES AT THE SITE REQUIRES REMOVAL OF SOIL.

Application form – Part A

General details for all applications

Approvals required

Please list all Part B application forms you are attaching to this form.

APPLICATION FORMS

CONTAMINATED SOIL DISPOSAL PERMIT PART B

Project site

Where will the activities be conducted? Provide the street address, real property description(s) of the land(s) in which the project is located and local government area. If you require more space, attach a separate sheet.

STREET ADDRESS

Cnr Holt St & Curtin Ave (East) PINKENBA QLD 4008

LOT

1176

PLAN

SP153111

LOCAL GOVERNMENT AREA

COUNTY OF STANLEY,;PARISH OF WOOGAROO

If possible, provide a specific location within a protected area, a property name or an attached map with the project area clearly delineated. Also include the map name/details.

SPECIFIC LOCATION/PROPERTY NAME

PROTECTED AREA

GEOGRAPHICAL CO-ORDINATES

This information should at least provide enough details to allow an EPA or QPWS officer to locate the site of the proposal.

Give as much information as possible to accurately locate your activity, for example maps with contextual or boundary lines on plan or GPS boundary co-ordinates.

Geographical co-ordinates can include northing/easting, longitude/latitude.

Label all attachments alphabetically (e.g. 'Attachment A')

Attachments

List all attached documents, including maps containing information supporting this application in the space below. If there are no attachments mark "N/A."

ATTACHMENTS (LABEL ALL ATTACHMENTS ALPHABETICALLY – E.G. 'ATTACHMENT A')

NONE

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Application form – Part A
General details for all applications**4. Applicant's certification**

Note: If you have not told the truth in this application you may be liable for prosecution under the relevant Acts or Regulations.

- I do solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the Oaths Act 1967.
- I understand that information supplied on or with this application form may be disclosed publicly in accordance with the Freedom of Information Act 1992 and the Evidence Act 1977.

APPLICANT(1) SIGNATURE

s.73

Joint applicant signatures (if applicable)

APPLICANT(2) SIGNATURE

APPLICANT(3) SIGNATURE

APPLICANT(4) SIGNATURE

APPLICANT(5) SIGNATURE

DATE

4-12-08

Complete the following checklist.

- ☒ Application form(s) signed and completed
- ☐ Permit fees paid or enclosed (if applicable)
- ☐ Supporting information attached (e.g. maps)

Please return your completed application kit to:**Ecoaccess Customer Service Unit**
Environmental Protection AgencyPO Box 16155
City East
Queensland 4002Enquiries: 1300 368 326
Facsimile: (07) 3115 9600
Email: eco.access@epa.qld.gov.au

INDUSTRIAL GALVANIZERS (BRISBANE)

A division of Industrial Galvanizers Corporation Pty. Ltd. A.C.N.: 000 545 415 A.B.N.: 40 000 545 415 010

Cnr Holt Street and Curtin Avenue, Pinkenba

P.O. Box 1311 Eagle Farm Qld 4009

Tele: (07) 3632 7700 Fax: (07) 3632 7799

E-mail: efoord@indgalv.com.auWeb: <http://www.indgalv.com.au>*You're better off with...***FACSIMILE MESSAGE****Private and Confidential****To:** Greg Claborough**Attn:** HIGH PRIORITY**Fax:** 4774 8444**Date:** Thursday, 4 December 2008**Pages:** 3 including cover sheet**Time:** 9:10:54 AM**Subject:** Soil disposal permit approval**From:** Edward Foord

Confidentiality Note: This faxed information is intended solely for the named addressee and may contain information that is confidential and privileged. If you are NOT the intended recipient, you are hereby notified that any disclosure, or taking of any action based on the contents of this information, is strictly prohibited. If you have received this communication in error, please notify us immediately by phone and destroy the original message. Thank you.

Hi Greg,

For the Bioretention filters we need to extract more soil on the southern boundary line at Pinkenba. This is planned by JC to occur on the 15th and 16th of December.

Can you please sign these forms today for the soil disposal permit (Part A and B) and send them back as soon as possible as the EPA aren't exactly quick processing these.

Many thanks,

Edward Foord
HSE Systems Coordinator
 Industrial Galvanizers (QLD)

M. s.73

P. 07 3632 7704

E. efoord@ingal.com.au

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"Make it your number #1 Priority"

Application form – Part A
General details for all applications

4. Applicant's certification

Note: If you have not told the truth in this application you may be liable for prosecution under the relevant Acts or Regulations.

- I do solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the *Oaths Act 1867*.
- I understand that information supplied on or with this application form may be disclosed publicly in accordance with the *Freedom of Information Act 1992* and the *Evidence Act 1977*.

APPLICANT(1) SIGNATURE

Joint applicant signatures (if applicable)

APPLICANT(2) SIGNATURE

APPLICANT(3) SIGNATURE

APPLICANT(4) SIGNATURE

APPLICANT(5) SIGNATURE

DATE

Complete the following checklist.

- ☐ Application form(s) signed and completed
- ☐ Permit fees paid or enclosed (if applicable)
- ☐ Supporting information attached (e.g. maps)

Please return your completed application kit to:

Ecoaccess Customer Service Unit
Environmental Protection Agency

PO Box 15155
City East
Queensland 4002

Enquiries: **1300 368 326**
Facsimile: (07) 3115 9600
Email: eco.access@epa.qld.gov.au

lost permit
dec.due 13/10/08
issued 10/10/08

Application form – Part B
Contaminated soil disposal permit**Declaration**

Please read the certification below before signing. The proposed permit holder or their appointed signatory must sign this form.

Note: If you have not told the truth in this application you may be liable for prosecution under the relevant Acts or Regulations.

- I do solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge. I understand that it is an offence under s480 of the EP Act to give to the administering authority or an authorised person a document containing information that I know is false, misleading or incomplete in a material particular.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Freedom of Information Act 1992* and the *Evidence Act 1977*.

APPLICANT'S NAME	PRINT NAME OF APPOINTED SIGNATORY (IF APPLICABLE)
APPLICANT'S SIGNATURE / APPOINTED SIGNATORY	DATE

Applicant checklist

- ☐ Application form(s) completed and signed
Supporting information attached (if applicable)

Please return your completed application kit to:

**Ecoaccess Customer Service Unit
Environmental Protection Agency**

PO Box 15155
City East
Queensland 4002

Enquiries: 1300 368 326
Facsimile: (07) 3115 9600
eco.access@epa.qld.gov.au

You may apply for an exemption from disclosing information contained in a document submitted, or proposed to be submitted with this application (see Section 564 of the *Environment Protection Act 1994*).

Joline Lalime

From: Eco Access
Sent: Thursday, 4 December 2008 11:27 AM
To: Darryl Byers; Joline Lalime
Subject: FW: 252S - Final Tonnage Report and Disposal Acceptance
Attachments: 0372G letter ULD.pdf; 0372G - Tonnage Report - Final.xls; HoltCurtin_Industrial Galv_Veolia (4).pdf; CofRd.pdf

This is for a disposal permit that has already been submitted

Edward phoned asking for this to be processed quickly and could we get someone other than Joline onto it as he know she is not in

Karen

Karen Francis
Ecoaccess Customer Service Consultant
EPA
Phone 1300 368 326
Fax 3115 9600

From: Edward Foord [mailto:efoord@ingal.com.au]
Sent: Thursday, 4 December 2008 10:15 AM
To: Eco Access
Subject: FW: 252S - Final Tonnage Report and Disposal Acceptance

Dear Sir / Madam,

Please find attached results and letter of acceptance of the soil to an unlined landfill facility.

I look forward to your confirmation of movement to landfill.

Thanks and regards,
Edward Foord

Environmental Coordinator

Industrial Galvanizers Australia
PO Box 503
Moorooka QLD 4105

Ph: 07 3859 7704
Fax: 07 3859 7452
Mob: s.73

Email: efoord@ingal.com.au

♻️ Think before your print - One ton of paper requires the use of 98 tons of various resources.

From: Joanne Salmon [mailto:Joanne.Salmon@veolia.com.au]
Sent: Thursday, 4 December 2008 10:00 AM
To: Edward Foord
Subject: FW: 252S - Final Tonnage Report and Disposal Acceptance

Eddie,

As discussed, please find attached the acceptance letter for the disposal of the stockpiled soil. If you forward

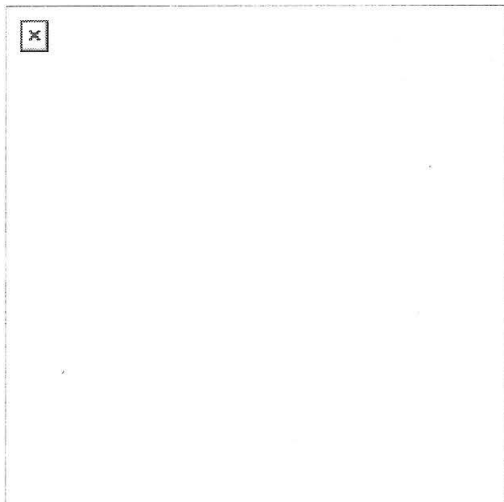
this to the EPA along with your analysis results, that should satisfy the requirements of the permit.

Regards,

Joanne Salmon

Environmental Engineer

Veolia Environmental Services (Australia) Pty Ltd



166 Boundary Road,
Rocklea, QLD, 4106
Phone: (07) 3275 0156
Mobile: s.73
Fax: (07) 3275 0101
joanne.salmon@veolia.com.au
www.veoliaes.com.au

From: Joanne Salmon

Sent: Friday, November 28, 2008 9:57 AM

To: 'Edward Foord'

Subject: 252S - Final Tonnage Report and Disposal Acceptance

Edward,

Please find attached the finalised tonnage report and the disposal acceptance letter for the material received for preclassification storage at Veolia Environmental Services' Wattle Glen Landfill and Landfarm Facility.

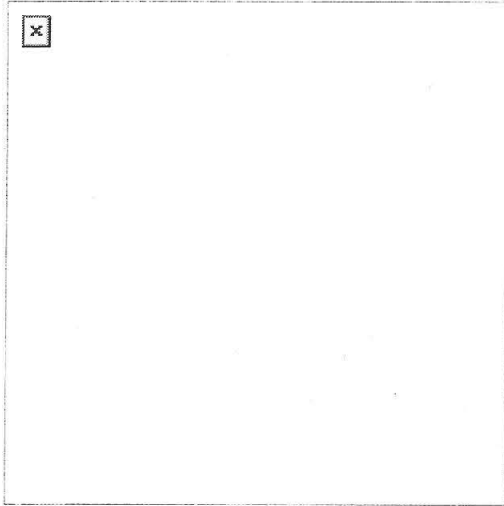
Could you please confirm that there is no disposal permit required for this material as it is will be disposed directly to unlined landfill at the facility at which it is currently stored.

Regards,

Joanne Salmon

Environmental Engineer

Veolia Environmental Services (Australia) Pty Ltd



166 Boundary Road,
Rocklea, QLD, 4106
Phone: (07) 3275 0156
Mobile: s.73
Fax: (07) 3275 0101
joanne.salmon@veolia.com.au
www.veoliaes.com.au

RTI DL RELEASE - EHP



Resource Recovery Services
Queensland

November 28, 2008

Ref: 0372G SUD
Unlined Landfill Disposal

Industrial Galvanizers (Australia)
PO Box 503
MOOROOKA QLD 4105

Attention: Edward Foord

Reference: Acceptance of Contaminated Soils from the
Industrial Galvanizers Soil Removal at Cnr Holt
Street and Curtin Avenue East, Pinkenba, QLD
for Unlined Landfill Disposal at Wattle Glen
Landfill Facility.

Dear Edward,

We refer to the recent correspondence and attached chemical analyses dated 03 November 2008, relating to approximately 250m³ of contaminated material arising from the above site. Veolia Environmental Services has reviewed the data provided and can confirm that the material represented by the following sample numbers is acceptable for disposal at our Wattle Glen Landfill Facility.

Sample Numbers: SOIL SAMPLE 1; SOIL SAMPLE 2; SOIL SAMPLE 3; SOIL
SAMPLE 4; SOIL SAMPLE 5; SOIL SAMPLE 6;

The nominated site for unlined disposal of the approved material is the Veolia Environmental Services (Australia) Pty Ltd landfill at Wattle Glen Landfill, Hallets Road / Patrick St and Greenwood Village Road, Redbank Plains, Qld 4031. The real property description of this site for EPA verification is Lot 288 on S31235 and Lot 1 on RP885033, County of Stanley, Parish of Bundamba.

Acceptance is subject to the following conditions:

1. Each load of material must be wetted with water (if necessary) and covered prior to transportation for suppression of dusts.
2. EPA must approve the disposal of the material at Wattle Glen Landfill Facility and confirm this by issuing a section 424 permit, or confirmation that a removal permit is not applicable.



Veolia Environmental Services (Australia) Pty Ltd
166 Boundary Road, Rocklea, QLD 4106 - tel +61 (0)7 3275 0111- fax +61 (0)7 3275 2303
www.veolia.com.au ABN 20 051 316 584





3. The soil must not contain any other contaminants in exceedance of the limits given in schedule G of the concurrence agency response to our Development Approval, which has been sent to you previously.

If there is any additional information you require please do not hesitate to contact myself on the numbers listed below.

Yours Sincerely,

s.73

Joanne Salmon

Environmental Engineer

Tel: 07 3275 0156

Mob: 04 0871 5977

Fax: 07 3275 0101

email: joanne.salmon@veolia.com.au
qld.env.services@veolia.com.au

RTI DL RELEASE - EHP



Release

**Wattle Glen Landfill Facility****Industrial Galvanisers***Cnr Holt St & Curtin Ave, Pinkenba**Contaminated Soil, Storage for Precharacterisation*

Reporting Period

Start Date: **16.10.08**End Date: **17.11.08**

Access Code: 252S

Date Delivered	Customer Company Name	Truck Rego	Trans. Number	Bridge Code (Material ID)	Tonnage Delivered
Total Load Count		15 loads	REPORT TOTAL		399.20 t
16 / 10 / 2008	Industrial Galvanisers	42JRS	365283	252S	27.08 t
16 / 10 / 2008	Industrial Galvanisers	42JRS	365313	252S	25.54 t
16 / 10 / 2008	Industrial Galvanisers	41JRS	365344	252S	30.92 t
16 / 10 / 2008	Industrial Galvanisers	42JRS	365355	252S	27.46 t
17 / 10 / 2008	Industrial Galvanisers	42JRS	365396	252S	26.86 t
17 / 10 / 2008	Industrial Galvanisers	42JRS	365473	252S	26.10 t
17 / 10 / 2008	Industrial Galvanisers	42JRS	365510	252S	24.64 t
23 / 10 / 2008	Industrial Galvanisers	41JRS	366178	252S	28.16 t
30 / 10 / 2008	Industrial Galvanisers	42JRS	367231	252S	28.84 t
30 / 10 / 2008	Industrial Galvanisers	42JRS	367340	252S	28.90 t
31 / 10 / 2008	Industrial Galvanisers	42JRS	367471	252S	29.30 t
03 / 11 / 2008	Industrial Galvanisers	42JRS	367631	252S	13.94 t
14 / 11 / 2008	Industrial Galvanisers	41JRS	369014	252S	23.84 t
17 / 11 / 2008	Industrial Galvanisers	38JRS	369155	252S	29.40 t
17 / 11 / 2008	Industrial Galvanisers	38JRS	369190	252S	28.22 t



Queensland
Government

Enquiries to: Joline Lalime
Telephone: (07) 3224 8244 / Fax (07) 3247 3278
Your reference:
Our reference: BNE20825 Permit No. CLEB00014008

Environmental Protection Agency
Incorporating the
Queensland Parks and Wildlife Service

Permit to Remove and Dispose of Contaminated Soil

Pursuant to Section 424 of the *Environmental Protection Act* 1994 (EP Act) permission is given to the applicant:

Mr Greg Clabrough

General Manager (Queensland)

Industrial Galvanizers Corporation Pty Ltd

PO Box 1311

EAGLE FARM QLD 4009

Telephone: (07) 3632 7700

Fax: (07) 3632 7799

to remove soil contaminated with uncharacterised contaminants
from Cnr Holt St and Curtin Ave (East), PINKENBA QLD on Lot 1176 on SP153111 and described
in the following correspondence:

Application for Contaminated Soil Disposal Permit dated 25 September 2008 and received 29
September 2008. The permit holder is responsible for ensuring that all personnel involved in the
excavation, removal and disposal comply with the specific and standard conditions in Schedules 1 and
2 of this permit.

Signed

s.73

Kim Barry /

A/Team Leader (Contaminated Land Unit)

10/10/08

Cc: EPA (Ipswich), attn: Greg Benson, e-mail: greg.benson@epa.qld.gov.au

Cc: Veolia Pty Ltd, attn: Joanne Salmon, e-mail: joanne.salmon@veolia.com.au

Notice to Applicant

The conditions on this permit have been decided after consideration of the standard
criteria (EP Act) and for the purpose of preventing environmental harm. The
applicant may apply for a review or appeal against the decision within 10 business
days of receipt of this notice (s521 and s531).

288 Edward Street Brisbane
Queensland 4000 Australia
GPO Box 2771, Brisbane Qld 4001
Telephone (07) 3225 1827
Facsimile (07) 3247 3278
Website www.env.qld.gov.au
ABN 87 221 158 786

Schedule 1 of 2 – Specific Conditions

The volume or mass of the contaminated soil shall not exceed 250 cubic metres (ex situ).

The soil is to be disposed of in accordance with the disposal facility approval letters dated 23 September 2008 at Veolia Pty Ltd, Wattle Glen Landfill Facility at Halletts Road / Patrick Street and Greenwood Village Road, REDBANK PLAINS, QLD 4031.

The soil must be disposed of between 10/10/2008 and 10/04/2009.

Other conditions

- (a) The contaminated soil to be removed from the subject site must be stockpiled at the nominated receival facility and within a 30 business day period, must be sampled and analysed in accordance with the EPA Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland, 1998.
- (b) Within the 30-day period outlined above, the applicant must also provide the EPA in writing with the analytical results and a confirmation of intent to landfarm the contaminated soil or alternate treatment/disposal options.
- (c) In the case where alternate treatment/disposal options require the stockpiled/partially treated soil to be removed from the nominated receival facility to another treatment/disposal facility, the applicant must apply for a new Disposal Permit prior to removal of the material from the nominated receival facility.

Schedule 2 of 2 – Standard Conditions

1. Volume / mass of contaminated soil

This permit applies to the specified volume or mass only. Any increases to the specified quantity will require a new disposal permit.

2. Disposal time period

Disposal must occur within the dates specified or a new disposal permit must be sought.

3. Excavation and loading

The holder of this disposal permit must take all reasonable precautions necessary to prevent the spillage of contaminated soil during loading and prevent contaminated soil being transported from the site of origin on vehicle tyres and plant and equipment.

4. Transportation

(a) *Transporter to be advised of permit conditions*

Prior to the removal of contaminated soil, the permit holder must provide a copy of the permit and conditions to the transporter.

(b) *Load to be secured*

The contaminated soil must be covered in the transportation vehicle to ensure that the contaminated soil or offensive or noxious gases are not released during transport.

(c) *Cleaning of vehicles and plant equipment*

An effective system must be employed for cleaning of vehicles and plant and equipment which are used to transport or handle contaminated soil which prevents release of contaminants onto any roadway or to any waters or stormwater drainage system.

(d) *Spillage*

Any spillage of contaminants must be cleaned up as quickly as practicable. Spillages must not be cleaned up by hosing, sweeping or otherwise releasing such contaminants or material to any stormwater drainage system, roadside gutter or waters.

5. Receival and disposal

(a) *Licence conditions*

The acceptance and disposal of the contaminated soil must comply with the licence conditions and the specific requirements of the disposal facility.

(b) *Disposal receipts*

Copies of disposal acceptance receipts are to be submitted to the Administering Authority within 10 business days of the date of disposal. The holder of, or person acting under a disposal permit, must comply with the conditions of the permit (s425 of the *Environmental Protection Act 1994*).
Maximum penalty - 100 penalty units.

6. Interim storage

Contaminated soil which is temporarily stored at the site of origin or approved for storage at a separate property must be stockpiled and securely covered and/or managed to ensure that:

- (a) rainwater is drained away from the stockpiles;
- (b) contaminated soil is not transported from the stockpile by wind or rainwater;
- (c) offensive odours or noxious gases are not released; and
- (d) soil underlying the stockpiles is not affected by contamination.

A report is to be provided to the Administering Authority within 28 days of final disposal that verifies that the storage area is fully cleared of contamination.

7. Treatment of soil

(a) *Licensed facility*

When treatment is to be undertaken at a licensed general waste disposal facility or regulated waste treatment and disposal facility, acceptance receipts must be provided to the Administering Authority within 10 days of contaminated soil delivery. The contamination level in the soil must be reduced to a level agreed by the Administering Authority. When contaminated soil is stored at such facility pending treatment, storage is to be undertaken according to condition 6.

(b) *Other treatment sites*

(i) *Soil remediation and validation report.*

The permit holder must provide a report of the soil remediation including chemical test results that validate that the contamination has been lowered to levels agreed with the Administering Authority. The report must provide evidence that the land underlying the treatment activity is not affected by contamination.

(ii) *Environmental harm.*

Treatment activities must be carried out to ensure that environmental harm is not caused and that contaminants including treatment agents are not released from the site by wind, stormwater or as offensive or noxious gases. The requirements of condition 6 also apply.

(c) *Final disposal*

When soil contamination has been reduced to levels acceptable to the Administering Authority, the soil may be disposed of as general fill unless otherwise specified in Schedule 1. The location of the final disposal site of the soil is to be identified after treatment by written advice to the Administering Authority.

****End of Document****

Allen Johns

From: Allen Johns
Sent: Wednesday, 15 October 2008 4:00 PM
To: 'lochlan.o'sullivan@brisbane.qld.gov.au'
Cc: 'ray.moore@opus.com.au'
Subject: FW: MCU industrty extension at Lot 1176 on SP15311 Council Ref: A00209354

Importance: High

From: Allen Johns
Sent: Wednesday, 15 October 2008 3:56 PM
To: 'ray.moore@opus.com.au'; 'lachlan.o'sullivan@brisbane.qld.gov.au'
Subject: MCU industrty extension at Lot 1176 on SP15311 Council Ref: A00209354
Importance: High

Dear Ray,

In regards to contaminated land response for the above development please find the following.

The EPA – Contaminated Land Unit has no concerns for the above application because the application is exempted under item 5(b), Table 2, Part 1, Schedule 8 of the integrated Planning act 1997.

If you have nay questions please call.

Allen Johns
Principal Environmental Officer
Southern Region - Environmental Operations
Environmental Operations Division
3224 5099

RTI DL RELEASE - EHP

Allen Johns

From: Allen Johns
Sent: Wednesday, 15 October 2008 3:56 PM
To: 'ray.moore@opus.com.au'; 'lachlan.o'sullivan@brisbane.qld.gov.au'
Subject: MCU industry extension at Lot 1176 on SP15311 Council Ref: A00209354
Importance: High

Dear Ray,

In regards to contaminated land response for the above development please find the following.

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If you have nay questions please call.

Allen Johns
Principal Environmental Officer
Southern Region - Environmental Operations
Environmental Operations Division
3224 5099

RTI DL RELEASE - EHP

Memorandum

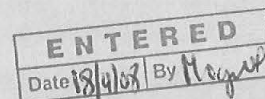


Queensland Government
Environmental Protection Agency
 Incorporating the
Queensland Parks and Wildlife Service

Enquiries
 Telephone
 Your reference
 Our reference

Miguel Zavaleta
 (07) 3225 1080

Appl'n No.: 29434 Part 2 File No: BNE20825



Wednesday, 16 April 2008

To: Scott Robinson, Project Director

From: Kim Barry – Team Leader – Contaminated Land Unit

Subject: Development description: Material Change of Use (Industry Extension) for the land described as Lot 1176 on SP153111 located at 140 Holt Street, Pinkenba - Brisbane City Council: Council Application No.: A002029354 - RCU No.: n/a &/or
ECOTRACK Project No: 323863

Dear Scott,

The EPA – Contaminated Land Unit has no concerns for the above application because the application is exempted under item 5(b), Table 2, Part 1, Schedule 8 of the *Integrated Planning Act 1997*.

~ End of Response ~

It would be appreciated if you could provide a signed hard copy of the final referral agency response for our records

Should you require any further information please contact the above officer on the telephone number or e-mail address provided.

s.73

Kim Barry
 Team Leader (Contaminated Land Unit)
 Environmental Services

IDAS APPLICATIONS CHECKLIST

APPLICATION NUMBER: 29434 Part 2

FILE NUMBER: BNE 20825

REFERRAL DATE: 070408

INFORMATION REQUEST DUE: 210408

29/04/08

Notifiable Activity 23
is carried out on

☒ ACKNOWLEDGEMENT NOTICE

DA for ERA 25 was
issued by EPA

IPA FORMS

Project Ref 323863

Permit Ref IPCE01001908

Project Director
Paul Nielson

☒ COMMON DETAILS - PART A

☒ OWNER'S CONSENT

☒ PART D - MATERIAL CHANGE OF USE

AND OR

☐ PART F - RECONFIGURATION OF A LOT

☒ PART N - CONTAMINATED LAND requested 20/3/08

☒ IDAS ASSESSMENT CHECKLIST

☐ REFERRAL COORDINATION REQUIRED

s.73

Release

29433 - BNE 20825 NA29
29434 - BNE 20825 NA29

RTI DL RELEASE - EHP

Release

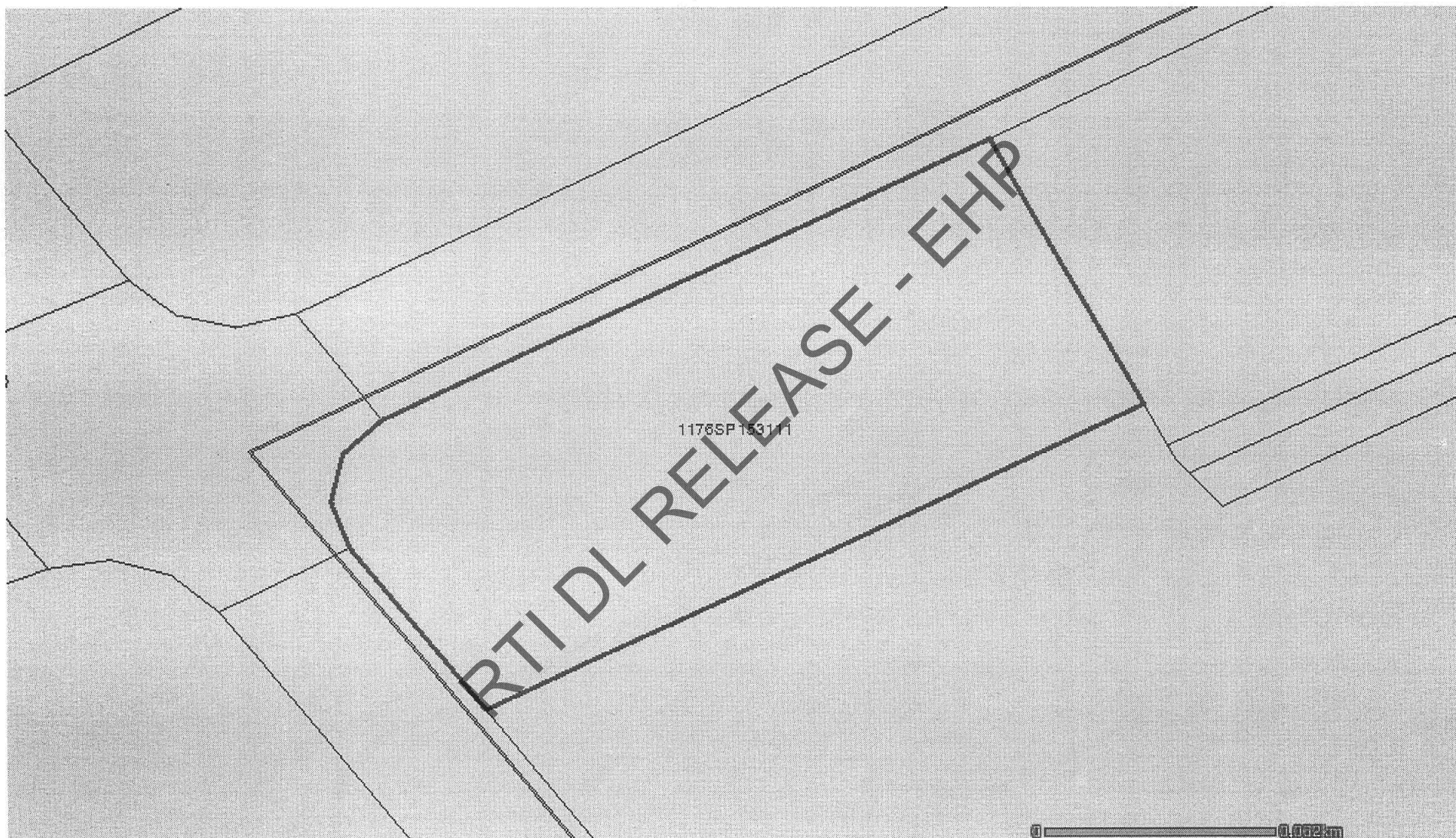
ecomaps

16/04/2008

Queensland Environmental Protection Agency

ecomaps Screen Plot

Page 1 of 2

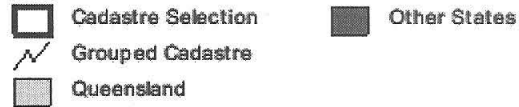


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Release

ecomaps

16/04/2008



ecomaps Screen Plot

ecomaps Layers

Queensland Environmental Protection Agency

Page 2 of 2

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RTI DL RELEASE - EIP

2 April 2008

Administration Officer (Contaminated Land Unit)
Environmental Services
Environmental Protection Agency
GPO Box 2771
BRISBANE QLD 4001



6064.005
RRM/CJW

Dear Miss Thomson

DEVELOPMENT APPLICATION (A002029354)
140 Holt Street, Pinkenba

Further to your letter of 20 March 2008, enclosed is IDAS Application Form Part N. Also enclosed for your information is a further Acknowledgment Notice from Brisbane City Council of 25 March.

Yours sincerely

s.73

Ray Moore
Planning Consultant

Encl IDAS Application Form Part N
Notice from Brisbane City Council

cc Mr Lachlan O'Sullivan
Mr John Confessore



RTI DL RELEASE - EHP

~~BNE 28856~~
BNE 20825

ASSOCIATION OF CONSULTING
ENGINEERS AUSTRALIA
MEMBER



G:\project\6064 Inga\Admin\6064.005.doc

Opus International Consultants (PCA) Ltd
Toowoomba Office

12-494

2 Russell Street, Toowoomba
PO Box 2279, Toowoomba, Queensland 4350
Australia
File D_BNE20825 Vol 3a_12-058

Telephone: 07-4639 9500
Facsimile: 07-4639 9599
Website: www.opus.com.au

Page 38 of 214

Form 1 Development Application

idas

Part N

Contaminated land

Nature of the application and contamination

1. What is the nature of the application and the nature of the contamination on the premises? (Tick applicable box/es)

Nature of the application	Nature of the contamination
☒ Material change of use	☒ (i) All or part of the premises is on the Environmental Management Register
☐ Reconfiguring a lot	- (ii) All or part of the premises is on the Contaminated Land Register
	☒ (iii) All or part of the premises is currently used for, or if there is no existing use, was last used for -
	☒ (a) a notifiable activity
	☐ (b) an industrial activity and the proposed use is for a child care centre, educational, recreational or residential purpose (including a caretaker residence on industrial land)
	☐ (iv) In an area for which an 'area management advice' has been given for natural mineralisation or industrial activity and the proposed use is for a child care centre, educational, recreational or residential purpose (including a caretaker residence on industrial land)
	☐ (v) In an area for which an 'area management advice' has been given for unexploded ordnance

Mandatory information

2. Confirm the following mandatory information accompanies this application.

	Confirmation of lodgement	Method of lodgement
(i) Plans showing where any notifiable activities, hazardous contaminant or potentially contaminated activity has occurred on the premises	☒ Confirmed	MAIL
(ii) If the application involves a material change of use from an industrial use to a more sensitive use (e.g. child care, educational, recreational or residential purpose, including a caretaker residence on industrial land), a detailed site history outlining previous potentially contaminated uses on the premises	☐ Confirmed ☐ Not applicable	

OFFICE USE ONLY

Date received		Reference numbers	
---------------	--	-------------------	--

Advice for completing Part N

General advice

- Part A must also be completed for all IDAS development applications.
- The applicant is responsible for answering all questions fully and correctly, unless following a response there is a statement to go directly to another question.
- For further information about completing this form go to -
 - [IDAS Guide 5 \(Contaminated land matters\)](#)
 - [EPA contaminated land website](#).



Release

COPY



Brisbane City Council

Development Assessment Branch
Customer & Community Services Division
GPO Box 1434
Brisbane QLD 4001

Telephone 07 3403 8888

25 March 2008

Industrial Galvanizers Corporation Pty Ltd
C/- Opus International Consultants (PCA) Ltd
PO Box 2279
TOOWOOMBA QLD 4350

Project No.	
REL	AD
RRM	

Permit Type: DA - Carry Out Building Work, DA - Material Change of Use
Description of Proposal: Industry (Extension)
Address of Site: 140 Holt St Pinkenba Qld 4008
Real Property Description: Lot(s) 1176 on Survey Plan 153111
Application Reference: A002029354

Dear Sir/Madam

RE: Acknowledgment notice under Section 3.2.3 of the "Integrated Planning Act 1997":
Development Application

I refer to the above application that the Council received on 25 February 2008 and advise that I have been appointed as the Council's Assessment Manager for the application. Please find attached the acknowledgment notice details in accordance with the requirements of Section 3.2 of the "Integrated Planning Act 1997". I would appreciate it if you would check the attached details and contact me if any of these are incorrect or incomplete.

I anticipate that I will be able to advise you of the progress of your application within 10 business days.

The team has also identified a number of issues that require comment from the agencies listed on the attached acknowledgment notice details.

The Senior Urban Planner, Development Assessment is the delegate appointed by Council to determine this application.

Ref: A002029354

1 of 5

COPY

Acknowledgement Notice Details
(Section 3.2.3 of the "Integrated Planning Act 1997")

APPLICANT DETAILS:

Industrial Galvanizers Corporation Pty Ltd
C/- Opus International Consultants (PCA) Ltd
PO Box 2279
TOOWOOMBA QLD 4350

SITE:

Address of Site:

140 Holt St Pinkenba Qld 4008

Real Property Description:

Lot(s) 1176 on Survey Plan 153111

City Plan Area Classification:

CP-GI

Name of Owner:

Industrial Galvanizers Corporation Pty Ltd

Name of Ward:

Hamilton

APPLICATION:

Aspects of development and development approvals sought:

- Carry Out Building Work - Preliminary Approval under s3.1.5 - Industry
- Material Change of Use - Development Permit - Industry

Description of Proposal:

Industry (Extension)

Council file reference:

A002029354

Lodgement date:

25 February 2008

CODE OR IMPACT ASSESSMENT:

In accordance with Section 3.2.3(2) of the "Integrated Planning Act 1997", Council advises that the application will be assessed using Impact Assessment Procedures.

COPY**PUBLIC NOTIFICATION REQUIRED:**

Public notification is to be carried out in accordance with the requirements of Section 3.4.4(1) of the "Integrated Planning Act 1997". You are therefore required to:

- (a) Publish a notice at least once in a newspaper circulating generally in the locality of the land; and
- (b) Place a notice on the land in the way prescribed under the regulations; and
- (c) Give notice to the owners of all land adjoining the land.

The notice must describe the development proposal in PLAIN ENGLISH so that the public is aware of the nature of the application. The use of only planning scheme definitions will not be sufficient. Where appropriate, indicate the proposed scale or intensity of development eg. Number of Dwelling Units proposed in a Multi-Unit Dwelling.

The notice must state:

- (1) The application can be viewed at www.brisbane.qld.gov.au/development. Alternatively, the application can be viewed at the self-help terminals in the Central Business Centre or at one of the Regional Business Centres; and
- (2) The application number A002029354

Council requests that the notice placed on the land under (b) be accompanied by a drawing or sketch of the proposed development mounted on a similar notice board.

The notification period for this application is to be not less than 15 business days starting on the day after the last action under Section 3.4.4(1) of the Act is carried out.

REFERRAL AGENCIES:

There were no Advice Agencies for this application.

The following were Concurrence Agencies for this application:

E.P.A. - Contaminated Land Unit
GPO Box 2771
BRISBANE QLD 4001
Telephone: (07) 3225 1827

Environmental Protection Agency - Ecoaccess Customer Service Unit
PO Box 15155
CITY EAST QLD 4002
Telephone: 1300 368 326
Fax: (07) 3115 9600
Email: eco.access@epa.qld.gov.au

There were no State Agencies for this application.

You are therefore required (under Section 3.3.3 of the "Integrated Planning Act 1997") to forward a copy of this acknowledgment notice and your application to the above addresses (where agencies are external to Council) together with any applicable fee.

INFORMATION REQUEST:

COPY

The Council may make an 'information request' under Section 3.3.6 of the "Integrated Planning Act 1997". We will notify you within 10 business days whether or not further information is required.

RTI DL RELEASE - EHP

FAXED
2013/08Queensland
GovernmentEnquiries
Telephone
Your reference
Our referenceBelinda Thomson
(07) 3227 7370

Appl'n No: 29434 Part: 2 File No.: BNE20825

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service
20 March 2008

Industrial Galvanizers Corporation Pty Ltd
C/- Ray Moore
Opus International Consultants (PCA) Ltd
PO Box 2279
TOOWOOMBA QLD 4350

Dear Mr Moore,

RE: Application (No. A002029354) for development approval for assessable development (Material Change of Use) to be carried out at 140 Holt Street, Pinkenba (Lot 1176 on SP153111).

On 17th March 2008, the Environmental Protection Agency – Contaminated Land Unit (EPA-CLU) has received an incomplete development application in relation to the above site.

Please note that it is a requirement under Section 3.3.3 of the *Integrated Planning Act 1997* (*IP Act*) that, as a concurrence agency, the EPA-CLU be provided with a copy of the application (unless the referral agency already has a copy of the application); and, a copy of the acknowledgement notice, for assessment.

Under the above circumstances, and, pursuant to section 3.3.3 (1) of the *IP Act*, the EPA-CLU advises that the material submitted is not considered a properly made application and the information to be submitted should include but not be limited to:

- ☐ A council acknowledgement notice on letterhead
- ☒ **IDAS application forms (Part N);** (IDAS forms can be downloaded from **Local Government and Planning website:**
<http://www.ipa.qld.gov.au/idas/idasformsdevform1.asp>;
- ☐ Details of the proposal (including plans, any reports submitted to council, etc).

In accordance with the Section 3.2.12(2)(a) *IP Act* this application will lapse if you do not comply with Section 3.3.3 *IP Act* within the 3 months of the acknowledgement notice issued date.

Should you require any further information please do not hesitate to contact the above officer on the telephone number provided.

Yours sincerely

s.73

Belinda Thomson
Administration Officer (Contaminated Land Unit)
Environmental Services
Environmental Protection Agency

Cc Brisbane City Council
GPO Box 1434
BRISBANE QLD 4001
(Attn: Lachlan O'Sullivan)

RTI DL RELEASE - EHP

13 March 2008

EPA – Contaminated Land Unit
GPO Box 2771
BRISBANE QLD 4001



6064.003
RRM/CJW

Dear Sir

DEVELOPMENT APPLICATION
Industry Extension
140 Hold Street, Pinkenba
Lots 1176 on SP153111



Enclosed is a copy of Brisbane City Council's Acknowledgement Notice plus a copy of the Development Application as required by the Council - for your assessment as a Concurrence Agency.

Yours sincerely

s.73

Ray Moore
Planning Consultant

Encl copy of BCC Acknowledgement Notice
copy of Development Application

cc Mr J Confessore

RTI DL RELEASE - EPR

17 MAR 2008

ASSOCIATION OF CONSULTING
ENGINEERS AUSTRALIA
MEMBER



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Release



Project No.	
6064	
AEL	
RRM	

Brisbane City Council

Development Assessment Branch
Customer & Community Services Division
GPO Box 1434
Brisbane QLD 4001

Telephone 07 3403 8888

11 March 2008

Industrial Galvanizers Corporation Pty Ltd
C/- Opus International Consultants (PCA) Ltd
PO Box 2279
TOOWOOMBA QLD 4350

Permit Type: DA - Carry Out Building Work, DA - Material Change of Use
Description of Proposal: Industry (Extension)
Address of Site: 140 Holt St Pinkenba Qld 4008
Real Property Description: Lot(s) 1176 on Survey Plan 153111
Application Reference: A002029354

Dear Sir/Madam

RE: Acknowledgment notice under Section 3.2.3 of the "Integrated Planning Act 1997":
Development Application

I refer to the above application that the Council received on 25 February 2008 and advise that I have been appointed as the Council's Assessment Manager for the application. Please find attached the acknowledgment notice details in accordance with the requirements of Section 3.2 of the "Integrated Planning Act 1997". I would appreciate it if you would check the attached details and contact me if any of these are incorrect or incomplete.

I anticipate that I will be able to advise you of the progress of your application within 10 business days.

The team has also identified a number of issues that require comment from the agencies listed on the attached acknowledgment notice details.

The Senior Urban Planner, Development Assessment is the delegate appointed by Council to determine this application.

17 MAR 2008

Ref: A002029354

1 of 4

Please contact me on the telephone number below during normal business hours if you have any queries regarding this matter.

Yours sincerely,

s.73

Lachlan O'Sullivan
Urban Planner, Development Assessment
Development Assessment North BSQ
3403 5698
Development Assessment Branch

RTI DL RELEASE - EHP

Acknowledgement Notice Details
(Section 3.2.3 of the "Integrated Planning Act 1997")

APPLICANT DETAILS:

Industrial Galvanizers Corporation Pty Ltd
C/- Opus International Consultants (PCA) Ltd
PO Box 2279
TOOWOOMBA QLD 4350

SITE:

Address of Site:

140 Holt St Pinkenba Qld 4008

Real Property Description:

Lot(s) 1176 on Survey Plan 153111

City Plan Area Classification:

CP-GI

Name of Owner:

Industrial Galvanizers Corporation Pty Ltd

Name of Ward:

Hamilton

APPLICATION:

Aspects of development and development approvals sought:

- Carry Out Building Work - Preliminary Approval under s3.1.5 - Industry
- Material Change of Use - Development Permit - Industry

Description of Proposal:

Industry (Extension)

Council file reference:

A002029354

Lodgement date:

25 February 2008

CODE OR IMPACT ASSESSMENT:

In accordance with Section 3.2.3(2) of the "Integrated Planning Act 1997", Council advises that the application will be assessed using Impact Assessment Procedures.

PUBLIC NOTIFICATION REQUIRED:

Public notification is to be carried out in accordance with the requirements of Section 3.4.4(1) of the "Integrated Planning Act 1997". You are therefore required to:

- (a) Publish a notice at least once in a newspaper circulating generally in the locality of the land; and
- (b) Place a notice on the land in the way prescribed under the regulations; and
- (c) Give notice to the owners of all land adjoining the land.

The notice must describe the development proposal in PLAIN ENGLISH so that the public is aware of the nature of the application. The use of only planning scheme definitions will not be sufficient. Where appropriate, indicate the proposed scale or intensity of development eg. Number of Dwelling Units proposed in a Multi-Unit Dwelling.

The notice must state:

- (1) The application can be viewed at www.brisbane.qld.gov.au/development. Alternatively, the application can be viewed at the self-help terminals in the Central Business Centre or at one of the Regional Business Centres; and
- (2) The application number A002029354

Council requests that the notice placed on the land under (b) be accompanied by a drawing or sketch of the proposed development mounted on a similar notice board.

The notification period for this application is to be not less than 15 business days starting on the day after the last action under Section 3.4.4(1) of the Act is carried out.

REFERRAL AGENCIES:

There were no Advice Agencies for this application.

The following were Concurrence Agencies for this application:

E.P.A. - Contaminated Land Unit
GPO Box 2771
BRISBANE QLD 4001
Telephone: (07) 3225 1827

There were no State Agencies for this application.

You are therefore required (under Section 3.3.3 of the "Integrated Planning Act 1997") to forward a copy of this acknowledgment notice and your application to the above addresses (where agencies are external to Council) together with any applicable fee.

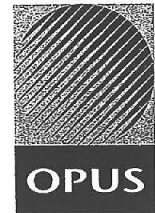
INFORMATION REQUEST:

The Council may make an 'information request' under Section 3.3.6 of the "Integrated Planning Act 1997". We will notify you within 10 business days whether or not further information is required.

21 February 2008

Chief Executive Officer
Brisbane City Council
GPO Box 1434
BRISBANE QLD 4001

Project No. 6064	
RRM	
AFL	09



6064.002
RRM/KAC

Attention Development Assessment Team – Brisbane North

Dear Sir

**MATERIAL CHANGE OF USE
Minor Building Extensions and Environmental Upgrade
Industrial Galvanizing Facility
140 Holt Street, Pinkenba**

Enclosed is Development Application and IDAS forms A, D, G and Checklist for the above application plus the owner's consent.

Also enclosed is our client's cheque for \$3,838.00 being the required application fee.

As will be seen from the application, the application is for minor building works and an environmental upgrade required as a result of an environmental evaluation and a proposed Environmental Management Program.

It would be appreciated if the assessment and approval could be expedited as soon as possible to allow the upgrade to proceed.

Yours sincerely

s.73

**Ray Moore
Planning Consultant**

Encl D/A
IDAS forms
Checklist
Cheque
Owner's Consent

Cc Industrial Galvanizers Corporation Pty Ltd

ASSOCIATION OF CONSULTING
ENGINEERS AUSTRALIA
MEMBER



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21 February 2008

Industrial Galvanizers Corporation Pty Ltd
PO Box 6220
MT GRAVATT QLD 4122



6064.002
RRM/KAC

Copy for your information.

Yours sincerely

s.73

Ray Moore
Planning Consultant

Encl Copy Letter – Brisbane City Council
Copy of Report

RTI DL RELEASE - EHP

ASSOCIATION OF CONSULTING
ENGINEERS AUSTRALIA
MEMBER



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Form 1 Development Application

idas

Part A

Common details

Identification of the premises the subject of the application

1. Can any part of the premises be identified by a street address or lot on plan description?

☐ No - Answer Q1(a)

☒ Yes - Complete Table B and answer Q1(b) and Q1(c)

Table B

Unit number	Street number	Street name	Official suburb /locality name	Post code	Lot on plan description (place each description in a separate row)			Local government area
					Lot number	Plan type (e.g. RP, SP)	Plan number	
	140	Holt Street	Pinkenba	4006	L1176	SP	153111	Brisbane City

1(b). Can the address be further described by shop/tenancy number or storey/level?

☒ No

☐ Yes - Complete Table C

1(c). Is any part of the premises strategic port land under the *Transport Infrastructure Act 1994*?

☒ No

☐ Yes - Complete Table D

2. Can the premises best be identified by coordinates (e.g. for development proposed in waters, or on a site within a large rural lot)?

☒ No

☐ Yes - Complete Table E

3. Are the premises within or adjacent to a water body or watercourse?

☒ No

☐ Yes - Complete Table F and answer Q3(a)

4. What is the total area of land that makes up the premises (i.e. the area covered by the application)?

Area of land above high water mark/outside watercourse			Area in a water body or watercourse		
19,410.00	☒ m ² ☐ hectares	(Tick applicable unit)		☐ m ² ☐ hectares	(Tick applicable unit)

Existing use of the premises

5. Are the premises currently used for any purpose?

☐ No

☒ Yes - Ensure details of any existing use of the premises are provided in plans and documentation submitted with this application, e.g. location and nature of existing uses, buildings, structures and services

6. Are there any existing easements on the premises (e.g. for vehicular access, electricity, overland flow)?

☒ No

☐ Yes - Complete Table H and ensure the location and dimensions of each easement are included in plans, submitted with the application

Proposal details

7. Are new uses proposed on the premises?

☒ No

☐ Yes - Provide details in Table I

8. Are new buildings or structures proposed to be erected on the premises?

☐ No

☒ Yes - Ensure the nature, location and dimensions of the proposed new buildings, structures or services are included in plans, submitted with the application

Applicant details

9. Who is the applicant for the application?

Company/organisation name (if applicable)				Industrial Galvanizers Corporation Pty Ltd	
Individual/ contact person details					
Title	Mr	First name	Ray	Last name	Moore
Postal address		C/- Opus International Consultants (PCA) Ltd, PO Box 2279, Toowoomba Qld 4350			
Contact telephone number		07 4639 9500			
Mobile phone number					
Facsimile number		07 4639 9599			
e-mail address		ray.moore@opus.com.au			

Owner's consent and resource entitlement

10. Does the application involve a State-owned resource prescribed by schedule 10 of the *Integrated Planning Regulation 1998* (IP Reg) or any other regulation?

☒ No

☐ Yes - Complete a new Table J for each State-owned resource and submit, with the application evidence of resource allocation or entitlement

11. Does the application involve land other than State-owned land (i.e. privately owned land) and require owner's consent?

☐ No

☒ Yes - Complete Table K and submit, with the application, written documentation of all owner's consent

Table K

	Owner name/s	Street address or lot on plan description	Date written consent was obtained
1	Industrial Galvanizers Corporation Pty Ltd	140 Holt Street, Pinkenba	04/02/2008

Mandatory attachments and supporting information

12. What are the other parts of IDAS Application Form 1 submitted with this application, and the other mandatory attachments and supporting information accompanying this application, not identified in those other form parts?

	Description of attachment or information (e.g. Part C of Form 1, owner's consent, evidence of resource allocation/entitlement, plans, drawings, reports)	Title (if applicable) (e.g. General Authority, James Street Traffic Report)	Date	Method of delivery to assessment manager
1	Part D and G	-	22-Feb-2008	over the counter
2	Planning Report	-	22-Feb-2008	over the counter
3	Owners Consent	-	22-Feb-2008	over the counter

Portable Long Service Leave (PLSL) levy for building and construction work

13. Is payment of a Portable Long Service Leave (PLSL) levy required for building and construction work before a development permit for the application can be given?

☒ No

☐ Yes

13(a). Indicate the reason PLSL is not applicable

- ☐ The application is not for building and construction work under the *Building and Construction Industry (Portable Long Service Leave) Act 1991, section 3AA* (e.g. the application is only for a change of use or for the following types of work **carried out solely for farming purposes**: land clearing, site preparation, earthworks, fences, fodder harvesting, clearing of encroaching vegetation, clearing of regrowth, thinning vegetation or controlling weeds or pests); or
- ☒ All costs, that relate to the work both directly and indirectly, are less than \$80,000, inclusive of GST; or
- ☐ The work is being carried out under an owner-builder permit issued under the *Queensland Building Services Authority Act 1991*- Complete and submit a QLeave Notification and Payment Form (no payment required if owner-builder permit number stated). The receipted form must be signed by the assessment manager before a development permit can be given

OFFICE USE ONLY

Date Received

Reference Numbers

FOR COMPLETION BY ASSESSMENT MANAGER

Is a QLeave Notification and Payment Form required for this application?

☐ No

☐ Yes - Complete Table M

NOTIFICATION OF ENGAGEMENT OF PRIVATE CERTIFIER

To

Council

I have been engaged as the private certifier for the building work referred to in this application

Date of engagement	Accreditation number	Name	BSA Certification number	Building classification

Advice for completing Part A

General advice

- Under IPA, section 3.2.1(7) mandatory requirements must be correctly completed for a development application to be a 'properly made application'. The assessment manager may refuse to receive an application that is not properly made.
- Completion of Part A of Form 1 is required for all development applications. Other mandatory requirements, applicable to certain types of applications, are stated in other Parts of Form 1.
- The IDAS Assessment Checklist must also be completed for all development applications, other than those requiring assessment against the *Building Act 1975* only.
- For further information about completing this form go to [IDAS Guide 1 \(Making and IDAS application\)](#).

Q1	<ul style="list-style-type: none"> • The premises, the subject of the application, may be identified in a number of ways. Street address and lot on plan are most common. Lot on plan details can be obtained from title documents or through the local government. • The term 'premises' is defined by the IPA, schedule 10 to mean a building or other structure, and land (whether or not a building or other structure is situated on the land). The term 'land' is also defined to include the estate in, on, over or under the land. • A description of the land is not required if the application relates to a mobile and temporary Environmentally Relevant Activity (ERA) only. Instead complete Q1(a). • StrategicPortLand is within a local government area but a local government's planning scheme does not apply on Strategic Port Land. StrategicPortLand is declared under the <i>Transport Infrastructure Act 1994</i>. For further information go to IDAS Guide 11 (Development on strategic port land) and the Queensland Transport (Ports) website.
Q2	<ul style="list-style-type: none"> • Coordinates often provide the best means of accurately identifying the location of development proposed in waters, or on a relatively small development site distant from property boundaries. Sufficient coordinates need to be provided to identify the boundary of the premises the subject of the application. • Eastings and northings using GDA94 datum is preferred, but longitude and latitude and other (specified) datum may be provided.
Q3	<ul style="list-style-type: none"> • A single development application may involve land both within and outside waters. • A 'watercourse' is defined by the <i>Water Act 2000</i>, schedule 4 and generally means a river, creek or stream upstream of the point to which high spring tide ordinarily flows and reflows (unless a regulation has declared a limit for the watercourse). Generally, a watercourse is in the jurisdiction of the Department of Natural Resources and Water. • 'Tidal water' is defined in the <i>Coastal Protection Act 1995</i> (Schedule) and 'tidal area' for a local government and for strategic port land is defined in the IPA (schedule 10). Generally, the area below 'high-water mark' (defined by the Coastal Protection Act in relation to high water mark at spring tides) establishes the boundary of a tidal area. • Land below high water mark is not within a local government's area unless provided for under the <i>Local Government Act 1993</i>. Unless otherwise provided for by legislation, a local government has no jurisdiction below high water mark. A tidal area for strategic port land is within the jurisdiction of the relevant port authority, while the Environmental Protection Agency generally has jurisdiction for a local government tidal area. However, the IPA gives local governments jurisdiction for assessing and deciding applications for prescribed tidal works within the tidal area for a local government, and the planning scheme may be applied to that assessment (to the extent provided for in the code for prescribed tidal work).
Q9	<ul style="list-style-type: none"> • The applicant need not be the owner of the land. However, the applicant is responsible for ensuring the information provided on the Form 1 Application Form (including this Part and any other relevant Part) is correct. • If the applicant is a company or organisation, a contact person must be nominated. • Evidence of this consent may need to be provided before the application will be accepted as properly made by the Assessment Manager, during the processes of the application or in the event of an appeal about the outcome of the application.
Q10	<ul style="list-style-type: none"> • Section 3.2.1(5) of the IPA requires evidence of resource entitlement be given for applications involving a prescribed State resource. Schedule 10 of the <i>Integrated Planning Regulation 1998</i> (IPR) prescribes the State resources, including State-owned land, where evidence is required to be given, and the evidence required to support the application. Link to Integrated Planning Regulation • Section 3.2.1(10)(a)(ii) states an application cannot be taken to be properly made without the required evidence.. • Evidence may be required from more than one Department responsible for a State-owned resource, e.g. from the Environmental Protection Agency for quarry material below high water mark, and the Department of Natural Resources and Water in relation to the State-owned land above high water mark. • In the case of applications involving the taking or interfering with water under the Water Act, the development application may be made at the same time as the request for resource entitlement. • In the case of State-controlled roads, a resource entitlement is not required for an activity that is exempt ancillary works or encroachment (identified by gazette notice under the <i>Transport Infrastructure Act 1994</i>, section 50), or if the activity requires referral to the Department of Main Roads.

Q11	<ul style="list-style-type: none"> Section 3.2.1(3) of the IPA prescribes that an application must contain, or be supported by, the written consent of the land owner/s, if the application involves any of the following: <ul style="list-style-type: none"> (i) a material change of use; (ii) reconfiguration of a lot; (iii) work on land below high-water mark and not within a canal as defined under the <i>Coastal Protection and Management Act 1995</i>; or (iv) work on rail corridor land defined under the <i>Transport Infrastructure Act 1994</i>. 'Owner' for the purpose of a lodging an IDAS development application means the person at the time of lodging the application, entitled to receive the rent for the land (or would be entitled to receive the rent for it if it were let to a tenant at a rent). Owner's consent is not required for a mobile and temporary ERA.
Q12	Only information not identified in other Parts of Form 1 needs to be listed in this section of Part A.
Q13	<ul style="list-style-type: none"> The Building and Construction Industry Portable Long Service Leave Scheme provides long service leave entitlements to workers in the building and construction industry who would be unlikely to accrue enough service with one employer to qualify for long service leave. To fund the scheme, a levy is collected on all building and construction work carried out in Queensland where the total cost of the work, whether direct or indirect, is \$80,000 or more inclusive of GST. This amount and other prescribed percentages and rates for calculating the levy are stated in the <i>Building and Construction Industry (Portable Long Service Leave) Regulation 2002</i>. Included in the amount collected by QLeave is the Workplace Health and Safety Fee and the Building and Construction Industry Training Levy. The <i>Building and Construction Industry (Portable Long Service Leave) Act 1991</i> (PLSL Act) defines the building and construction industry for the purposes of the levy and includes, for example, renovating, relocating, constructing, altering, demolishing, maintaining or repairing buildings, pools, roads, jetties, pipelines, fences or earthworks, and works for subdividing, irrigating or draining land. The PLSL Act requires the portable long service leave levy (PLSL levy) be paid before the assessment manager may give a development permit for certain building or operational work. The assessment manager must sight an approved form issued by QLeave advising of the status of the payment of the levy. Building and Construction Industry Notification and Payment Forms are available from any Queensland post office or agency, on request from QLeave, or can be completed on the QLeave website at www.qleave.qld.gov.au For further information contact QLeave (Tel: 1800 803 481 Web: www.qleave.qld.gov.au)

Privacy Statement

The information collected on Form 1 will be used by the Department of Local Government, Planning, Sport and Recreation in accordance with the processing and assessment of your Application. Your personal details will not be disclosed for a purpose outside of the IDAS process, except where required by legislation (including the Freedom of Information Act 1992) or as required by Parliament. This information may be stored in a Department of Local Government, Planning, Sport and Recreation database. The information collected will be retained as required by the Public Records Act 2002. For further information on your privacy, contact the Privacy Contact Officer for the Department of Local Government, Planning, Sport and Recreation at (07) 3237 1860.

Proposal ID

Form 1 Development Application

idas

Part D*Material change of use assessable against a planning scheme***Planning scheme identification**

1. How is the premises identified / zoned in the applicable planning scheme?

	Each lot making up the premises	List of applicable zone/precincts/areas	List of applicable overlays
1	Lot 1177 SP153111	General Industry	-----

Nature of the material change of use (MCU)

2. Is the application seeking approval for more than one MCU on the premises?

- ☒ No - Complete Table A
- ☐ Yes - Complete a new Table A for each proposed MCU

Table A

- (i) How is the proposed use defined in the applicable planning scheme? Also provide applicable details of the proposed use.

Planning scheme definition	Explanation of the proposed use	Number of dwelling / tenancy units (if applicable)	Days and hours of operation (if applicable)	Number of employees (if applicable)
General Industry Schedule 2	Small extension of existing use			

- (ii) What is the nature of the material change of use?

- ☐ Start of a new use of the premises
- ☒ A material change in the intensity or scale of the use of the premises - Complete Table A(a)
- ☐ The re-establishment on the premises of a use that has been abandoned

Table A(a)

Intensity and scale of the current use	Extent of change of intensity and scale (e.g. additional 100 square metres of floor area, additional 2 dwelling units)
Full Galvanizing Plant	Minor building works involving: roof coverage of small area of uncovered prefabrication area; a new small area of fabrication area; a small storage shed; and a storm water drainage update.

- (iii) What type of approval is being sought?

- ☒ Development Permit
- ☐ Preliminary Approval

- (iv) Is there a current Preliminary Approval for this use on the premises?

- ☒ No
- ☐ Yes - Complete Table A(b)

- (v) Does the proposed use involve the
- reuse of existing buildings**
- on the premises?

- ☒ No
- ☐ Yes - Complete Table A(c) and submit, with the application, plans showing the size and location of the buildings to be reused

(vi) Does the proposed use involve **new building work** on the premises?

☐ No

☒ Yes - Complete Table A(d) and submit, with the application, plans showing the size and location of the proposed new building work

Table A(d)

Proposed floor area

New Storage Shed - 72m²; New area to be covered - 253m²; roof cover

Proposed site cover

Minimal

Proposed maximum number of storeys

1

Proposed maximum height above natural ground level

13m

(vii) Does the proposed use involve the **reuse of other existing works** on the premises?

☒ No

☐ Yes - Complete Table A(e) and submit, with the application, plans showing the nature and location of the works to be reused

(viii) Does the proposed use involve **new operational work** on the premises?

☒ No

☐ Yes - Complete Table A(f) and submit, with the application, plans showing the nature and location of the proposed new operational works

Mandatory Information

3. Confirm that the following mandatory information accompanies this application.

	Confirmation of lodgement	Method of lodgement
For all applications		
(i) Plans showing the nature and location of the proposed use on the premises and a statement about the intensity and scale of the proposed use (e.g. number of visitors, number of seats, capacity of storage area)	☒ Confirmed	
When the application involves reuse of existing buildings		
(ii) Plans showing the size and location of the buildings to be reused	☐ Confirmed	
	☒ Not applicable	
When the application involves new building work		
(iii) Plans showing the size and location of the proposed new building work	☒ Confirmed	
	☐ Not applicable	
When the application involves reuse of other existing works		
(iv) Plans showing the nature and location of the works to be reused	☐ Confirmed	
	☒ Not applicable	
When the application involves new operational work		
(v) Plans showing the nature and location of the proposed new operational works	☒ Confirmed	
	☐ Not applicable	

OFFICE USE ONLY

Date received

Reference numbers

Advice for completing Part D

General advice

- Part A must also be completed for all IDAS development applications.
- All questions must be answered unless following a response there is a statement to go directly to a particular question.

Table A A development permit authorises development to occur, while a preliminary approval is a step in the approval process and does not authorise development to occur.

Proposal ID



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Form 1 Development Application

idas

Part G**Environmentally Relevant Activity (ERA)**
(Other than a petroleum activity or a mining activity)

Nature of the proposed ERA and type of approval sought

1. What is the nature of the proposed environmentally relevant activity (ERA) and what type of development approval is sought? - Complete a new Table A for each proposed ERA

Table A

(i)	ERA category	
(ii)	ERA number and name	
(iii)	Threshold	
(iv)	ERA Level	
(v)	Applicable annual fee (\$)	
(iv)	Proposed scale/capacity	
(vii)	Type of approval sought	☐ Development Permit ☐ Preliminary Approval
(viii)	Is the proposed ERA mobile and temporary?	☐ No ☐ Yes

GENERATE ANOTHER TABLE A

Nature of any existing ERA

2. Are there any existing ERAs on or associated with the premises?
- ☐ No
- ☒ Yes - Complete a new Table B for each existing ERA

Table B

(i)	ERA category	25(c)
(ii)	ERA number and name	METAL SURFACE COATING
(iii)	Threshold	> 10,000 tpa < 30,000 tpa
(iv)	ERA Level	1
(v)	Existing scale/capacity	~ 20,000 tpa
(vi)	Is the ERA proposed to continue on site?	☒ Yes ☐ No

GENERATE ANOTHER TABLE B

Mandatory information

3. Confirm the following mandatory information accompanies this application.

	Confirmation of lodgement	Method of lodgement
About the subject land		
(i) A description of the existing environment (i.e. maps of the land and surrounding area)	☒ Confirmed	
(ii) Details of the distance to any watercourse, dam, bore etc, on or adjoining the premises	☐ Confirmed ☒ Not applicable	
(iii) Details of any flammable and combustible materials, chemicals or other hazardous substances currently stored on the premises	☒ Confirmed ☐ Not applicable	
(iv) Details of any acid sulfate soils within or adjoining the premises	☐ Confirmed ☒ Not applicable	
About the proposed ERA/s		
(v) A description of the activity (proposed operation and activities, discharge points, process details, etc)	☒ Confirmed	
(vi) Details of stormwater runoff management and disposal (e.g. stormwater management plans)	☒ Confirmed	
(vii) Details of waste produced, including solid and liquid waste (e.g. waste management / waste mineralisation plan, trade waste permit)	☒ Confirmed	
(viii) Details of contaminant release and the impacts on the receiving environment (e.g. discharge to waters, air, land; generation of noise; discharge of other contaminants)	☒ Confirmed	
(ix) Details of any flammable and combustible materials, chemicals or other hazardous substances proposed to be stored on the premises	☒ Confirmed ☐ Not applicable	
(x) Details of proposed hours of operation	☒ Confirmed	
(xi) Details of business trading name	☒ Confirmed	

OFFICE USE ONLY

Date received		Reference numbers		Cost code (Applicable to EPA only)	4026
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Advice for completing Part G

General advice	
<ul style="list-style-type: none"> Part A must also be completed for all IDAS development applications. All questions must be answered unless following a response there is a statement to go directly to a particular question. For further information about completing this form go to: <ul style="list-style-type: none"> IDAS Guide 4 (Environmentally relevant activities (ERAs)) IDAS Guide 7 (Preparing a proposal report) EPA ecoaccess website 	
Q1	<ul style="list-style-type: none"> Schedule 1 of the <i>Environmental Protection Regulation 1998</i> state the thresholds that apply to Level 1 and Level 2 ERAs. Schedules 1 and 6 of the regulation state the applicable fee. Link to Environmental Protection Regulation A development permit authorises development to occur, while a preliminary approval is a step in the approval process and does not authorise development to occur.



INDUSTRIAL GALVANIZERS (AUSTRALIA)

A Division of Industrial Galvanizers Corporation Pty. Ltd.
ACN 000 545 415 ABN 40 000 545 415

REMITTANCE ADVICE

Brisbane City Council
GPO Box 1434
BRISBANE 4001
QLD

002279

DATE	REFERENCE	INVOICE AMOUNTS	TOTAL DUE
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18/01/08	Invoice	APPLICATION FE	3,838.00
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RTI DL RELEASE - EHP

3,838.00



INDUSTRIAL GALVANIZERS (AUSTRALIA)

A Division of Industrial Galvanizers Corporation Pty. Ltd.
ACN 000 545 415 ABN 40 000 545 415



Australia and New Zealand Banking Group Limited
Hamilton, 115-117 Racecourse Road QLD

PAY **Brisbane City Council**

NOT NEGOTIABLE
FOR OR TO THE ACCOUNT OF
BRISBANE CITY COUNCIL

DATE **31. January 2008**

THE SUM OF DOLLARS

MILLIONS****	HUNDREDS OF THOUSANDS	TENS OF THOUSANDS	THOUSANDS	HUNDREDS	TENS	UNITS	CENTS
			THREE	EIGHT	THREE	EIGHT	00

\$

*****3,838.00

s.73

NOT
NEGOTIABLE

A/C PAYEE
ONLY

FOR AND ON BEHALF OF
Industrial Galvanizers Corporation Pty. Ltd.
ACN 000 545 415 ABN 40 000 545 415

INDUSTRIAL GALVANIZERS CORPORATION PTY. LTD.

A.C.N 000 545 415 A.B.N 40 000 545 415



Level 1, Building 10i, Technology Office Park, 107 Miles Platting Road, Eight Mile Plains, Queensland, 4113
PO Box 6220, Upper Mt Gravatt, Queensland, 4122 Australia
Telephone: +61 7 3457 8888 Facsimile: +61 7 3457 8899

4 February 2008

The Chief Executive Officer
Brisbane City Council
GPO Box 1434
BRISBANE QLD 4001

ATT: DEVELOPMENT ASSESSMENT TEAM

Dear Sir

**MATERIAL CHANGE OF USE
MINOR BUILDING EXTENSIONS AND ENVIRONMENTAL UPGRADE
INDUSTRIAL GALVANIZERS FACILITY - 140 HOLT STREET, PINKENBA QLD 4008**

Industrial Galvanizers Corporation Pty Ltd is the owner of the property at 140 Holt Street, Pinkenba Qld 4008. As a Director of Industrial Galvanizers Corporation Pty Ltd, I provide consent for the above Development Application to be submitted to the Brisbane City Council.

Yours faithfully
Industrial Galvanizers Corporation Pty Ltd

s.73

Sandy Robertson
Director



Peter Snel
Director



Form 1 Development Application

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IDAS

Assessment Checklist

IDAS Development Application Form 1 is the approved form for all development applications under the *Integrated Planning Act 1997*. Form 1 is made up of various Parts. Part A (Common details) of Form 1 must be completed for all applications. The relevance of other Parts of Form 1 depends on the nature of the application.

Form 1 also includes the IDAS Assessment Checklist, which is used to assist in determining State assessment and referral requirements, and the Parts of Form 1 relevant to the application.

Section 1 and all other relevant sections of the IDAS Assessment Checklist must be completed for all development applications except those for building work requiring assessment against the *Building Act 1975* only. For more advice refer to Part B of the IDAS Application Form.

Answering the following questions will assist you in determining which sections of the checklist must be completed for your application. If unsure, phone or visit your local government or log on to the IPA website for help.

Does the application seek approval to materially change use of the premises? <i>If yes - complete Section 2 of this checklist</i>	☒ Yes	☐ No
Does the application seek approval to reconfigure a lot? <i>If yes - complete Section 3 of this checklist and Part F of IDAS Application Form 1</i> <i>Assessment is by the local government</i>	☐ Yes	☒ No
Does the application seek approval to carry out operational work? <i>If yes - complete Section 4 of this checklist</i>	☐ Yes	☒ No
Does the application seek approval to carry out building work requiring assessment against the <i>Fisheries Act 1994</i> ? <i>If yes - complete Section 5 of this checklist</i>	☐ Yes	☒ No
Does the application seek approval to carry out building work requiring assessment against a local government planning scheme? <i>If yes - complete Part E of IDAS Application Form 1.</i> <i>Assessment is by the local government</i>	☐ Yes	☒ No
Does the application seek approval to carry out building work requiring assessment against the <i>Building Act 1975</i> ? <i>If yes - go to Appendix 1 of this checklist for advice on building referrals. Complete Part B of IDAS Application Form 1.</i> <i>Assessment is by a building certifier</i>	☐ Yes	☒ No

SECTION 1

Section 1 must be completed for all applications that require completion of the IDAS Assessment Checklist.

HERITAGE	
1.1	<p>Is any part of the proposal intended to be carried out on a registered place under the <i>Queensland Heritage Act 1992</i>?</p> <p>☒ No ☐ Yes</p> <p>If yes, has an exemption certificate for the proposal¹ been issued under the <i>Queensland Heritage Act 1992</i>?</p> <p>☐ Yes ☐ No</p> <p>If no, is the proposed work emergency work for the <i>Queensland Heritage Act 1992</i>?</p> <p>☐ Yes ☐ No</p> <p>If no, is the work being carried out by the State?</p> <p>☐ Yes ☐ No (Complete Part C) This application requires assessment by the Queensland Heritage Council (QHC). If QHC is not the Assessment Manager for the application, the Council has jurisdiction as Concurrence Agency.</p> <p><small>IPA, schedule 8, part 1, table 5, item 2 IP Regulation, schedule 2, table 2, item 18 IPA, section 1.3.5 (Definitions for terms used in development)</small></p>
REMOVING QUARRY MATERIAL: WILD RIVER AREA	
1.2	<p>Does the proposal involve removing quarry material from a watercourse or lake as defined under the <i>Water Act 2000</i>?</p> <p>☒ No ☐ Yes</p> <p>If yes, is an allocation notice required under the <i>Water Act 2000</i>?</p> <p>☐ No ☐ Yes</p> <p>If yes, is any part of the removal of quarry material intended to be located in a declared wild river area under the <i>Wild Rivers Act 2005</i>?</p> <p>☐ No – (Complete Part K7) This application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.</p> <p>☐ Yes – Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it. (Complete Part K7). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. Subject to the declaration for the relevant wild river area, assessment is also required for the purposes of the <i>Wild Rivers Act 2005</i>.</p> <p><small>IPA, schedule 8, part 1, table 5, item 1 IP Regulation, schedule 2, table 2, item 11 IP Regulation, schedule 1, table 5, item 2 (wild river area) Water Act 2000, section 96GG Wild Rivers Act 2005, section 43A</small></p>

¹ In this IDAS Assessment Checklist, the term proposal refers to the proposed use, work or lot reconfiguration the subject of the application.

ENVIRONMENTALLY RELEVANT ACTIVITY: WILD RIVER AREA

1.3	<p>Does the proposal involve an environmentally relevant activity (ERA), other than a mining activity or a petroleum activity?</p> <p>☐ No</p> <p>☒ Yes</p> <p>If yes, is any part of any ERA intended to be located in a wild river area declared under the <i>Wild Rivers Act 2005</i>?</p> <p>☒ No</p> <p>If no, is there a code of environmental compliance under the <i>Environmental Protection Regulation 1998</i> for every aspect of each proposed ERA?</p> <p>☐ No - (Complete Part G) This application requires assessment by the Administering Authority. If the Administering Authority is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.</p> <p>☐ Yes</p> <p>☐ Yes</p> <p>If yes, is any ERA an item 20 ERA (extracting rock or other material) intended to be located in waters?</p> <p>☐ Yes</p> <p>If yes, will the application be accompanied by an allocation notice for that ERA, as defined under the <i>Environmental Protection Act 1994</i>, section 73AA(9)?</p> <p>☐ Yes - Unless the application is consistent with any property development plan applying to the land, and the application is accompanied by an allocation notice, the Assessment Manager must refuse to receive it. (Complete Part G). This application requires assessment by the Administering Authority for the purposes of both the <i>Environmental Protection Act 1994</i> and, subject to the declaration for the relevant wild river area, the <i>Wild Rivers Act 2005</i>. If the Administering Authority is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.</p> <p>☐ No - An application for the ERA would be taken to be not properly made and the Assessment Manager must refuse to receive it.</p> <p>☐ No</p>
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	<p>If no, is any part of any ERA intended to be located in a high preservation area?</p> <p>☐ Yes</p> <p>If yes, is each proposed ERA one of the following?</p> <ul style="list-style-type: none"> • ERA, item 15 (sewage treatment) ☐ No ☐ Yes • ERA, item 16 (municipal water treatment plant) ☐ No ☐ Yes • ERA, item 19 (dredging material) ☐ No ☐ Yes • ERA, item 14 (crematorium) ☐ No ☐ Yes • ERA, item 28 (motor vehicle repair shop) ☐ No ☐ Yes • level 2 ERA <u>other than</u> - ☐ No ☐ Yes <ul style="list-style-type: none"> • item 1(a) (aquaculture) • item 2(a) (cattle feedlotting) • item 3(a) (pig farming) • item 4(a) (poultry farming) • item 20 (extracting rock or other material) • item 22 (screening etc. materials) • item 59 (asphalt manufacturing) • ERA, item 20 (extracting rock or other material) located outside waters and the activity is a borrow pit of not more than 10,000m³ for - ☐ No ☐ Yes <ul style="list-style-type: none"> • specified works under the <i>Wild Rivers Act 2005</i>; or • residential complexes, as defined under the <i>Environmental Protection Act 1994</i> • ERA, item 22 (screening etc. materials) and carried out outside waters and the activity is for - ☐ No ☐ Yes <ul style="list-style-type: none"> • specified works under the <i>Wild Rivers Act 2005</i>; or • for residential complexes, as defined under the <i>Environmental Protection Act 1994</i> • ERA, item 11 (crude oil or petroleum product storage) and the activity is - ☐ No ☐ Yes <ul style="list-style-type: none"> • a level 2 ERA; and • for residential complexes, as defined under the <i>Environmental Protection Act 1994</i>; and • carried out outside a designated urban area, as defined under the <i>Wild Rivers Act 2005</i> • An exempt environmentally relevant activity, as defined under <i>Environmental Protection Act 1994</i>, in a designated urban area, as defined under the <i>Wild Rivers Act 2005</i> ☐ No ☐ Yes <p><i>If yes to any one – Unless the application is consistent with any property development plan applying to the land, and the application is accompanied by an allocation notice, the Assessment Manager must refuse to receive it (Complete Part G) This application requires assessment by the Administering Authority for the purposes of the Environmental Protection Act 1994. If the Administering Authority is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. Subject to any limitations in the declaration for the relevant wild river area and the Wild Rivers code, assessment is also required for the purposes of the Wild Rivers Act 2005. In particular, ERAs 15 and 16 and an 'exempt environmentally relevant activity' do not require assessment for the purposes of the Wild River Act if proposed to be located in a <u>designated urban area</u>.</i></p> <p><i>If no to all - An application for the ERA/s would be taken to be not properly made and the Assessment Manager must refuse to receive it.</i></p>
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☐ No

If no, is any ERA an item 20 ERA (extracting rock or other material) intended to be located outside waters?

☐ No - Unless the application is consistent with any property development plan applying to the land, and the application is accompanied by an allocation notice, the Assessment Manager must refuse to receive it. (Complete Part G) This application requires assessment by the Administering Authority for the purposes of both the Environmental Protection Act 1994 and the Wild Rivers Act 2005. If the Administering Authority is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

☐ Yes

If yes, does the ERA meet the following?

- the activity is located inside a flood management area and a ☐ No ☐ Yes
borrow pit of not more than 10,000m³ for -
 - specified works under the Wild Rivers Act 2005; or
 - residential complexes, as defined under the Environmental Protection Act 1994
- the activity is located outside a flood management area ☐ No ☐ Yes

If yes to either - Unless the application is consistent with any property development plan applying to the land, and the application is accompanied by an allocation notice, the Assessment Manager must refuse to receive it. (Complete Part G) This application requires assessment by the Administering Authority for the purposes of both the Environmental Protection Act 1994 and, subject to the relevant declaration for the wild river area, the Wild Rivers Act 2005. If the Administering Authority is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

If no to both - An application for the ERA would be taken to be not properly made and the Assessment manager must refuse to receive it.

IPA, schedule 8, part 1, table 2, item 1
IPA, schedule 8, part 1, table 5, items 3 and 4
IP Regulation, schedule 2, table 2, items 1 and 23
Environmental Protection Act 1994, section 73AA (wild river area)
Wild Rivers Act 2005, section 43A

WITHIN THE LIMITS OF A PORT

1.4 Is any part of the premises within the limits of a port under the Transport Infrastructure Act 1994?

☒ No
☐ Yes

If yes, is that part of the premises below high water mark?

☐ No
☐ Yes

If answers to questions in other sections of this checklist indicate that the proposed development is assessable under IPA, schedule 8 - Answer (a) to (c) below. This application requires assessment by the Port Authority for the land. If you answer no to (a), (b) and (c) below, the Port Authority for the Port has jurisdiction as Advice Agency.

(a) Is any part of the proposal within 200m of a shipping channel or an entry and exit shipping corridor for the Port?

☐ No
☐ Yes - The Port Authority for the Port has jurisdiction as Concurrence Agency.

(b) Is any part of the proposal within 1,000m of a swing basin, a commercial fishing wharf, a mooring, anchorage or spoil grounds?

☐ No
☐ Yes - The Port Authority for the Port has jurisdiction as Concurrence Agency.

(c) Is any part of the proposal within 1,000m of a planned port facility identified in a land use plan?

☐ No
☐ Yes - The Port Authority for the Port has jurisdiction as Concurrence Agency.

IP Regulation, schedule 2, table 2, items 15 and 16

DECLARED FISH HABITAT AREA

- 1.5** Does any part of the premises adjoin a declared fish habitat area under the *Fisheries Act 1994*?
- ☒ No
☐ Yes – If answers to questions in other sections of this checklist indicate that the proposed development is assessable under IPA, schedule 8, this application requires assessment by the Department of Primary Industries and Fisheries (DPI&F). If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Advice Agency.
- IP Regulation, schedule 2, table 2, item 26*

COMMUNITY INFRASTRUCTURE

- 1.6** Is any part of the premises designated for community infrastructure?
- ☒ No
☐ Yes
- If yes, is the community infrastructure intended to be provided by a public sector entity?
- ☐ No
☐ Yes
- If yes, is the land owned by or on behalf of the State?
- ☐ Yes
☐ No
- If no, is the development for the following?
- For the designated purpose ☐ No ☐ Yes
 - Carried out by, or on behalf of, the designator ☐ No ☐ Yes
- If no to either or both, is the proposed development assessable under the planning scheme?
- ☐ No
☐ Yes - This application must be referred to the Queensland Government department administering the Act authorising the development for the designation as Concurrence Agency.
- IP Regulation, schedule 2, table 3, item 7*

WASTE WATER MANAGEMENT

- 1.7** Does the proposal involve the establishment or expansion of a waste water disposal system?
- ☒ No
☐ Yes
- If yes, is any part of the disposal system proposed to be located in an area declared to be a catchment area under the *Water Act 2000*?
- ☐ No
☐ Yes
- If yes, is the proposed waste water disposal system an environmentally relevant activity (ERA) under the *Environmental Protection Act 1994*?
- ☐ Yes
☐ No
- If no, is the proposed development involving the waste water disposal system assessable under the planning scheme?
- ☐ No
☐ Yes - This application requires assessment by the Department of Natural Resources and Water (NRW) as Concurrence Agency.
- IP Regulation, schedule 2, table 3, item 5*

SECTION 2

Section 2 must be completed when the application seeks approval to materially change the use of premises.

PLANNING SCHEME	
2.1	<p>Is the proposed use assessable under the planning scheme?</p> <p>☐ No - (Go to Question 2.2)</p> <p>☒ Yes - (Complete Part D of IDAS Application Form 1 and answer Questions 2.1.1 – 2.1.14 below)</p> <p>If yes, does the application request that the proposal be assessed against a superseded planning scheme?</p> <p>☐ Yes - (Complete Attachment 1)</p> <p>☒ No</p>
STATE-CONTROLLED ROAD	
2.1.1	<p>Is any part of the premises within 100m of a State-controlled road, or part of a future State-controlled road?</p> <p>☐ Yes</p> <p>If yes, is the use proposed in a future State-controlled road defined by route?</p> <p>☐ Yes - This application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.</p> <p>☐ No - This application must be referred to DMR as Advice Agency.</p> <p>☒ No</p> <p>If no, is the proposed use listed in schedule 5 of the Integrated Planning Regulation 1998 and does it exceed the specified threshold?</p> <p>☐ Yes - This application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.</p> <p>☒ No</p> <p><i>IP Regulation, schedule 2, table 3, items 1(a) and 3</i></p>
ACID SULFATE SOILS	
2.1.2	<p>Is the use proposed in a local government area listed² in State Planning Policy 2/02: Planning and Managing Development Involving Acid Sulfate Soils?</p> <p>☒ No</p> <p>☐ Yes</p> <p>If yes, is the natural ground level of any part of the premises less than 20m AHD?</p> <p>☐ No</p> <p>☐ Yes</p> <p>If yes, will the proposed use involve the following?</p> <ul style="list-style-type: none"> Excavating more than 1,000m³ of soil or sediment at or below 5m AHD ☐ No ☐ Yes Filling the premises with 1,000m³ or more of material with an average depth of 0.5m on land, soil or sediment at or below 5m AHD ☐ No ☐ Yes <p>If yes to either or both - this application must be referred to the Department of Natural Resources and Water (NRW) as Advice Agency.</p> <p><i>IP Regulation, schedule 2, table 3, item 4</i> <i>State Planning Policy 2/02: Planning and Managing Development Involving Acid Sulfate Soils, section 3.6</i></p>

² Aurukun, Bowen, Brisbane, Broadsound, Bundaberg, Burdekin, Burke, Burnett, Caboolture, Calms, Callopie, Caloundra, Cardwell, Carpentaria, Cook, Cooloola, Douglas, Fitzroy, Gladstone, Gold Coast, Hervey Bay, Hinchinbrook, Isis, Johnstone, Livingstone, Logan, Mackay, Maroochy, Maryborough, Miriam Vale, Morningside, Noosa, Pine Rivers, Redcliffe, Redland, Rockhampton, Sarina, Thuringowa, Tiaro, Torres, Townsville, Whitsunday.

COASTAL MANAGEMENT DISTRICT	
2.1.3	<p>Does the proposed use involve the following?</p> <ul style="list-style-type: none"> Carrying out operational work, completely or partly in a coastal management district ☒ No ☐ Yes Carrying out building work, completely or partly in a coastal management district, that is the construction of new premises with a gross floor area (GFA) of at least 1,000m² ☒ No ☐ Yes Carrying out building work, completely or partly in a coastal management district, that is the enlargement of the GFA of existing premises by more than 1,000m² ☒ No ☐ Yes <p><i>If yes to any one - this application must be referred to the Environmental Protection Agency (EPA) as Concurrence Agency.</i> <i>IP Regulation, schedule 2, table 3, item 6</i></p>
VEGETATION CLEARING	
2.1.4	<p>Do the premises include a lot containing the following?</p> <ul style="list-style-type: none"> A category 1, 2 or 3 area shown on a Property Map of Assessable Vegetation (PMAV) ☒ No ☐ Yes If there is no PMAV for a lot, remnant vegetation ☒ No ☐ Yes <p>If yes to either or both, is the size of the premises 2ha or larger? ☐ No ☐ Yes</p> <p>If yes, is the existing use of the premises rural or environmental? ☐ No ☐ Yes - (Complete Part J) This application must be referred to the Department of Natural Resources and Water (NRW) as Concurrence Agency.</p> <p><i>IP Regulation, schedule 2, table 3, item 11</i></p>
CONTAMINATED LAND - UNEXPLODED ORDNANCE	
2.1.5	<p>Is any part of the premises in an area for which an area management advice has been given for unexploded ordnance?</p> <p>☐ Yes - (Complete Part N) This application must be referred to the Administering Authority as Concurrence Agency. ☒ No</p> <p><i>IP Regulation, schedule 2, table 3, item 12</i></p>
PUBLIC PASSENGER TRANSPORT	
2.1.6	<p>Is the proposed use listed in schedule 13C of the Integrated Planning Regulation 1998 and does it exceed the specified threshold?</p> <p>☐ Yes - This application must be referred to Queensland Transport (QT) as Concurrence Agency. ☒ No</p> <p><i>IP Regulation, schedule 2, table 3, item 14</i></p>
RAILWAY SAFETY AND EFFICIENCY	
2.1.7	<p>Is the proposed use listed in schedule 13D of the Integrated Planning Regulation 1998 and does it exceed the specified threshold?</p> <p>☐ Yes - This application must be referred to Queensland Transport (QT) as Concurrence Agency. ☒ No</p> <p><i>IP Regulation, schedule 2, table 3, item 15</i></p>

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KOALA CONSERVATION

2.1.8 Is any part of the premises in a koala conservation area or koala sustainability area?

- ☒ No
☐ Yes

If yes, is the use for a domestic activity, as defined by the IPA?

- ☐ Yes
☐ No

If no, will the use result in the following?

- Clearing of native vegetation over an area greater than 2,500m² ☐ No ☐ Yes
- A new building and any reasonably associated structure with a total footprint greater than 1,000m² ☐ No ☐ Yes
- An extension to an existing building and any reasonably associated structure if the extension has a total footprint greater than 1,000m² ☐ No ☐ Yes
- Extracting gravel, rock or sand from an area greater than 5,000m² ☐ No ☐ Yes
- Excavating or filling an area greater than 5,000m² ☐ No ☐ Yes
- Additional traffic in a koala conservation area or koala sustainability area between 6:00pm on a day and 6:00am on the following day ☐ No ☐ Yes

If yes to any one - this application must be referred to the Environmental Protection Agency (EPA) as Concurrence Agency.

IP Regulation, schedule 2, table 3, item 18

EASEMENTS AND SUBSTATIONS

2.1.9 Is the use associated with reconfiguring a lot?

- ☐ Yes
☒ No - Answer both (a) and (b) below

(a) Will any part of any structure or work that is the natural and ordinary consequence of the use, be located in an easement?

- ☐ No
☐ Yes - Answer both (i) and (ii) below

(i) Is there an easement in favour of a distribution entity or transmission entity under the *Electricity Act 1994* for a transmission grid or supply network under that Act?

- ☐ No
☐ Yes - This application must be referred to the entity as Advice Agency.

(ii) Is there an easement in favour of the holder of pipeline licence number 1 issued under the *Petroleum Act 1923* for the construction or operation of the Moonie to Brisbane strategic pipeline under that Act?

- ☒ No
☐ Yes - This application must be referred to the licence holder as Advice Agency.

(b) Is any part of the premises situated within 100m of a substation site under the *Electricity Act 1994*?

- ☐ No
☐ Yes - This application must be referred to the entity responsible for the substation as Advice Agency.

IP Regulation, schedule 2, table 3, item 8 (electricity easement)
 IP Regulation, schedule 2, table 3, item 16 (pipeline easement)
 IP Regulation, schedule 2, table 3, item 9 (substation)

RESIDENTIAL, COMMERCIAL OR INDUSTRIAL DEVELOPMENT IN A WILD RIVER AREA	
2.1.10	<p>Is any part of the premises in a wild river area declared under the <i>Wild Rivers Act 2005</i>?</p> <p>☒ No ☐ Yes</p> <p>If yes, is the proposed use for residential, commercial or industrial purposes outside a designated urban area, as defined by the <i>Wild Rivers Act 2005</i>?</p> <p>☐ No ☐ Yes - Subject to the declaration for the wild river area, assessment by the local government is required for the purposes of the <i>Wild Rivers Act 2005</i>.</p> <p><small>IP Regulation, schedule 1, part 2, table 5, item 1(a) <i>Wild Rivers code</i> (Note: the code does not currently contain applicable provisions for residential, industrial or commercial development inside a designated urban area)</small></p>
WETLAND	
2.1.11	<p>Is the proposal only for the construction or use of a single residence on a lot and any reasonably associated building or structure?</p> <p>☐ Yes ☒ No</p> <p>If no, do the premises include a lot situated in, or within 100m of, a wetland shown on the 'Map of referable wetlands'?</p> <p>☒ No ☐ Yes - This application must be referred to the Environmental Protection Agency (EPA) as Advice Agency.</p> <p><small>IP Regulation, schedule 2, table 3, item 20</small></p>
HERITAGE	
2.1.12	<p>Do the premises include a lot sharing a common boundary with a protected area or registered place under the <i>Queensland Heritage Act 1992</i>?</p> <p>☒ No ☐ Yes - This application must be referred to the Queensland Heritage Council (QHC) as Advice Agency.</p> <p><small>IP Regulation, schedule 2, table 3, item 22</small></p>
CERTAIN PRELIMINARY APPROVALS	
2.1.13	<p>Is preliminary approval sought for the application under the IPA, section 3.1.6?</p> <p>☒ No ☐ Yes - (Complete Attachment 2) This application must be referred to the Department of Local Government, Planning, Sport and Recreation (DLGPSR) as Advice Agency.</p> <p><small>IP Regulation, schedule 2, table 3, item 23</small></p>

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BROTHEL**2.2** Is the proposed use a brothel as defined under the *Prostitution Act 1999*?

- ☒ No
☐ Yes

If yes, does one or more of the following apply?

- The land is in, or within 200m of the closest point on any boundary of, a primarily residential area or an area approved for residential development or intended to be residential in character ☐ No ☐ Yes
- The land is within 200m of the closest point on any boundary of land on which there is a residential building, place of worship, hospital, school, kindergarten, or any other facility or place regularly frequented by children for recreational or cultural activities (measured according to the shortest route a person may reasonably and lawfully take, by vehicle or on foot, between the land proposed for the brothel and other land) ☐ No ☐ Yes
- The land is within 100m of the closest point of any boundary of land on which there is a residential building, place of worship, hospital, school, kindergarten, or any facility or place regularly frequented by children for recreational or cultural activities (measured in a straight line) ☐ No ☐ Yes
- More than 5 rooms are proposed to be used for providing prostitution ☐ No ☐ Yes
- The land is in a town where the Minister for Police and the local government have agreed that all applications for brothels in the local government area are to be refused ☐ No ☐ Yes

If yes to any one - an application for a brothel must be refused by the assessment manager.

If no to all - (Complete Part H) This aspect of the application is assessed by the local government for the purposes of the *Prostitution Act 1999*.IPA, schedule 8, part 1, table 2, item 2
Prostitution Act 1999, section 64**STRATEGIC PORT LAND****2.3** Is any part of the use proposed on Strategic Port Land under the *Transport Infrastructure Act 1994*?

- ☒ No
☐ Yes

If yes, is the proposed use inconsistent with the approved land use plan?

- ☐ No
☐ Yes - (Complete Part I) This application must be referred to Queensland Transport (QT) as Concurrence Agency.

IPA, schedule 8, part 1, table 2, item 3
IP Regulation, schedule 2, table 2, item 6**MAJOR HAZARD FACILITY****2.4** Is the proposed use a major hazard facility or possible major hazard facility under the *Dangerous Goods Safety Management Act 2001*?

- ☒ No
☐ Yes - (Complete Part L) This application requires assessment by the Department of Emergency Services (DES). If DES is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

IPA, schedule 8, part 1, table 2, item 4
IP Regulation, schedule 2, table 2, item 7

CONTAMINATED LAND - REGISTERED LAND

2.5 Is any part of the land forming the premises on the Environmental Management Register or Contaminated Land Register under the *Environmental Protection Act 1994*?

- ☐ No
☒ Yes

If yes, does one or more of the following apply?

- A suitability statement has been given and a site management plan has been approved for the proposed use of the land, and the proposed use involves only the following -
 - the fit-out of a building on the land; or
 - minor site excavation, including for example, post holes for open-sided non-habitable structures
- There is currently a notifiable activity on the land and the activity is continuing ☐ No ☒ Yes
- The proposed use is industrial and only involves minor site excavation (e.g. post holes for open-sided non-habitable structures) ☐ No ☒ Yes
- The land is used for a mining activity or petroleum activity ☒ No ☐ Yes

If no to all - (Complete Part N) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

*IPA, schedule 8, part 1, table 2, item 5
 IP Regulation, schedule 2, table 2, item 22*

CONTAMINATED LAND - NOTIFIABLE ACTIVITY

2.6 Is any part of the land forming the premises currently used for a notifiable activity, or if there is no existing use was it last used for a notifiable activity?

- ☐ No
☒ Yes

If yes, does one or more of the following apply?

- A suitability statement, removing the land from the environmental management register, has been given under the *Environmental Protection Act 1994* for the existing use, or if there is no existing use, the last use, and the following both apply -
 - no new notifiable activity has occurred on the land since the suitability statement was issued;
 - the land is not otherwise contaminated by a hazardous contaminant
- A suitability statement has been given and a site management plan has been approved for the proposed use of the land, and the proposed use involves only the following -
 - the fit-out of a building on the land; or
 - minor site excavation, including for example, post holes for open-sided non-habitable structures
- The land is used for a mining activity or petroleum activity ☒ No ☐ Yes

If no to all - (Complete Part N) This application requires assessment by the Environmental protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

*IPA, schedule 8, part 1, table 2, item 6
 IP Regulation, schedule 2, table 2, item 22*

CONTAMINATED LAND - INDUSTRIAL ACTIVITY

2.7 Is any part of the premises currently used for an industrial activity (other than for a mining activity or petroleum activity), or if there is no existing use was it last used for an industrial activity (other than for a mining activity or petroleum activity)?

- ☐ No
☒ Yes

If yes, is the proposed use for child care, educational, recreational or residential purposes (including a caretaker residence on industrial land)?

☒ No

☐ Yes - (Complete Part N) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, it has jurisdiction as Concurrence Agency.

IPA, schedule 8, part 1, table 2, item 6
IP Regulation, schedule 2, table 2, item 22

CONTAMINATED LAND - AREA MANAGEMENT ADVICE (NATURAL MINERALISATION OR INDUSTRIAL ACTIVITY)

2.8 Is any part of the premises in an area for which an area management advice has been given for natural mineralisation or industrial activity (other than for a mining activity or petroleum activity)?

- ☒ No
☐ Yes

If yes, is the proposed use for child care, educational, recreational or residential purposes (including a caretaker residence on industrial land)?

☐ No

☐ Yes - (Complete Part N) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

IPA, schedule 8, part 1, table 2, item 7
IP Regulation, schedule 2, table 2, item 22

AQUACULTURE, WILD RIVER AREA

2.9

Is the proposed use for aquaculture as defined under the *Fisheries Act 1994*?

- ☒ No
☐ Yes

If yes, is any part of the aquaculture intended to be located in a wild river area declared under the *Wild Rivers Act 2005*?☐ No

If no, will the proposed aquaculture cause no discharge of waste into Queensland waters and be -

- of indigenous freshwater fish species listed in the *Fisheries (Freshwater) Management Plan 1999*, schedule 6; and
- in a catchment listed in that schedule for that species for aquarium display or human consumption only; and
- carried out in ponds, or using above-ground tanks, that have a total water surface area of no more than 5ha

☐ Yes☐ No

If no, will the proposed aquaculture cause no discharge of waste into Queensland waters, be of indigenous freshwater fish for aquarium display or human consumption only, or nonindigenous freshwater fish for aquarium display only, and carried out using only above-ground tanks that have -

- a floor area, excluding water storage area, of no more than 50m²; and
- a roof impervious to rain water

☐ Yes☐ NoIf no, will the proposed aquaculture cause no discharge of waste into Queensland waters, be of indigenous marine fish for aquarium display only and carried out using only above-ground tanks that have a total floor area, excluding water storage areas, of no more than 50m²?☐ Yes☐ No - (Complete Part O₁) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F). If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.☐ Yes

If yes, is any part of the aquaculture intended to be located in a wild river high preservation area?

☐ No - Unless the application is consistent with any property development plan applying to the land; the Assessment Manager must refuse to receive it. (Complete Part O₁) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F). Subject to the declaration for the relevant wild river area, assessment may also be required for the purposes of the *Wild Rivers Act 2005*. If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

☐ Yes - An application for the aquaculture would be taken to be not properly made and the Assessment Manager must refuse to receive it.

IPA, schedule 8, part 1, table 2, item 8

IPA, schedule 8, part 2, table 2, item 1 (self-assessable aquaculture)

IP Regulation, schedule 2, table 2, item 27

Fisheries Act 1994, section 76DA (wild river area)

Wild Rivers Act 2005, section 43A

AGRICULTURAL AND ANIMAL HUSBANDRY ACTIVITIES IN A WILD RIVER AREA

2.10 Is any part of the premises in a wild river area declared under the *Wild Rivers Act 2005*?

- ☒ No
☐ Yes

If yes, is the proposed use for the following?

- Agricultural activities as defined under the *Wild Rivers Act 2005* ☐ No ☐ Yes
- Animal husbandry activities as defined under the *Wild Rivers Act 2005* ☐ No ☐ Yes

If yes to either, is any part of the premises in the **high preservation area** in the wild river area?

- ☐ Yes - An application for the use would be taken to be not properly made and the Assessment Manager must refuse to receive it.
☐ No

If no, is the proposed use in relation to the production of a high risk species as defined under the *Wild Rivers Act 2005*?

- ☐ Yes - An application for the use would be taken to be not properly made and the assessment manager must refuse to receive it.
☐ No - Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it. (Complete Part Q if agriculture). (Complete Part R if animal husbandry) Subject to the relevant declaration for the wild river area, this application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

IPA, schedule 8, part 1, table 2, item 11
 IP Regulation, schedule 2, table 2, item 36
 Wild Rivers Act 2005, sections 42, 43A

SEQ REGIONAL PLAN**2.11** Is any part of the premises within the South East Queensland (SEQ) Regional Plan area?

- ☐ No
☒ Yes

If yes, are the premises within one or more of the following areas?

- A Major Development Area in the Urban Footprint ☒ No ☐ Yes – (Answer (a) to (c) below)
- The Regional Landscape and Rural Production Area ☒ No ☐ Yes – (Answer (d) below)
- The Rural Living Area ☒ No ☐ Yes – (Answer (e) below)
- The Investigation Area ☒ No ☐ Yes – (Answer (f) and (g) below)

For the part of the premises within the Major Development Area**(a)** Does the application involve **intensive animal husbandry** as defined under the SEQ Regional Plan Regulatory Provisions?

- ☐ No
☐ Yes – *The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 – 2.1.13 to be answered also) This application must be referred to the Office of Urban Management (OUM) as Concurrence Agency.*

(b) Does the application involve residential development involving a **rural residential purpose** as defined under the SEQ Regional Plan Regulatory Provisions?

- ☐ No
☐ Yes – *The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 – 2.1.13 to be answered also) This application must be referred to the Office of Urban Management (OUM) as Concurrence Agency.*

(c) Does the application involve an **urban activity** as defined under the SEQ Regional Plan Regulatory Provisions?

- ☐ No
☐ Yes

If yes, is the Major Development Area within a **structure plan** as defined under the SEQ Regional Plan Regulatory Provisions?

- ☐ Yes

If yes, does the IPA, section 3.1.6 apply to the application?

- ☐ No
☐ Yes – *The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 – 2.1.13 to be answered also) This application must be referred to the Office of Urban Management (OUM) as Concurrence Agency.*

- ☐ No

If no, does the following apply?

- Impact assessment is required under the planning scheme ☐ No ☐ Yes
- The IPA, section 3.1.6 applies to the application ☐ No ☐ Yes
- The premises exceed 10,000m² ☐ No ☐ Yes
- The gross floor area, as defined under the SEQ Regional Plan Regulatory Provisions, on the premises will exceed 10,000m² ☐ No ☐ Yes

If yes to any one - The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 – 2.1.13 to be answered also) This application must be referred to the Office of Urban Management (OUM) as Concurrence Agency.

For the part of the premises within the Regional Landscape and Rural Production (RLRP) Area**(d) Does the application involve an urban activity as defined under the SEQ Regional Plan Regulatory Provisions?**☐ Yes

If yes, is every urban activity in the application excluded from being assessable for the purposes of the SEQ Regional Plan in the RLRP Area?

☐ Yes☐ No - *The SEQ Regional Plan makes each urban activity assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 - 2.1.13 to be answered also) Each urban activity that is assessable in the RLRP Area must be referred to the Office of Urban Management (OUM) as Concurrence Agency.*☐ NoIf no, does the application involve **residential development involving a rural residential purpose** as defined under the SEQ Regional Plan Regulatory Provisions?☐ No☐ YesIf yes, are the premises located in the **Mt Lindesay/North Beaudesert Study area?**☐ No - *The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 - 2.1.13 to be answered also) This application must be referred to the Office of Urban Management (OUM) as Concurrence Agency.*☐ Yes

If yes, are the premises in a zone or equivalent designated area mentioned in a notice published by the regional planning Minister?

☐ No - *The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 - 2.1.13 to be answered also) This application must be referred to the Office of Urban Management (OUM) as Concurrence Agency.*☐ Yes**For the part of the premises within the Rural Living Area****(e) Does the application involve an urban activity as defined under the SEQ Regional Plan Regulatory Provisions?**☐ No☐ YesIf yes, is every urban activity in the application excluded from being assessable for the purposes of the SEQ Regional Plan in the **Rural Living Area**?☐ Yes☐ No - *The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 - 2.1.13 to be answered also) Each urban activity that is assessable in the Rural Living Area must be referred to the Office of Urban Management (OUM) as Concurrence Agency.***For the part of the premises within the Investigation Area****(f) Does the application involve intensive animal husbandry as defined under the SEQ Regional Plan Regulatory Provisions?**☐ No☐ Yes - *The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 - 2.1.13 to be answered also) This application must be referred to the Office of Urban Management (OUM) as Concurrence Agency.*

(g) Does the application involve an **urban activity** as defined under the SEQ Regional Plan Regulatory Provisions?

☐ Yes

If yes, is every urban activity in the application excluded from being assessable for the purposes of the SEQ Regional Plan in the Investigation Area?

☐ Yes

☐ No - The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 – 2.1.13 to be answered also) Each urban activity that is assessable in the Investigation Area requires assessment by the Office of Urban Management (OUM) as Concurrence Agency.

☐ No

If no, does the application involve **residential development involving a rural residential purpose** as defined under the SEQ Regional Plan Regulatory Provisions?

☐ No

☐ Yes

If yes, are the premises located in the Mt Lindsay/North Beaudesert Study area?

☐ No - The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 – 2.1.13 to be answered also) This application must be referred to the Office of Urban Management (OUM) as Concurrence Agency.

☐ Yes

If yes, are the premises in a zone or equivalent designated area mentioned in a notice published by the regional planning Minister?

☐ Yes

☐ No - The SEQ Regional Plan makes this use assessable under the planning scheme. (Ensure Questions 2.1 in this checklist is answered 'yes'. This requires Questions 2.1.1 – 2.1.13 to be answered also) This application must be referred to the Office of Urban Management (OUM) as Concurrence Agency.

SEQ Regional Plan 2005-2026, Amendment 1, Regulatory Provisions, division 2
IP Regulation, schedule 2, table 3, item 13
IPA, section 2.5A.12 (3)

CONSERVATION ESTATE

2.12 Is the proposal for urban purposes, as defined under the IPA?

☒ No

☐ Yes

If yes, is the use proposed on a lot situated in, or within 100m of, any of the following?

• A protected area, forest reserve, critical habitat or area of major interest under the <i>Nature Conservation Act 1992</i>	☐ No	☐ Yes
• A State forest or timber reserve under the <i>Forestry Act 1959</i>	☐ No	☐ Yes
• A marine park under the <i>Marine Parks Act 2004</i>	☐ No	☐ Yes
• A recreation area under the <i>Recreation Area Management Act 1988</i>	☐ No	☐ Yes
• A world heritage area listed under the World Heritage Convention	☐ No	☐ Yes
• Brisbane forest park under the <i>Brisbane Forest Park Act 1977</i>	☐ No	☐ Yes

If yes to any one - This application must be referred to the chief executive under the relevant Act mentioned as Advice Agency.

IP Regulation, schedule 2, table 2, item 40

REMOVAL, DESTRUCTION OR DAMAGE OF A MARINE PLANT – this question only applies for applications not **also** seeking approval to carry out operational work.

2.13 Does the proposed use involve the removal, destruction or damage of marine plants under the *Fisheries Act 1994*?

- ☒ No
☐ Yes

If yes, indicate what the proposed operational work is reasonably necessary for (Tick applicable box/es)

- The removal, destruction or damage of dead marine wood on unallocated State land, other than in a wild river area, for trade or commerce ☐ No ☐ Yes
- The maintenance of existing structures, including, for example, the following structures, if the structures were constructed in compliance with all the requirements, under any Act, relating to a structure of that type - ☐ No ☐ Yes
 - boat ramps, boardwalks, drains, fences, jetties, roads, safety signs, swimming enclosures and weirs;
 - existing drainage structures;
 - existing powerlines or associated powerline infrastructure
- Educational or research purposes or for monitoring the impact of development on marine plants ☐ No ☐ Yes
- Other purposes ☐ No ☐ Yes

If yes to "other purposes", does a development permit exist for that proposed operational work?

- ☐ Yes
☐ No

If no, has approval been sought in a separate application?

- ☐ Yes
☐ No

No – This application must also be for operational work for removing, destroying or damaging marine plants under the *Fisheries Act 1994*. (Complete Section 4 of this checklist).

IPA, section 3.2.2A

IPA, schedule 8, part 1, table 4, item 6 (assessable development)

IPA, schedule 8, part 2, table 4, item 4 (self-assessable development)

IP Regulation, schedule 2, table 2, item 29

IP Regulation, schedule 1, part 3, table 4, item 8

Fisheries Act 1994, section 76DB (wild river area)

Wild Rivers Act 2005, section 43A

SECTION 3

Section 3 must be completed when the application seeks approval to reconfiguring a lot.

IPA, schedule 8, part 1, table 3

STATE-CONTROLLED ROAD	
3.1	<p>Is any part of the premises within 100m of a State-controlled road, or part of a future State-controlled road?</p> <p>☐ No</p> <p>If no, is the proposed reconfiguration listed in <i>Integrated Planning Regulation 1998</i>, schedule 5 and does it exceed the threshold?</p> <p>☐ No</p> <p>☐ Yes - <i>The application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.</i></p> <p>☐ Yes</p> <p>If yes, will the proposed reconfiguration result in the following?</p> <ul style="list-style-type: none"> An increase in the total number of lots ☐ No ☐ Yes An increase in the total number of lots abutting the State-controlled road ☐ No ☐ Yes <p>If yes to either or both, is the reconfiguration proposed in a future State-controlled road defined by route?</p> <p>☐ Yes - <i>This application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.</i></p> <p>☐ No - <i>This application must be referred to DMR as Advice Agency.</i></p> <p><small>IP Regulation, schedule 2, table 3, item 3 IP Regulation, schedule 2, table 2, item 2</small></p>
COASTAL MANAGEMENT DISTRICT	
3.2	<p>Is any part of the premises within a coastal management district?</p> <p>☐ No</p> <p>☐ Yes - <i>(Complete Part M) This application must be referred to the Environmental Protection Agency (EPA) as Concurrence Agency.</i></p> <p><small>IP Regulation, schedule 2, table 2, item 13(a)</small></p>
VEGETATION CLEARING	
3.3	<p>Do the premises include a lot containing the following?</p> <ul style="list-style-type: none"> A category 1, 2 or 3 area shown on a Property Map of Assessable Vegetation (PMAV) ☐ No ☐ Yes If there is no PMAV for a lot, remnant vegetation ☐ No ☐ Yes <p>If yes to either or both, are 2 or more lots proposed to be created?</p> <p>☐ No</p> <p>☐ Yes</p> <p>If yes, is any lot, before the proposed reconfiguration, 2ha or larger?</p> <p>☐ No</p> <p>☐ Yes</p> <p>If yes, is the size of any lot proposed to be created, 25ha or smaller?</p> <p>☐ No</p> <p>☐ Yes - <i>(Complete Part J) This application must be referred to the Department of Natural Resources and Water (NRW) as Concurrence Agency.</i></p> <p><small>IP Regulation, schedule 2, table 2, item 4</small></p>

EASEMENTS**3.4 Is any part of the premises subject to an easement?**☐ No☐ Yes - Answer both (a) and (b) below(a) Is there an easement in favour of a distribution entity or transmission entity under the *Electricity Act 1994* for a transmission grid or supply network under that Act?☐ No☐ Yes - This application must be referred to the entity as Advice Agency.(b) Is there an easement in favour of the holder of Pipeline Licence Number 1 issued under the *Petroleum Act 1923* for the construction or operation of the Moonie to Brisbane strategic pipeline under that Act?☐ No☐ Yes - This application must be referred to the licence holder as Advice Agency.*IP Regulation, schedule 2, table 2, item 20(e) (electricity easement)**IP Regulation, schedule 2, table 2, item 32 (pipeline easement)***ELECTRICITY SUBSTATIONS****3.5 Is any part of the premises situated within 100m of a substation site under the *Electricity Act 1994*?**☐ No☐ Yes - This application must be referred to the entity responsible for the substation as Advice Agency.*IP Regulation, schedule 2, table 2, item 20(b)***CONTAMINATED LAND - REGISTERED LAND****3.6 Is any part of the land forming the premises on the Environmental Management Register or Contaminated Land Register under the *Environmental Protection Act 1994*?**☐ No☐ Yes

If yes, does one or more of the following apply?

- A suitability statement has been given and a site management plan has been approved for the proposed use of the land, and the proposed use involves only the following - ☐ No ☐ Yes

- the fit-out of a building on the land; or

- minor site excavation, including for example, post holes for open-sided non-habitable structures

- There is currently a notifiable activity on the land and the activity is continuing ☐ No ☐ Yes

- The proposed use is industrial and only involves minor site excavation (e.g. post holes for open-sided non-habitable structures) ☐ No ☐ Yes

If no to all - (Complete Part N) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

IP Regulation, schedule 2, table 2, item 21(e)

CONTAMINATED LAND – NOTIFIABLE ACTIVITY

3.7 Is any part of the land forming the premises currently used for a notifiable activity, or if there is no existing use was it last used for a notifiable activity?

☐ No
☐ Yes

If yes, does one or more of the following apply?

- A suitability statement, removing the land from the environmental management register, has been given under the *Environmental Protection Act 1994* for the existing use, or if there is no existing use, the last use, and the following both apply -
 - no new notifiable activity has occurred on the land since the suitability statement was issued;
 - the land is not otherwise contaminated by a hazardous contaminant
- A suitability statement has been given and a site management plan has been approved for the proposed use of the land, and the proposed use involves only the following -
 - the fit-out of a building on the land; or
 - minor site excavation, including for example, post holes for open-sided non-habitable structures

☐ No ☐ Yes

If no to both – (Complete Part N) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

IP Regulation, schedule 2, table 2, item 21(e)

CONTAMINATED LAND – INDUSTRIAL ACTIVITY

3.8 Is any part of the premises currently used for an industrial activity (other than for a mining activity or petroleum activity), or if there is no existing use was it last used for an industrial activity (other than for a mining activity or petroleum activity)?

☐ No
☐ Yes

If yes, is the proposed use for child care, educational, recreational or residential purposes (including a caretaker residence on industrial land)?

☐ No
☐ Yes - (Complete Part N) This application must be referred to the Environmental Protection Agency (EPA) as Concurrence Agency.

IP Regulation, schedule 2, table 2, item 21(e)

CONTAMINATED LAND – AREA MANAGEMENT ADVICE (NATURAL MINERALISATION OR INDUSTRIAL ACTIVITY)

3.9 Is any part of the premises in an area for which an area management advice has been given for natural mineralisation or industrial activity (other than for a mining activity or petroleum activity)?

☐ No
☐ Yes

If yes, is the proposed use for child care, educational, recreational or residential purposes (including a caretaker residence on industrial land)?

☐ No
☐ Yes - (Complete Part N) This application must be referred the Environmental Protection Agency (EPA) as Concurrence Agency.

IP Regulation, schedule 2, table 2, item 21(a)

CONTAMINATED LAND – AREA MANAGEMENT ADVICE (UNEXPLODED ORDNANCE)

3.10 Is any part of the premises in an area for which an area management advice has been given for unexploded ordnance?

☐ No
☐ Yes - (Complete Part N) This application must be referred to the Environmental Protection Agency (EPA) as Concurrence Agency.

IP Regulation, schedule 2, table 2, item 21(b)

SEQ REGIONAL PLAN

3.11 Is any part of the premises within the South East Queensland (SEQ) Regional Plan area?

- ☐ No
☐ Yes

If yes, is the application seeking approval for subdivision³?

- ☐ No
☐ Yes – Answer both (a) and (b) below

(a) Is any part of the premises located within a Major Development Area and not included in a structure plan as defined under the SEQ Regional Plan Regulatory Provisions?

- ☐ No
☐ Yes

If yes, indicate whether or not of the following circumstances apply to the subdivision proposal – (Tick if applicable)

The subdivision:			
(i)	Creates lots with a size greater than 100 hectares	☐ No	☐ Yes
(ii)	Creates a residual lot	☐ No	☐ Yes
(iii)	Creates the same number or fewer lots than the number of lots being subdivided	☐ No	☐ Yes
(iv)	Creates a single additional lot when an existing lot is severed by a road that was gazetted before 2 March 2006	☐ No	☐ Yes
(v)	Creates a single additional lot for an emergency services facility	☐ No	☐ Yes
(vi)	Creates a single additional lot for a water cycle management infrastructure	☐ No	☐ Yes
(vii)	Creates a single additional lot for waste management facility	☐ No	☐ Yes
(viii)	Creates a single additional lot for telecommunications infrastructure	☐ No	☐ Yes
(ix)	Creates a single additional lot for electricity infrastructure	☐ No	☐ Yes
(x)	Creates a single additional lot for cemetery or a crematorium	☐ No	☐ Yes
(xi)	Is carried out in association with a development approval for a material change of use of premises that has not lapsed, if the development approval was for a development application that was made before 31 October 2006	☐ No	☐ Yes
(xii)	Is carried out in association with a development approval for a material change of use of premises that - <ul style="list-style-type: none"> was given for development made assessable under SEQ Regional Plan Regulatory Provisions, section 2.4, 2.6, 2.8, 2.10, 2.12, or 2.14; and has not lapsed 	☐ No	☐ Yes
(xiii)	Creates lots for a purpose or is being carried out in association with development <u>other</u> than those stated in (i) – (xii) above	☐ No	☐ Yes

To the extent the application involves **other development under (xiii) above** - this application must be referred to the Office of Urban Management (OUM) as Concurrence Agency.

³ For the purposes of the SEQ Regional Plan, subdivision means – (a) creating a lot by subdividing another lot; or (b) dividing land into parts by agreement (other than a lease for a term, including renewal options, not exceeding 10 years) rendering different parts of a lot immediately available for separate disposition or separate occupation)

(b) Is any part of the premises within the Regional Landscape and Rural Production Area or in the Investigation Area?

- ☐ No
☐ Yes – Answer (i) – (iii)

(i) Is any part of the premises located in a rural precinct or an interim rural precinct and is any lot resulting from the subdivision proposed to have a lot size smaller than the minimum stated in the relevant planning scheme for the precinct?

- ☐ Yes – Complete Table 1
☐ No

TABLE 1 - Indicate whether or not the following circumstances apply to the subdivision proposal – (Tick if applicable)

The subdivision:		
(i) Creates a residual lot	☐ No	☐ Yes
(ii) Creates the same number or fewer lots than the number of lots being subdivided	☐ No	☐ Yes
(iii) Creates a single additional lot when an existing lot is severed by a road that was gazetted before 2 March 2006	☐ No	☐ Yes
(iv) Creates a single additional lot for an emergency services facility	☐ No	☐ Yes
(v) Creates a single additional lot for a water cycle management infrastructure	☐ No	☐ Yes
(vi) Creates a single additional lot for waste management facility	☐ No	☐ Yes
(vii) Creates a single additional lot for telecommunications infrastructure	☐ No	☐ Yes
(viii) Creates a single additional lot for electricity infrastructure	☐ No	☐ Yes
(ix) Creates a single additional lot for cemetery or a crematorium	☐ No	☐ Yes
(x) Is being carried out in association with a development approval for a material change of use of premises that has not lapsed, if the development approval was for a development application that was made before 31 October 2006	☐ No	☐ Yes
(xi) Is being carried out in association with a development approval for a material change of use of premises that - <ul style="list-style-type: none"> was given for development made assessable under SEQ Regional Plan Regulatory Provisions, section 2.4, 2.6, 2.8, 2.10, 2.12, or 2.14; and has not lapsed 	☐ No	☐ Yes
(xii) Is in a rural village as defined under the SEQ Regional Plan Regulatory Provisions	☐ No	☐ Yes
(xiii) Is for a rural residential purpose for land located in the Mt Lindesay/North Beaudesert Study Area and - <ul style="list-style-type: none"> the development application or development application (superseded planning scheme) for the subdivision is properly made before 2 March 2008; and the subdivision relates to land located in a zone or equivalent designated area mentioned in a notice published in the gazette by the regional planning Minister 	☐ No	☐ Yes
(xiv) Is being carried out under - <ul style="list-style-type: none"> an exemption given by the regional planning Minister for an application for exemption lodged before 30 September 2005; and a development approval for a development application that is properly made within six months of the exemption being given by the regional planning Minister 	☐ No	☐ Yes
(xv) Involves the extension of an existing lease or licence over land if - <ul style="list-style-type: none"> no additional lots are created; and any use permitted by a subsequent lease or licence is consistent with a use permitted by the previous lease or licence; and the previous lease was obtained before 31 October 2006 	☐ No	☐ Yes
(xvi) Creates lots for a purpose or is being carried out in association with development other than those stated in (i) – (xv) above	☐ No	☐ Yes

To the extent that the application involves **other development under (xvi) above** - the subdivision is prohibited and an application involving that component cannot be made..

- (ii) For any part of the premises, does the relevant planning scheme state a minimum lot size of greater than 100ha and is any lot resulting from the subdivision proposed to have a lot size less than that stated size?

☐ Yes – Complete Table 2
☐ No

TABLE 2 - Indicate whether or not the following circumstances apply to the subdivision proposal – (Tick if applicable)

The subdivision:	☐ No	☐ Yes
(i) Creates a residual lot	☐ No	☐ Yes
(ii) Creates the same number or fewer lots than the number of lots being subdivided	☐ No	☐ Yes
(iii) Creates a single additional lot when an existing lot is severed by a road that was gazetted before 2 March 2006	☐ No	☐ Yes
(iv) Creates a single additional lot for an emergency services facility	☐ No	☐ Yes
(v) Creates a single additional lot for a water cycle management infrastructure	☐ No	☐ Yes
(vi) Creates a single additional lot for waste management facility	☐ No	☐ Yes
(vii) Creates a single additional lot for telecommunications infrastructure	☐ No	☐ Yes
(viii) Creates a single additional lot for electricity infrastructure	☐ No	☐ Yes
(ix) Creates a single additional lot for cemetery or a crematorium	☐ No	☐ Yes
(x) Is being carried out in association with a development approval for a material change of use of premises that has not lapsed, if the development approval was for a development application that was made before 31 October 2006	☐ No	☐ Yes
(xi) Is being carried out in association with a development approval for a material change of use of premises that - <ul style="list-style-type: none"> was given for development made assessable under SEQ Regional Plan Regulatory Provisions, section 2.4, 2.6, 2.8, 2.10, 2.12, or 2.14; and has not lapsed 	☐ No	☐ Yes
(xii) Is in a rural village as defined under the SEQ Regional Plan Regulatory Provisions	☐ No	☐ Yes
(xiii) Is for a rural residential purpose for land located in the Mt Lindesay/North Beaudesert Study Area and - <ul style="list-style-type: none"> the development application or development application (superseded planning scheme) for the subdivision is properly made before 2 March 2008; and the subdivision relates to land located in a zone or equivalent designated area mentioned in a notice published in the gazette by the regional planning Minister 	☐ No	☐ Yes
(xiv) Is being carried out under - <ul style="list-style-type: none"> an exemption given by the regional planning Minister for an application for exemption lodged before 30 September 2005; and a development approval for a development application that is properly made within six months of the exemption being given by the regional planning Minister 	☐ No	☐ Yes
(xv) Involves the extension of an existing lease or licence over land if - <ul style="list-style-type: none"> no additional lots are created; and any use permitted by a subsequent lease or licence is consistent with a use permitted by the previous lease or licence; and the previous lease was obtained before 31 October 2006 	☐ No	☐ Yes
(xvi) Creates lots for a purpose or is being carried out in association with development other than those stated in (i) – (xv) above	☐ No	☐ Yes

To the extent that the application involves **other development under (xvi) above** - the subdivision is prohibited and an application involving that component cannot be made.

(iii) For all lots, other than those affected by (i) and (ii) above, are any lot resulting from the subdivision proposed to have a lot size of less than 100 hectares?

- ☐ Yes – Complete Table 3
☐ No

TABLE 3 - Indicate whether or not the following circumstances apply to the subdivision proposal – (Tick if applicable)

The subdivision:		
(i) Creates a residual lot	☐ No	☐ Yes
(ii) Creates the same number or fewer lots than the number of lots being subdivided	☐ No	☐ Yes
(iii) Creates a single additional lot when an existing lot is severed by a road that was gazetted before 2 March 2006	☐ No	☐ Yes
(iv) Creates a single additional lot for an emergency services facility	☐ No	☐ Yes
(v) Creates a single additional lot for a water cycle management infrastructure	☐ No	☐ Yes
(vi) Creates a single additional lot for waste management facility	☐ No	☐ Yes
(vii) Creates a single additional lot for telecommunications infrastructure	☐ No	☐ Yes
(viii) Creates a single additional lot for electricity infrastructure	☐ No	☐ Yes
(ix) Creates a single additional lot for cemetery or a crematorium	☐ No	☐ Yes
(x) Is being carried out in association with a development approval for a material change of use of premises that has not lapsed, if the development approval was for a development application that was made before 31 October 2006	☐ No	☐ Yes
(xi) Is being carried out in association with a development approval for a material change of use of premises that - <ul style="list-style-type: none"> was given for development made assessable under SEQ Regional Plan Regulatory Provisions, section 2.4, 2.6, 2.8, 2.10, 2.12, or 2.14; and has not lapsed 	☐ No	☐ Yes
(xii) Is in a rural village as defined under the SEQ Regional Plan Regulatory Provisions	☐ No	☐ Yes
(xiii) Is for a rural residential purpose for land located in the Mt Lindesay/North Beaudesert Study Area and - <ul style="list-style-type: none"> the development application or development application (superseded planning scheme) for the subdivision is properly made before 2 March 2008; and the subdivision relates to land located in a zone or equivalent designated area mentioned in a notice published in the gazette by the regional planning Minister 	☐ No	☐ Yes
(xiv) Is being carried out under - <ul style="list-style-type: none"> an exemption given by the regional planning Minister for an application for exemption lodged before 30 September 2005; and a development approval for a development application that is properly made within six months of the exemption being given by the regional planning Minister 	☐ No	☐ Yes
(xv) Involves the extension of an existing lease or licence over land if - <ul style="list-style-type: none"> no additional lots are created; and any use permitted by a subsequent lease or licence is consistent with a use permitted by the previous lease or licence; and the previous lease was obtained before 31 October 2006 	☐ No	☐ Yes
(xvi) Creates lots for a purpose or is being carried out in association with development other than those stated in (i) – (xv) above	☐ No	☐ Yes

To the extent that the application involves **other development under (xvi) above** - the subdivision is prohibited and an application involving that component cannot be made.

IP Regulation, schedule 2, table 2, item 35

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KOALA CONSERVATION

- 3.12 Is any part of the premises in a koala conservation area or koala sustainability area?
- ☐ No
☐ Yes
- If yes, will the proposed reconfiguration result in the following?
- An increased number of lots ☐ No ☐ Yes
 - Clearing of native vegetation over an area greater than 2,500m² ☐ No ☐ Yes
- If yes to either or both - this application must be referred to the Environmental Protection Agency (EPA) as Concurrence Agency.*
- IP Regulation, schedule 2, table 2, item 33*

CANAL DEVELOPMENT

- 3.13 Is the proposed reconfiguration in connection with the construction of a canal?
- ☐ No
☐ Yes - (Complete Part M) This application must be referred to the Environmental Protection Agency (EPA) as Concurrence Agency.
- IP Regulation, schedule 2, table 2, item 13(b)*

DECLARED CATCHMENT AREA

- 3.14 Is the proposed reconfiguration in an area declared to be a catchment area under the Water Act 2000?
- ☐ No
☐ Yes
- If yes, is any lot resulting from the reconfiguration proposed to be less than 16ha?
- ☐ No
☐ Yes - This application must be referred to the Department of Natural Resources and Water (NRW) as Concurrence Agency.
- IP Regulation, schedule 2, table 2, item 19*

PUBLIC PASSENGER TRANSPORT

- 3.15 Is the proposed reconfiguration listed in schedule 13A of the Integrated Planning Regulation 1998 and does it exceed the specified threshold?
- ☐ Yes - This application must be referred to Queensland Transport (QT) as Concurrence Agency.
☐ No
- IP Regulation, schedule 2, table 2, item 30*
IP Regulation, schedule 13A

RAIL TRANSPORT

- 3.16 Is the proposed reconfiguration listed in schedule 13B of the Integrated Planning Regulation 1998 and does it exceed the specified threshold?
- ☐ Yes - This application must be referred to Queensland Transport (QT) as Concurrence Agency.
☐ No
- IP Regulation, schedule 2, table 2, item 31*
IP Regulation, schedule 13B

WETLAND, CONSERVATION ESTATE																			
3.17	<p>Does the proposed reconfiguration result in more than 10 lots or any lot less than 5ha in area?</p> <p>☐ No</p> <p>☐ Yes – Answer (a) and (b) below</p> <p>(a) Does the proposed reconfiguration involve a lot situated in, or within 100m of, a wetland shown on the 'Map of referable wetlands'?</p> <p>☐ No</p> <p>☐ Yes - This application must be referred to the EPA as Advice Agency.</p> <p>(b) Does the reconfiguration involve a lot situated in, or within 100m of, the following?</p> <table border="0"> <tr> <td>• A protected area, forest reserve, critical habitat or area of major interest under the <i>Nature Conservation Act 1992</i></td> <td>☐ No</td> <td>☐ Yes</td> </tr> <tr> <td>• A State forest or timber reserve under the <i>Forestry Act 1959</i></td> <td>☐ No</td> <td>☐ Yes</td> </tr> <tr> <td>• A marine park under the <i>Marine Parks Act 2004</i></td> <td>☐ No</td> <td>☐ Yes</td> </tr> <tr> <td>• A recreation area under the <i>Recreation Area Management Act 1988</i></td> <td>☐ No</td> <td>☐ Yes</td> </tr> <tr> <td>• A world heritage area listed under the World Heritage Convention</td> <td>☐ No</td> <td>☐ Yes</td> </tr> <tr> <td>• Brisbane forest park under the <i>Brisbane Forest Park Act 1977</i></td> <td>☐ No</td> <td>☐ Yes</td> </tr> </table> <p><i>If yes to any one - this application must be referred to the Queensland Government department administering the relevant Act mentioned as Advice Agency</i></p> <p><i>IP Regulation, schedule 2, table 2, items 38 and 39</i></p>	• A protected area, forest reserve, critical habitat or area of major interest under the <i>Nature Conservation Act 1992</i>	☐ No	☐ Yes	• A State forest or timber reserve under the <i>Forestry Act 1959</i>	☐ No	☐ Yes	• A marine park under the <i>Marine Parks Act 2004</i>	☐ No	☐ Yes	• A recreation area under the <i>Recreation Area Management Act 1988</i>	☐ No	☐ Yes	• A world heritage area listed under the World Heritage Convention	☐ No	☐ Yes	• Brisbane forest park under the <i>Brisbane Forest Park Act 1977</i>	☐ No	☐ Yes
• A protected area, forest reserve, critical habitat or area of major interest under the <i>Nature Conservation Act 1992</i>	☐ No	☐ Yes																	
• A State forest or timber reserve under the <i>Forestry Act 1959</i>	☐ No	☐ Yes																	
• A marine park under the <i>Marine Parks Act 2004</i>	☐ No	☐ Yes																	
• A recreation area under the <i>Recreation Area Management Act 1988</i>	☐ No	☐ Yes																	
• A world heritage area listed under the World Heritage Convention	☐ No	☐ Yes																	
• Brisbane forest park under the <i>Brisbane Forest Park Act 1977</i>	☐ No	☐ Yes																	
HERITAGE																			
3.18	<p>Does the proposed reconfiguration involve a lot sharing a common boundary with a protected area or registered place under the <i>Queensland Heritage Act 1992</i>?</p> <p>☐ No</p> <p>☐ Yes - This application must be referred to the Queensland Heritage Council (QHC) as Advice Agency.</p> <p><i>IP Regulation, schedule 2, table 2, item 41</i></p>																		
<p>WILD RIVER AREA – Although legislation provides for assessment of lot reconfiguration for the purposes of the Wild Rivers Act 2005, currently no declarations for any of the wild river areas apply the Wild Rivers code to that type of development.</p>																			

SECTION 4

Section 4 must be completed when the application seeks approval to carry out operational work.

PLANNING SCHEME	
4.1	<p>Is any of the proposed operational work assessable under a planning scheme?</p> <p>☐ No – (Go to Question 4.2 below)</p> <p>☐ Yes – (Complete Part E of IDAS Application Form 1 and Questions 4.1.1 – 4.1.8 below)</p>
STATE-CONTROLLED ROAD	
4.1.1	<p>Is any part of the premises within 100m of a State-controlled road, or part of a future State-controlled road?</p> <p>☐ No</p> <p>If no, is the proposed operational work for filling or excavating listed in <i>Integrated Planning Regulation 1998</i>, schedule 5 and does it exceed the threshold?</p> <p>☐ No</p> <p>☐ Yes - This application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.</p> <p>☐ Yes</p> <p>If yes, is all of the proposed operational work associated with the following?</p> <ul style="list-style-type: none"> • A material change of use that is assessable under the planning scheme ☐ No ☐ Yes • Reconfiguring a lot that does not increase the total number of lots and does not increase the total number of lots abutting the State-controlled road ☐ No ☐ Yes <p><i>If no to either or both - Answer (a) - (c) below</i></p> <p>(a) Is any of the proposed operational work associated with access to a State-controlled road?</p> <p>☐ No</p> <p>☐ Yes - This application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.</p> <p>(b) Is any of the proposed operational work for filling or excavation?</p> <p>☐ No</p> <p>☐ Yes</p> <p>If yes, is the operational work proposed in a future State-controlled road defined by route?</p> <p>☐ No - This application must be referred to the Department of Main Roads (DMR) as Advice Agency.</p> <p>☐ Yes - This application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.</p> <p>(c) Does any of the proposed operational work involve the redirection or intensification of site stormwater from the land, through a pipe with a cross-sectional area greater than 625cm² that directs stormwater to a State-controlled road?</p> <p>☐ No</p> <p>☐ Yes</p> <p>If yes, is the operational work proposed in a future State-controlled road defined by route?</p> <p>☐ No - This application must be referred to the Department of Main Roads (DMR) as Advice Agency.</p> <p>☐ Yes - This application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.</p>

IP Regulation, schedule 2, table 3, item 3
IP Regulation, schedule 2, table 3, item 1(b)

ACID SULFATE SOILS

4.1.2 Is any of the operational work proposed in a local government area listed⁴ in *State Planning Policy 2/02: Planning and Managing Development Involving Acid Sulfate Soils*?

- ☐ No
☐ Yes

If yes, is the natural ground level of any point where work is being carried out less than 20m AHD?

- ☐ No
☐ Yes

If yes, does the proposed operational work involve the following?

- Excavating more than 1,000m³ of soil or sediment at or below 5m AHD ☐ No ☐ Yes
- Filling the premises with 1,000m³ or more of material with an average depth of 0.5m on land, soil or sediment at or below 5m AHD ☐ No ☐ Yes

If yes to either or both - this application must be referred to the Department of Natural Resources and Water (NRW) as Advice Agency

IP Regulation, schedule 2, table 3, item 4

State Planning Policy 2/02: Planning and Managing Development Involving Acid Sulfate Soils, section 3.6

EASEMENTS AND SUBSTATIONS

4.1.3 Is any of the proposed operational work for filling or excavation?

- ☐ No
☐ Yes

If yes, is the filling or excavation associated with reconfiguring a lot?

- ☐ Yes
☐ No - Answer both (a) and (b) below

(a) Is any part of the premises subject to an easement in favour of a distribution entity or transmission entity under the *Electricity Act 1994*?

- ☐ No
☐ Yes

If yes, is any of the operational work proposed to be located in any part of the easement?

- ☐ No
☐ Yes - This application must be referred to the entity as Advice Agency.

(b) Is any of the operational work proposed to be located within 10m of a substation site under the *Electricity Act 1994*?

- ☐ No
☐ Yes - This application must be referred to the entity responsible for the substation as Advice Agency.

IP Regulation, schedule 2, table 3 item 10(a)

IP Regulation, schedule 2, table 3, item 10(b)

4.1.4 Is any part of the premises subject to an easement in favour of the holder of Pipeline Licence Number 1 issued under the *Petroleum Act 1923* for the construction or operation of the Moonie to Brisbane strategic pipeline under that Act?

- ☐ No
☐ Yes

If yes, is any of the proposed operational work for filling, excavation, compaction, drilling, boring or piping, not associated with reconfiguring a lot?

- ☐ No
☐ Yes

If yes, is any of the operational work proposed to be located in any part of the easement?

- ☐ No
☐ Yes - This application must be referred to the licence holder as Advice Agency.

IP Regulation, schedule 2, table 3, item 17

⁴ Aurukun, Bowen, Brisbane, Broadsound, Bundaberg, Burdekin, Burke, Burnett, Caboolture, Cairns, Calliope, Caloundra, Cardwell, Carpentaria, Cook, Cooloola, Douglas, Fitzroy, Gladstone, Gold Coast, Hervey Bay, Hinchinbrook, Isis, Johnstone, Livingstone, Logan, Mackay, Maroochy, Maryborough, Miriam Vale, Mornington, Noosa, Pine Rivers, Redcliffe, Redland, Rockhampton, Sarina, Thuringowa, Tiaro, Torres, Townsville, Whitsunday.

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PUBLIC PASSENGER TRANSPORT

4.1.5 Is any of the proposed operational work listed in schedule 13C of the *Integrated Planning Regulation 1998* and does it exceed the specified threshold?

- ☐ No
☐ Yes - This application must be referred to Queensland Transport (QT) as Concurrence Agency.

IP Regulation, schedule 2, table 3, item 14

RAILWAY SAFETY AND EFFICIENCY

4.1.6 Is any of the proposed operational work listed in schedule 13D of the *Integrated Planning Regulation 1998* and does it exceed the specified threshold?

- ☐ No
☐ Yes - This application must be referred to Queensland Transport (QT) as Concurrence Agency.

IP Regulation, schedule 2, table 3, item 15

KOALA CONSERVATION

4.1.7 Is any part of the premises in a koala conservation area or koala sustainability area?

- ☐ No
☐ Yes

If yes, is all of the proposed operational work associated with a material change of use or reconfiguring a lot for which referral is required in relation to koala conservation (i.e. did you answer 'yes' to all questions in either Q2.1.8 or Q 3.12)?

- ☐ Yes
☐ No

If no, is the proposed operational work for a domestic activity, as defined by the IPA?

- ☐ Yes
☐ No

If no, will the activity result in the following?

- Clearing of native vegetation over an area greater than 2,500m² ☐ No ☐ Yes
- Extracting gravel, rock or sand from an area greater than 5,000m² ☐ No ☐ Yes
- Excavating or filling an area greater than 5,000m² ☐ No ☐ Yes

If yes to one or more - this application must be referred to the Environmental Protection Agency (EPA) as Concurrence Agency.

IP Regulation, schedule 2, table 3, item 19

WILD RIVER AREA - Although legislation provides for assessment of operational works for residential, commercial and industrial development for the purposes of the *Wild Rivers Act 2005*, currently no declarations for any of the wild river areas apply the Wild Rivers code to that type of development.

ASSOCIATED WITH RECONFIGURING A LOT; RESIDENTIAL, COMMERCIAL OR INDUSTRIAL DEVELOPMENT IN A WILD RIVER AREA

4.2 Is any of the proposed operational work associated with reconfiguring a lot, if the reconfiguration is also assessable?

- ☐ No
☐ Yes

If yes, is any part of the premises in a wild river area declared under the *Wild Rivers Act 2005*?

- ☐ No - (Complete Part E) The operational work associated with reconfiguring is assessed by the local government.
☐ Yes

If yes, is the proposed operational work for residential, commercial or industrial purposes outside a designated urban area, as defined by the *Wild Rivers Act 2005*?

- ☐ No - (Complete Part E) The operational work associated with reconfiguring is assessed by the local government.
☐ Yes (Complete Part E) The operational work associated with reconfiguring is assessed by the local government, and subject to the declaration for the relevant wild river area, assessment by the local government is required for the purposes of the *Wild Rivers Act 2005*.

IPA, schedule 8, part 1, table 4, item 2

IP Regulation, schedule 1, part 2, table 5, item 1(c)

Wild Rivers code (Note: the code does not currently contain applicable provisions for residential, industrial or commercial development inside a designated urban area)

VEGETATION CLEARING: KOALA CONSERVATION: WILD RIVER AREA

4.3

Is any of the proposed operational work for the clearing of native vegetation to which the *Vegetation Management Act 1999* applies?

- ☐ No
☐ Yes

If yes, is the proposed clearing assessable (i.e. not an exception) under schedule 8, part 1, table 4 of the IPA?

- ☐ No
☐ Yes

If yes, is the proposed vegetation clearing a **relevant purpose** under the *Vegetation Management Act 1999*, section 22A for one or more of the following?

- | | | |
|--|-----------------------------|------------------------------|
| (a) A project declared to be a significant project under the <i>State Development and Public Works Organisation Act 1971</i> , section 26 | ☐ No | ☐ Yes |
| (b) Necessary to control non-native plants or declared pest | ☐ No | ☐ Yes |
| (c) To ensure public safety | ☐ No | ☐ Yes |
| (d) For establishing a necessary fence, firebreak, road or vehicle track, or for constructing necessary built infrastructure, if there is no suitable alternative site for the fence, firebreak, road, track or infrastructure | ☐ No | ☐ Yes |
| (e) A natural and ordinary consequence of other assessable development for which a development approval as defined under the Planning Act was given, or a development application as defined under the Planning Act was made, before 16 May 2003 | ☐ No | ☐ Yes |
| (f) For fodder harvesting | ☐ No | ☐ Yes |
| (g) For thinning | ☐ No | ☐ Yes |
| (h) For clearing of encroachment | ☐ No | ☐ Yes |
| (i) For an extractive industry | ☐ No | ☐ Yes |
| (j) For clearing regrowth on leases issued under the <i>Land Act 1994</i> for agriculture or grazing purposes | ☐ No | ☐ Yes |
| (k) For clearing regrowth on freehold land, or indigenous land, in a wild river high preservation area. | ☐ No | ☐ Yes |

If no to all – the clearing is not a relevant purpose and the Assessment Manager must refuse to receive the application.

If yes to any one, is the proposed clearing associated with a material change of use or reconfiguring a lot for which referral is required in relation to clearing vegetation (i.e. did you answer 'yes' to all questions in either Q2.1.4 or Q 3.3)?

- ☐ Yes
☐ No – Answer (a) (b) and (c) below.

Unless the advice provided below (in relation to all elements of the proposed clearing) is "The clearing is not a relevant purpose and the Assessment Manager must refuse to receive the application" – Complete Part J. This application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager, the agency has jurisdiction as Concurrence Agency.

- (a) Is any of the proposed clearing in an area declared as an area of high nature conservation value (other than a wild river declared area) or an area vulnerable to land degradation under the *Vegetation Management Act 1999*?

- ☐ No
☐ Yes

If yes, is any of the proposed clearing for (e), (f), (i) or (j) above?

- ☐ No
☐ Yes – The clearing is not a relevant purpose and the Assessment Manager must refuse to receive the application

(b) Is any of the proposed clearing in a wild river high preservation area declared under the *Wild Rivers Act 2005*?

- ☐ No
☐ Yes – Answer (i) and (ii) below

(i) Is any of the proposed clearing for (a), (f), (g) or (i) above?

☐ No - Subject to the declaration for the relevant wild river area, the application requires assessment for the purposes of the *Wild Rivers Act 2005*.

☐ Yes

If yes, is there an approved property development plan applying to the land?

☐ No - The clearing is not a relevant purpose and the Assessment Manager must refuse to receive the application.

☐ Yes - Unless the application is consistent with any approved property development plan applying to the land, the Assessment Manager must refuse to receive it. Subject to the declaration for the relevant wild river area, the application requires assessment for the purposes of the *Wild Rivers Act 2005*.

(ii) Is any of the proposed clearing in a registered area of agriculture on a registered area of agriculture map?

- ☐ Yes
☐ No

If no, is any of the clearing for (j) or (k) above?

☐ No - Subject to the declaration for the relevant wild river area, the application requires assessment for the purposes of the *Wild Rivers Act 2005*.

☐ Yes

If yes, is there an approved property development plan applying to the land?

☐ No - The clearing is not for a relevant purpose and the Assessment Manager must refuse to receive the application

☐ Yes - Unless the application is consistent with any approved property development plan applying to the land, the Assessment Manager must refuse to receive it. Subject to the declaration for the relevant wild river area, the application requires assessment for the purposes of the *Wild Rivers Act 2005*.

(c) Is any of the proposed clearing in a koala conservation area or koala sustainability area?

- ☐ No
☐ Yes

If yes, is any of the proposed clearing associated with reconfiguring a lot for which referral is required in relation to proposed clearing in a koala conservation area or koala sustainability area (i.e. did you answer 'yes' to all questions in Q3.12)?

- ☐ Yes
☐ No

If no, is any of the proposed clearing over an area greater than 2,500m²?

- ☐ No
☐ Yes - This application must be referred to the Environmental Protection Agency (EPA) as Concurrence Agency.

IPA, schedule 8, part 1, table 4, items 1A-1G
 IP Regulation, schedule 2, table 2, item 5 (vegetation clearing)
 IP Regulation, schedule 2, table 2, item 34 (koala conservation)
 IP Regulation, schedule 1, part 3, table 4, item (vegetation clearing/wild river area)
 Vegetation Management Act 1999, section 22A (vegetation clearing/wild river area)
 Wild Rivers Act 2005, sections 31F and 43A

TAKING OR INTERFERING WITH WATER: WILD RIVER AREA

4.4 Is any of the proposed operational work to allow, under the *Water Act 2000*, for **taking or interfering with water from a watercourse, lake or spring** (other than under the *Water Act 2000*, section 20(2), (3) or (5)), or from a dam constructed on a watercourse?

☐ No

☐ Yes - This application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency

If yes, is any of the proposed operational work to be carried out in a wild river area under the *Wild Rivers Act 2005*?

☐ Yes - Depending on the purpose of the operational work and its proposed location in the wild river area, assessment may be required for the purposes of the *Wild Rivers Act 2005*. Also, in certain circumstances an application for operational work is taken to be not properly made and the Assessment Manager must refuse to receive the application. (The relevant form for an application would depend on the nature of the work)

☐ No

If no, is the work for the following?

• A water pump	☐ No	☐ Yes (Complete Part K ₂)
• Water storage	☐ No	☐ Yes (Complete Part K ₃)
• Gravity diversion from a watercourse	☐ No	☐ Yes (Complete Part K ₄)
• Watercourse diversion	☐ No	☒ Yes (Complete Part K ₅)
• Other work for taking or interfering with water	☐ No	☐ Yes (Complete Part K ₆)

IPA, schedule 8, part 1, table 4, items 3(a)
IP Regulation, schedule 2, table 2, item 8
IP Regulation, schedule 1, part 3, table 4, items 3 and 3A
Water Act 2000, section 966A (wild river area)
Wild Rivers Act 2005, section 43A

4.5 Is any of the proposed operational work to allow, under the *Water Act 2000*, for taking or interfering with **artesian water**?

☐ No

☐ Yes - (Complete Part K₁) This application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

IPA, schedule 8, part 1, table 4, item 3(b)
IP Regulation, schedule 2, table 2, item 8
IP Regulation, schedule 1, part 3, table 4, item 3
Wild Rivers code (Note: the code does not currently contain applicable provisions for taking or interfering with artesian water)

4.6 Is any of the proposed operational work to allow, under the *Water Act 2000*, for **taking overland flow water**?

☐ No

☐ Yes - Answer (a) and (b) below

(a) Are the operations mentioned as assessable development in the following?

• A water resource plan under the <i>Water Act 2000</i>	☐ No	☐ Yes
• A regulation under the IPA or another Act	☐ No	☐ Yes

If yes to either or both - (Complete Part K₇). This application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

(b) Is any of the proposed operational work mentioned as assessable in a wild river declaration and to be carried out in a wild river area declared under the *Wild Rivers Act 2005*?

☐ No

☐ Yes - Depending on the purpose of the operational work and its proposed location in the wild river area, assessment may be required for the purposes of the *Wild Rivers Act 2005*. Also, in certain circumstances an application for operational work is taken to be not properly made and the Assessment Manager must refuse to receive it. (Complete Part K₈ if an application is made.)

IPA, schedule 8, part 1, table 4, item 3(c)(i)
IP Regulation, schedule 2, table 2, item 8
IP Regulation, schedule 1, part 3, table 4, item 3
Water Act 2000, section 966A (wild river area)
Wild Rivers Act 2005, section 43A

INTEGRATED PLANNING ACT 1997

IDAS Assessment Checklist, Version 21.0, 3 September 2007

4.7	<p>Is any of the proposed operational work to allow, under the <i>Water Act 2000</i>, for taking or interfering with subartesian water?</p> <p>☐ No ☐ Yes</p> <p>If yes, are the operations mentioned as assessable development in the following?</p> <ul style="list-style-type: none"> • A water resource plan under the <i>Water Act 2000</i> ☐ No ☐ Yes • A regulation under the IPA or another Act ☐ No ☐ Yes <p><i>If yes to either or both - (Complete Part K₁) This application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.</i></p> <p><small>IPA, schedule 8, part 1, table 4, item 3(c)(ii) IP Regulation, schedule 2, table 2, item 8 IP Regulation, schedule 1, part 3, table 4, item 3 Water Act 2000, section 966A (wild river area) (Note: no current Wild River declaration identifies taking or interfering with subartesian water as assessable) Wild River code (Note: the code does not currently contain applicable provisions for subartesian water)</small></p>
4.8	<p>Is any of the proposed operational work to allow, under the <i>Water Act 2000</i>, for interfering with overland flow water?</p> <p>☐ No ☐ Yes - Answer both (a) and (b) below</p> <p>(a) Is the proposed operational work to be carried out in a wild river area declared under the <i>Wild Rivers Act 2005</i>?</p> <p>☐ Yes - Depending on the purpose of the operational work and its proposed location in the wild river area, assessment may be required for the purposes of the <i>Wild Rivers Act 2005</i>. Also, in certain circumstances an application for operational work is taken to be not properly made and the Assessment Manager must refuse to receive it. (Complete Part K₁₀ if an application is made.)</p> <p>☐ No</p> <p>If no, are the operations mentioned as assessable development in the following?</p> <ul style="list-style-type: none"> • A water resource plan under the <i>Water Act 2000</i> ☐ No ☐ Yes • A regulation under the IPA or another Act ☐ No ☐ Yes <p><i>If yes to either or both - (Complete Part K₁₀) This application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.</i></p> <p>(b) Is the interfering with overland flow water proposed in an area declared under the <i>Water Act 2000</i> to be a drainage and embankment area (other than a wild river floodplain management area) and declared to be assessable under that Act?</p> <p>☐ No ☐ Yes - (Complete Part K₁₀) This application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.</p> <p><small>IPA, schedule 8, part 1, table 4, items 3(c)(f) and 3(d) IP Regulation, schedule 2, table 2, item 9 IP Regulation, schedule 1, part 3, table 4, item 3A Water Act 2000, section 966B (wild river area)</small></p>
4.9	<p>Is the proposed operational work for the following?</p> <ul style="list-style-type: none"> • For the construction of a referable dam as defined under the <i>Water Act 2000</i> ☐ No ☐ Yes • To increase the storage capacity of a referable dam by more than 10% ☐ No ☐ Yes <p><i>If yes to either or both - (Complete Part K₅) This application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.</i></p> <p><small>IPA, schedule 8, part 1, table 4, item 4 IP Regulation, schedule 2, table 2, item 10</small></p>

TIDAL WORK; WILD RIVER AREA

4.10 Is any of the proposed operational work tidal work, other than excluded work defined under the IPA?

☐ No☐ Yes – Answer (a) and (b) below

(a) Is any of the proposed tidal work prescribed tidal work?

☐ YesIf yes, is any of the proposed prescribed tidal work to be carried out in a wild river area declared under the *Wild Rivers Act 2005*?☐ No

If no, is the work proposed in a canal?

☐ No

If no, is any of the proposed tidal work for a marina with more than 6 vessel berths?

☐ No – (Complete Part P). If the Environmental Protection Agency (EPA) is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. The application also requires assessment by Queensland Transport (Maritime Safety Qld) as Concurrence Agency.☐ Yes – (Complete Part P). If the Environmental Protection Agency (EPA) is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. The application also requires assessment by Queensland Transport (Maritime Safety Qld) as Concurrence Agency and Qld Fire and Rescue Service as Advice Agency.☐ Yes

If yes, is any of the proposed tidal work for a marina with more than 6 vessel berths?

☐ No – (Complete Part P). This application must be referred to Queensland Transport (Maritime Safety Qld) as Concurrence Agency.☐ Yes – (Complete Part P). This application must be referred to Queensland Transport (Maritime Safety Qld) as Concurrence Agency and Qld Fire and Rescue Service as Advice Agency.☐ YesIf yes, is all of the proposed prescribed tidal work for specified works under the *Wild Rivers Act 2005*?☐ No – An application for the operational work would be taken to be not properly made and the Assessment Manager must refuse to receive it.☐ Yes

If yes, is the work proposed in a canal?

☐ No

If no, is any of the proposed tidal work for a marina with more than 6 vessel berths?

☐ No – Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it (Complete Part P) If the Environmental Protection Agency (EPA) is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. The application also requires assessment by Queensland Transport (Maritime Safety Qld) as Concurrence Agency and assessment for the purposes of the *Wild Rivers Act 2005*.☐ Yes – Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it (Complete Part P) If the Environmental Protection Agency (EPA) is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. The application also requires assessment by Queensland Transport (Maritime Safety Qld) as Concurrence Agency and Qld Fire and Rescue Service as Advice Agency. Subject to the declaration for the relevant wild river area, the application also requires assessment for the purposes of the *Wild Rivers Act 2005*.☐ Yes

If yes, is any of the proposed tidal work for a marina with more than 6 vessel berths?

- ☐ No - Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it (Complete Part P) This application must be referred to Queensland Transport (Maritime Safety Qld) as Concurrence Agency. Subject to the declaration for the relevant wild river area, the application also requires assessment for the purposes of the Wild Rivers Act 2005.
- ☐ Yes - Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it (Complete Part P) This application must be referred to Queensland Transport (Maritime Safety Qld) as Concurrence Agency and Qld Fire and Rescue Service as Advice Agency. The application also requires assessment for the purposes of the Wild Rivers Act 2005.

☐ No

If no, is any of the proposed tidal work to be carried out in a wild river area declared under the Wild Rivers Act 2005?

☐ Yes

If yes, is all of the proposed operational work for specified works under the Wild Rivers Act 2005?

☐ No - An application for the operational work would be taken to be not properly made and the Assessment Manager must refuse to receive it.

☐ Yes

If yes, is any of the proposed tidal work for a marina with more than 6 vessel berths?

☐ No - Unless the application is consistent with any property development plan applying to the land, the assessment manager must refuse to receive it (Complete Part M) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. The application also requires assessment by Queensland Transport (Maritime Safety Qld) as Concurrence Agency and, subject to the declaration for the relevant wild river area, assessment for the purposes of the Wild Rivers Act 2005.

☐ Yes - Unless the application is consistent with any property development plan applying to the land, the assessment manager must refuse to receive it (Complete Part M) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. The application also requires assessment by Queensland Transport (Maritime Safety Qld) as Concurrence Agency and Qld Fire and Rescue Service as Advice Agency. Subject to the declaration for the relevant wild river area, the application also requires assessment for the purposes of the Wild Rivers Act 2005.

☐ No

If no, is any of the proposed tidal work for a marina with more than 6 vessel berths?

☐ No - (Complete Part M) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. The application also requires assessment by Queensland Transport (Maritime Safety Qld) as Concurrence Agency.

☐ Yes - (Complete Part M) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. The application also requires assessment by Queensland Transport (Maritime Safety Qld) as Concurrence Agency and Qld Fire and Rescue Service as Advice Agency.

(b) Is any of the proposed tidal work to be carried out in one or more of the following tidal areas?

- One only local government tidal area ☐ No ☐ Yes
- Starting in one local government tidal area and extending into another local government tidal area (but in no strategic port tidal area) ☐ No ☐ Yes
- In two or more local government tidal areas but not starting in either local government tidal area ☐ No ☐ Yes
- One only strategic port tidal area ☐ No ☐ Yes
- A tidal area that is not a strategic port tidal area or a local government tidal area ☐ No ☐ Yes

IPA, schedule 3, part 1, table 4, item 5

IP Regulation, schedule 2, table 2, items 12, 14 and 17

IP Regulation, schedule 1, part 3, table 4, items 4A and 5

Coastal Protection and Management Act 1995, section 104A (wild river area)

COASTAL MANAGEMENT DISTRICT - WILD RIVER AREA

4.11 Is any of the operational work proposed to be carried out within a coastal management district?

- ☐ No
☐ Yes

If yes, is the proposed operational work for the following?

- | | | |
|---|-----------------------------|------------------------------|
| • Interfering with quarry material on State coastal land above high-water mark | ☐ No | ☐ Yes |
| • Disposing of dredge spoil or other solid waste material in tidal water | ☐ No | ☐ Yes |
| • Draining or allowing drainage or flow water or other matter across State coastal land above high-water mark | ☐ No | ☐ Yes |
| • Constructing or installing works in a watercourse where the works are not assessable under IPA, schedule 8, part 1, table 4, items 3 or 4 | ☐ No | ☐ Yes |
| • Reclaiming land under tidal water | ☐ No | ☐ Yes |
| • Constructing an artificial waterway, other than a canal, associated with reconfiguring a lot | ☐ No | ☐ Yes |
| • Constructing an artificial waterway that is a canal, associated with reconfiguring a lot | ☐ No | ☐ Yes |
| • Constructing an artificial waterway not associated with reconfiguring a lot on land, other than State coastal land, above high-water if the maximum surface area of water on the waterway is at least 5,000m ² | ☐ No | ☐ Yes |
| • Constructing a bank or bund wall to establish a ponded pasture on land, other than State coastal land, above high-water mark | ☐ No | ☐ Yes |
| • Removing or interfering with coastal dunes on land, other than State coastal land, that is in an erosion prone area and above high-water mark | ☐ No | ☐ Yes |

If yes to one or more, is any of the proposed work to be carried out in a wild river area under the *Wild Rivers Act 2005*?

- ☐ No - (Complete Part M) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency. If yes, above, to any shown **bold** and marked with the symbol **Ⓜ**, the application also requires assessment by Queensland Transport (Marine Safety Qld) as Concurrence Agency.

- ☐ Yes

If yes, is all of the proposed operational work for specified works under the *Wild Rivers Act 2005*?

- ☐ Yes - Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it (Complete Part M) This application requires assessment by the Environmental Protection Agency (EPA). If EPA is not the Assessment Manager for the application, the agency has jurisdiction as concurrence Agency. If yes, above, to any shown **bold** and marked with the symbol **Ⓜ**, the application also requires assessment by Queensland Transport (Marine Safety Qld) as Concurrence Agency. Subject to the declaration for the relevant wild river area, the application also requires assessment for the purposes of the *Wild Rivers Act 2005*.

- ☐ No - An application for the operational work would be taken to be not properly made and the Assessment Manager must refuse to receive it.

IPA, schedule 8, part 1, table 4, item 5

IP Regulation, schedule 2, table 2, items 12 and 14

IP Regulation, schedule 1, part 3, table 4, items 4A and 5

Coastal Protection and Management Act 1995 Act 1995, section 104A (wild river area)

Wild Rivers Act 2005, section 43A

WATERWAY BARRIER WORKS: WILD RIVER AREA

4.12 Is any of the proposed operational work for constructing or raising waterway barrier works under the *Fisheries Act 1994*?

- ☐ No
☐ Yes

If yes, is any of the proposed operational work to be carried out in a wild river area declared under the *Wild Rivers Act 2005*?

- ☐ No

If no, is all of the operational work for constructing or raising waterway barrier works -

- intended to exist for no more than 28 days; and
- built or raised in freshwater; and
- no more than 20m in length and no more than 3m in height from the lowest point on the stream bed?

- ☐ Yes
☐ No

If no, is all of the operational work for constructing or raising waterway barrier works -

- more than 100km from the coastline; and
- in the smallest unbranched tributary of a catchment or a stream into which that tributary flows

- ☐ Yes

- ☐ No - (Complete Part O₃) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F). If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

- ☐ Yes

If yes, is any of the proposed operational work to be carried out in a wild river high preservation area?

- ☐ No - Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it (Complete Part O₃) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F), and, subject to the declaration for the relevant wild river area, assessment for the purposes of the *Wild Rivers Act 2005*. If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.
- ☐ Yes - An application for the operational work would be taken to be not properly made and the Assessment Manager must refuse to receive it.

IPA, schedule 8, part 1, table 4, item 6

IPA, schedule 8, part 2, table 4, item 2

IP Regulation, schedule 2, table 2, item 28

IP Regulation, schedule 1, part 3, table 4, item 6

Fisheries Act 1994, section 76D (wild river area)

Wild Rivers Act 2005, section 43A

DECLARED FISH HABITAT AREA: WILD RIVER AREA

4.13 Is any of the proposed operational work to be carried out completely or partly within a declared fish habitat area under the *Fisheries Act 1994*

- ☐ No
☐ Yes

If yes, indicate what the operational work is reasonable necessary for (Tick applicable box/es)

- The maintenance of existing structures, including for example the following structures, if the structures were constructed in compliance with all the requirements, under any Act, relating to a structure of that type – ☐ No ☐ Yes
 - Boat ramps, boardwalks, drains, fences, jetties, roads, safety signs, swimming enclosures and weirs;
 - Existing powerlines or associated powerline infrastructure
- Educational or research purposes relating to the fish habitat area ☐ No ☐ Yes
- Monitoring the impact of development on the declared fish habitat area ☐ No ☐ Yes
- Other purposes ☐ No ☐ Yes

If yes to "other purposes", is that proposed operational work to be carried out in a wild river area declared under the *Wild Rivers Act 2005*?

- ☐ No - (Complete Part O₂) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F). If DPI&F is not the Assessment Manager for the application, the agency will have jurisdiction as Concurrence Agency.

- ☐ Yes

If yes, is all of the proposed operational work for specified works under the *Wild Rivers Act 2005*?

- ☐ Yes - Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it. (Complete Part O₂) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F) and assessment for the purposes of the *Wild Rivers Act 2005*. If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

- ☐ No

If no, is any of the proposed operational work to be carried out in a wild river high preservation area?

- ☐ No - Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it. (Complete Part O₂) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F) and, subject to the declaration for the relevant wild river area, assessment for the purposes of the *Wild Rivers Act 2005*. If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

- ☐ Yes - An application for the operational work would be taken to be not properly made and the assessment manager must refuse to receive the application.

IPA, schedule 8, part 1, table 4, item 7

IPA, schedule 8, part 2, table 4, item 3

IP Regulation, schedule 2, table 2, item 25

IP Regulation, schedule 1, part 3, table 4, item 7

Wild Rivers Act 2005, sections 43A

Fisheries Act, section 76DC (wild river area)

REMOVAL, DESTRUCTION OR DAMAGE OF A MARINE PLANT; WILD RIVER AREA**4.14** Is any of the proposed operational work removing, destroying or damaging marine plants under the *Fisheries Act 1994*?

- ☐ No
☐ Yes

If yes, indicate what the proposed operational work is reasonably necessary for (Tick applicable box/es)

- The removal, destruction or damage of dead marine wood on unallocated State land, other than in a wild river area, for trade or commerce ☐ No ☐ Yes
- The maintenance of existing structures, including, for example, the following structures, if the structures were constructed in compliance with all the requirements, under any Act, relating to a structure of that type — ☐ No ☐ Yes
 - boat ramps, boardwalks, drains, fences, jetties, roads, safety signs, swimming enclosures and weirs;
 - existing drainage structures;
 - existing powerlines or associated powerline infrastructure
- For educational or research purposes or for the monitoring the impact of development on marine plants ☐ No ☐ Yes
- Other purposes ☐ No ☐ Yes

If yes to "other purposes", is that proposed operational work to be carried out in a wild river area declared under the *Wild River Act 2005*?

- ☐ No - (Complete Part O₂) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F). If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

- ☐ Yes

If yes, is all of the proposed operational work for specified works under the *Wild Rivers Act 2005*?

- ☐ Yes - Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it. (Complete Part O₂) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F) and, subject to the declaration for the relevant wild river area, assessment for the purposes of the *Wild Rivers Act 2005*. If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

- ☐ No

If no, is all of the proposed operational work necessary and unavoidable part of installing or maintaining works or infrastructure required to support other development for which a development permit is not required or, if a development permit is required, the permit is held or has been applied for?

- ☐ Yes - Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it. (Complete Part O₂) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F) and, subject to the declaration for the relevant wild river area, assessment for the purposes of the *Wild Rivers Act 2005*. If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

- ☐ No - An application for the operational work would be taken to be not properly made and the Assessment Manager must refuse to receive it.

IPA, schedule 8, part 1, table 4, item 3
 IPA, schedule 8, part 2, table 4, item 4
 IP Regulation, schedule 2, table 2, item 29
 IP Regulation, schedule 1, part 3, table 4, item 8
 Fisheries Act 1994, section 76DB (wild river area)
 Wild Rivers Act 2005, section 43A

WILD RIVER AREA**4.15** Is any of the operational work proposed to be carried out in a wild river area declared under the *Wild River Act 2005*?

- ☐ No
☐ Yes

If yes, is the proposed operational work for the following and also declared under the wild river declaration for the areas to be assessable?

- Agricultural activities as defined under the *Wild Rivers Act 2005* ☐ No ☐ Yes
- Animal husbandry activities as defined under the *Wild Rivers Act 2005* ☐ No ☐ Yes

If yes to either, is any part of the premises in the wild river **high preservation area**?

- ☐ Yes - An application for the operational work will be taken to be not properly made and the Assessment Manager must refuse to receive it.
- ☐ No

If no, is the proposed use in relation to the production of a **high risk species** as defined under the *Wild Rivers Act 2005*?

- ☐ Yes - An application for the operational work would be taken to be not properly made and the Assessment Manager must refuse to receive it.
- ☐ No - Unless the application is consistent with any property development plan applying to the land, the Assessment Manager must refuse to receive it (Complete Part Q if agriculture. Complete Part R if animal husbandry) Subject to the declaration for the relevant wild river area, this application requires assessment by the Department of Natural Resources and Water (NRW). If NRW is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

IPA, schedule 8, part 1, table 4, item 10
 IP Regulation, schedule 2, table 2, item 37
 Wild Rivers Act 2005, sections 42, 43A

STATE-CONTROLLED ROAD

4.16 Is any part of the premises within 100m of a State-controlled road, or part of a future State-controlled road?

- ☐ No
☐ Yes

If yes, is what the proposed operational work is associated with (Tick applicable box/es)

- A material change of use that is assessable under the planning scheme ☐ No ☐ Yes
- Reconfiguring a lot that does not increase the total number of lots and does not increase the total number of lots abutting the State-controlled road ☐ No ☐ Yes
- Other ☐ No ☐ Yes

If yes to "other", and answers to questions in this section of the checklist indicate the proposed operational work is assessable under IPA, schedule 8 – Answer (a) to (c) below

(a) Is any of the proposed operational work associated with access to a State-controlled road?

- ☐ No
☐ Yes - This application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.

(b) Is any of the proposed operational work for filling or excavation?

- ☐ No
☐ Yes

If yes, is the operational work proposed in a future State-controlled road defined by route?

- ☐ No - This application must be referred to the Department of Main Roads (DMR) as Advice Agency.
☐ Yes - This application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.

(c) Does any of the proposed operational work involve the redirection or intensification of site stormwater from the land, through a pipe with a cross-sectional area greater than 625cm² that directs stormwater to a State-controlled road?

- ☐ No
☐ Yes

If yes, is the operational work proposed in a future State-controlled road defined by route?

- ☐ No - This application must be referred to the Department of Main Roads (DMR) as Advice Agency.
☐ Yes - This application must be referred to the Department of Main Roads (DMR) as Concurrence Agency.

IP Regulation, schedule 2, table 2, item 3

SECTION 5

The following question only applies when the application is seeking approval to carry out **building work** to the extent the work is in a declared fish habitat area.

DECLARED FISH HABITAT AREA

5.1 Is the proposed building work in a declared fish habitat area under the *Fisheries Act 1994*?

- ☐ No
☐ Yes

If yes, indicate what the proposed building work is reasonably necessary for (Tick applicable box/es)

- The maintenance of existing structures, including for example the following structures, if the structures were constructed in compliance with all the requirements, under any Act, relating to a structure of that type –
 - Boat ramps, boardwalks, drains, fences, jetties, roads, safety signs, swimming enclosures and weirs; ☐ No ☐ Yes
 - Existing powerlines or associated powerline infrastructure ☐ No ☐ Yes
- Educational or research purposes relating to the fish habitat area ☐ No ☐ Yes
- Monitoring the impact of development on the declared fish habitat area ☐ No ☐ Yes
- Other purposes ☐ No ☐ Yes

If yes to "other purposes", is the proposed building work to be carried out in a wild river area declared under the *Wild River Act 2005*?

- ☐ No - (Complete Part O₂) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F). If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

- ☐ Yes

If yes, is all of the building work for specified works under the *Wild Rivers Act 2005*?

- ☐ Yes - Unless the application is consistent with any property development plan applying to the land, the assessment manager must refuse to receive it. (Complete Part O₂) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F) and, subject to the declaration for the relevant wild river area, assessment for the purposes of the *Wild Rivers Act 2005*. If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

- ☐ No

If no, is any of the proposed building work to be carried out in a wild river high preservation area?

- ☐ No - Unless the application is consistent with any property development plan applying to the land, the assessment manager must refuse to receive it. (Complete Part O₂) This application requires assessment by the Department of Primary Industries and Fisheries (DPI&F) and, subject to the declaration for the relevant wild river area, assessment for the purposes of the *Wild Rivers Act 2005*. If DPI&F is not the Assessment Manager for the application, the agency has jurisdiction as Concurrence Agency.

- ☐ Yes - An application for the building work would be taken to be not properly made and the assessment manager must refuse to receive it.

IPA, schedule 8, part 1, table 1, item 2

IPA, schedule 8, part 2, table 5, item 3 (self-assessable development)

IP Regulation, schedule 2, table 2, item 24

IP Regulation, schedule 1, part 3, table 1, item 2

Wild Rivers Act 2005, section 43A

Fisheries Act, section 76DC (wild river area)

SECTION 6

Section 6 must be completed for all application requiring completion of the IDAS Assessment Checklist.
The following questions relate to whether a referral agency response has been received prior to making an application.

PRE APPLICATION REFERRAL AGENCY RESPONSE			
6.1	Have you received a referral agency response under s 3.3.2. of IPA, in relation to this development, which includes a statement that the referral agency does not require referral of the application during the IDAS referral stage?		
	☒ No ☐ Yes - (Complete Table A)		
TABLE A			
REFERRAL MATTERS FOR WHICH A REFERRAL AGENCY RESPONSE HAS BEEN RECEIVED UNDER IPA S3.2.2 - list a separate matter in each row		HAVE YOU SATISFIED ANY CONDITIONS STATED IN THE RESPONSE?	
		☐ Yes	☐ No ☐ No conditions
		☐ Yes	☐ No ☐ No conditions
		☐ Yes	☐ No ☐ No conditions
		☐ Yes	☐ No ☐ No conditions
		☐ Yes	☐ No ☐ No conditions
		☐ Yes	☐ No ☐ No conditions
		☐ Yes	☐ No ☐ No conditions
		☐ Yes	☐ No ☐ No conditions
<p>If 'yes' for any of the referral matters listed in Table A - a referral for this matter is not required, and the relevant Part identified in the IDAS Assessment Checklist is not required to be completed. A copy of the referral agency response and evidence of how you have satisfied any conditions stated in the response must be attached to your application.</p> <p>If 'no' for any of the referral matters listed in Table A - the relevant Part identified in the IDAS Assessment Checklist is required to be completed. The application must be referred to the relevant referral agency, unless the referral agency is the Assessment Manager.</p>			

APPENDIX 1

Below is a list of the referrals triggered under the *Integrated Planning Regulation 1998*, schedule 2 that can apply to an application for building work assessable against the *Building Act 1975*. This appendix is provided for **advice only**.

This appendix is **not** required to be completed and lodged where an application involves building work made assessable under the *Integrated Planning Act 1997*, schedule 8 for assessment against the *Building Act 1975* only.

Special fire services - generally For more information go to schedule 2 table 1 and schedule 2A of the IP Regulation. Assessment period 15 days. No response is a deemed refusal.	1. An application may trigger referral to Qld Fire and Rescue Services as an advice agency if the building work requires special fire services mentioned in schedule 2A part 1 of the <i>Integrated Planning Regulation 1998</i> (IP Regulation) or includes an alternative solution assessed against the performance requirements of the Building Code of Australia.
Fire safety for budget accommodation For more information go to schedule 2 of the IP Regulation	2. An application may trigger referral to Qld Fire and Rescue Services as an advice agency if the building work the subject of the application requires the installation of a fire safety system for a budget accommodation building.
Spray painting For more information go to schedule 2 of the IP Regulation	3. An application may trigger referral to the Department of Industrial Relations (DIR) as a concurrence agency if the application involves a workplace incorporating spray painting.
Retail meat premises For more information go to schedule 2 of the IP Regulation	4. An application may trigger referral to Safe Food Qld as a concurrence agency if the application involves a retail meat premises.
Private health facilities For more information go to schedule 2 of the IP Regulation	5. An application may trigger referral to the Department of Health as a concurrence agency if the application involves a private health facility.
Workplace area less than 2.3m ² For more information go to schedule 2 of the IP Regulation	6. An application may trigger referral to the Department of Industrial Relations (DIR) as an advice agency if the application involves a work place area less than 2.3m ² .
Land contiguous to a State-controlled road For more information go to schedule 2 of the IP Regulation	7. An application may trigger referral to the Department of Main Roads as a concurrence agency or advice agency if the application involves land contiguous to a State-controlled road.
Pastoral workers accommodation For more information go to schedule 2 of the IP Regulation	8. An application may trigger referral to the Department of Industrial Relations (DIR) as a concurrence agency if the application involves pastoral workers accommodation.
Child care centre For more information go to schedule 2 of the IP Regulation	9. An application may trigger referral to the Department of Communities as a concurrence agency if the application involves a childcare centre.
Coastal development For more information go to schedule 2 of the IP Regulation	10. An application may trigger referral to the Environmental Protection Agency (EPA) as a concurrence agency if the application involves land completely or partly seaward of a coastal building line ⁵ .
Integration of land use and public transport For more information go to schedule 2 of the IP Regulation	11. An application may trigger referral to Queensland Transport as a concurrence agency if the application involves existing or future public transport corridors, or airport operational airspace ⁶ .
Railway safety and efficiency For more information go to schedule 2 of the IP Regulation	12. An application may trigger referral to Queensland Transport as a concurrence agency if the application involves future railway land.

NOTE: CONCURRENCE AGENCY ASSESSMENT PERIODS

The local government, as the concurrence agency, is required to assess and provide a response for the following building applications within a prescribed time. For applications relating to design and siting (17, 18 & 19), and building work for removal or rebuilding (23), the assessment period is 5 days. For all other applications the assessment period is 15 days. If no response is received from the local government for an application, it is taken to be a deemed refusal. However for amenity and aesthetics impact of particular building work for a single detached class 1a or class 10 building or structure (15), no response is taken to be a deemed approval.

Amenity and aesthetic impact of particular building work for single detached class 1 building or class 10 building or structure For more information go to schedule 2 table 1 of the IP Regulation. Assessment period 15 days. No response is a deemed approval.	13. An application will trigger a referral to the local government if it is : <ul style="list-style-type: none"> • for a single detached class 1 building or class 10 structure; and • the local government has declared by resolution the following: <ul style="list-style-type: none"> – the appearance of the building or structure will have an extremely adverse impact on the amenity of the locality; and – the appearance of the building or structure would be in extreme conflict with the character of the locality.
--	--

⁵ Coastal building lines are prescribed under the *Coastal Protection and Management Act 1995*.

⁶ Operational airspace is as defined under State Planning Policy 1/02 "Development in the Vicinity of Certain Airports and Aviation Facilities".

INTEGRATED PLANNING ACT 1997

IDAS Assessment Checklist, Version 21.0, 3 September 2007

Whether particular buildings may be occupied for residential purposes For more information go to schedule 2 table 1 of the IP Regulation. Assessment period 15 days. No response is a deemed refusal.	14. An application to use an existing building that is not class 1, 2, 3 or 4 for residential purposes may trigger a referral to the local government as the concurrence agency.
Design and siting For more information go to schedule 2 table 1 of the IP Regulation. Assessment period 5 days. No response is a deemed refusal.	15. An application may trigger referral to the local government as the concurrence agency if the building work does not comply with the performance criteria of parts 11 and 12 of the Queensland Development Code. 16. An application may trigger referral to the local government as the concurrence agency if the building work does not comply with the qualitative statement for building clearance and site cover. 17. An application may trigger referral to the local government as the concurrence agency if the building work does not comply with the qualitative statement for performance criteria 4, 5, 7, 8 or 9 of the Queensland Development Code, part 11 or 12.
Fire safety in particular budget accommodation buildings For more information go to schedule 2 table 1 of the IP Regulation. Assessment period 15 days. No response is a deemed refusal.	18. An application may trigger referral to the local government as the concurrence agency to determine the building will comply with the fire safety standard under the <i>Building Act 1975</i> when the building work has been completed.
Higher risk personal appearance services For more information go to schedule 2 table 1 of the IP Regulation and the QDC part 15. Assessment period 15 days. No response is a deemed refusal.	19. An application may trigger referral to the local government as the concurrence agency to determine if the building work <ul style="list-style-type: none"> • complies with the performance criteria of the Queensland Development Code, part 15; and • the work does not comply with an acceptable solution stated in the part.
Building work for residential service For more information go to schedule 2 table 1 of the IP Regulation and the QDC part 20. Assessment period 15 days. No response is a deemed refusal.	20. An application for building work for premises in which residential care service under the <i>Residential Services (Accreditation) Act 2002</i> , section 4, is conducted, or is proposed to be conducted, will trigger referral to the local government as the concurrence agency.
Building work for removal or rebuilding For more information go to schedule 2 table 1 of the IP Regulation. Assessment period 5 days. No response is a deemed refusal.	21. An application for the removal and/or rebuilding at another site of a building or other structure, will trigger referral to the local government as the concurrence agency.
Building work for rainwater tank in designated rainwater tank area For more information go to schedule 2 table 1 of the IP Regulation and the QDC part 25. Assessment period 15 days. No response is a deemed refusal.	22. An application may trigger referral to the local government as the concurrence agency to determine if the building work or structure complies with the relevant performance criteria if - <ul style="list-style-type: none"> • Under the <i>Building Regulation 2006</i>, a rainwater tank is proposed to be installed as part of relevant building work, in a designated rainwater tank area; and • Under the Queensland Development Code, part 25, the rainwater tank does not include an acceptable solution for a relevant performance criterion.

Disclaimer:

While the Department of Local Government, Planning, Sport and Recreation (DLGPSR) believes that this information contained on this form and provided as part of this process will be of assistance to you, it is provided on the basis that you will not rely on the information without first making your own enquiries regarding the interpretation and application of the applicable legislation to your circumstances.

To the full extent permitted by law DLGPSR expressly disclaims all liability (including but not limited to liability for negligence) for errors or omissions of any kind or for any loss (including direct and indirect losses), damage or other consequence which may arise from your reliance on this process and the information contained on this form.



Project No.	
6064	
	08

INDUSTRIAL GALVANIZERS
CORPORATION PTY LTD

DEVELOPMENT APPROVAL APPLICATION

*Environmental Upgrade
Pinkenba*

FEBRUARY 2008

17 MAR 2009

Form 1 Development Application

idas

Part G

Environmentally Relevant Activity (ERA)
(Other than a petroleum activity or a mining activity)

Nature of the proposed ERA and type of approval sought

1. What is the nature of the proposed environmentally relevant activity (ERA) and what type of development approval is sought? - Complete a new Table A for each proposed ERA

Table A

(i)	ERA category	
(ii)	ERA number and name	
(iii)	Threshold	
(iv)	ERA Level	-
(v)	Applicable annual fee (\$)	
(iv)	Proposed scale/capacity	
(vii)	Type of approval sought	☐ Development Permit ☐ Preliminary Approval
(viii)	Is the proposed ERA mobile and temporary?	☐ No ☐ Yes

GENERATE ANOTHER TABLE A

Nature of any existing ERA

2. Are there any existing ERAs on or associated with the premises?
- ☐ No
- ☒ Yes - Complete a new Table B for each existing ERA

Table B

(i)	ERA category	25(c)
(ii)	ERA number and name	METAL SURFACE COATING
(iii)	Threshold	> 10,000 tpa < 30,000 tpa
(iv)	ERA Level	1
(v)	Existing scale/capacity	~ 20,000 tpa
(vi)	Is the ERA proposed to continue on site?	☒ Yes ☐ No

GENERATE ANOTHER TABLE B

Mandatory information

3. Confirm the following mandatory information accompanies this application.

	Confirmation of lodgement	Method of lodgement
About the subject land		
(i) A description of the existing environment (<i>i.e. maps of the land and surrounding area</i>)	☒ Confirmed	
(ii) Details of the distance to any watercourse, dam, bore etc, on or adjoining the premises	☐ Confirmed ☒ Not applicable	
(iii) Details of any flammable and combustible materials, chemicals or other hazardous substances currently stored on the premises	☒ Confirmed ☐ Not applicable	
(iv) Details of any acid sulfate soils within or adjoining the premises	☐ Confirmed ☒ Not applicable	
About the proposed ERA/s		
(v) A description of the activity (<i>proposed operation and activities, discharge points, process details, etc</i>)	☒ Confirmed	
(vi) Details of stormwater runoff management and disposal (<i>e.g. stormwater management plans</i>)	☒ Confirmed	
(vii) Details of waste produced, including solid and liquid waste (<i>e.g. waste management / waste mineralisation plan, trade waste permit</i>)	☒ Confirmed	
(viii) Details of contaminant release and the impacts on the receiving environment (<i>e.g. discharge to waters, air, land; generation of noise; discharge of other contaminants</i>)	☒ Confirmed	
(ix) Details of any flammable and combustible materials, chemicals or other hazardous substances proposed to be stored on the premises	☒ Confirmed ☐ Not applicable	
(x) Details of proposed hours of operation	☒ Confirmed	
(xi) Details of business trading name	☒ Confirmed	

OFFICE USE ONLY

Date received		Reference numbers		Cost code (Applicable to EPA only)	4026
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Advice for completing Part G

General advice <ul style="list-style-type: none"> Part A must also be completed for all IDAS development applications. All questions must be answered unless following a response there is a statement to go directly to a particular question. For further information about completing this form go to: <ul style="list-style-type: none"> IDAS Guide 4 (Environmentally relevant activities (ERAs)) IDAS Guide 7 (Preparing a proposal report) EPA ecoaccess website 	
Q1	<ul style="list-style-type: none"> Schedule 1 of the <i>Environmental Protection Regulation 1998</i> state the thresholds that apply to Level 1 and Level 2 ERAs. Schedules 1 and 6 of the regulation state the applicable fee. Link to Environmental Protection Regulation A development permit authorises development to occur, while a preliminary approval is a step in the approval process and does not authorise development to occur.

Industrial Galvanizers Corporation Pty Ltd
Development Application – Environmental Upgrade - Galvanizing Facility Pinkenba



EXECUTIVE SUMMARY

Industrial Galvanizers Corporation Pty Ltd operates hot dip galvanizing facilities throughout Australia, Asia and the USA. Industrial Galvanizers currently operates a hot dip galvanizing facility at 140 Holt Street, Pinkenba. A number of environmental improvements are proposed in order to address stormwater management at the site. These are summarized below:

- Covering the jig storage area between the jigging and dressing halls with a new roof and extension of the jigging hall to the west to provide an additional covered area for preparing jigs. This will prevent the wash-off of zinc and zinc residues from the stored jigs during a rain event.
- Installation of bio-retention pits to capture storm water run-off from the storage yard and surrounding road-ways to minimize the level of zinc and zinc residues entering the storm water system.
- Installation of a trench drain across western part of main building to prevent zinc wash-off from the galvanized steel in the storage yard entering the storm water drains inside the building. This storm water run-off to be directed for treatment through a bio-retention pit.
- Installation of rainwater tanks to capture storm water run-off from the roof for reuse in the process.
- Upgrading of the bunded area used for chemical transfers to minimize the risk of spills entering the storm water system.
- Installation of a chemical storage shed with spill containment for storing of packaged chemicals used on site.

Some other additional works are proposed that will also improve air emissions management at the site and provide additional pretreatment capacity to improve operational efficiencies and better cleaning of incoming black steel. These works are listed below.

- Extending the pretreatment fume extraction duct to exhaust the area east of the pretreatment tanks and south of the galvanizing kettle.
- Increasing the size of the pretreatment spill containment pit.
- Increasing the size of the caustic pretreatment tank.
- Addition of a caustic rinse tank (water).
- Addition of an additional acid pretreatment tank.

It is the covering of the jig storage area and extension of the jigging hall that requires a development application to be submitted to the Brisbane City Council. Most of the other proposed works are in support of the environmental improvements committed in the Environmental Management Program (EMP) submitted to the EPA for stormwater management.

The EPA has advised that these proposed works would not trigger a Material Change of Use (MCU).

Industrial Galvanizers Corporation Pty Ltd
Development Application – Environmental Upgrade - Galvanizing Facility Pinkenba



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1 INTRODUCTION

Industrial Galvanizers Corporation Pty Ltd trading as Industrial Galvanizers (Brisbane) is applying for a development application through Brisbane City Council to complete building modifications to the existing facility. As part of the development application process, because the operation conducted at the facility is an Environmentally Relevant Activity (ERA), the Integrated Planning Act requires that *Part G Environmentally Relevant Activity* of Form 1 Development Application must be completed.

The Industrial Galvanizers (Brisbane) plant is located at the corner of Holt Street and Curtin Avenue East, Pinkenba, or 140 Holt Street, Pinkenba. The galvanizing plant was established on this site during 1993 and operational since 1994.

1.1 NEED FOR THE PROPOSED WORKS

For a number of years there has been scrutiny from the environmental regulatory authorities in Queensland concerning the operation of this plant in relation to storm water management. In 2004, the site received a warning notice from the EPA with regards to the potential for contaminants to be released from the site to storm water as a result of site operations. Since then, the site has also received a notice to conduct an Environmental Evaluation into storm water management at the site from the EPA. The evaluation was to identify and quantify potential sources of storm water contamination at the site, include storm water monitoring and to identify the measures required to improve storm water quality such that the potential for environmental harm was prevented or minimised. This Environmental Evaluation was conducted during 2006 and a full report provided to the EPA, along with an Environmental Management Program (EMP) outlining what actions were to be implemented and time lines for their completion. An integral part of the Environmental Evaluation and the subsequent EMP that has been submitted to the EPA were the following commitments:

- Covering the jig storage area between the jigging and dressing halls with a new roof and extension of the jigging hall to the west to provide an additional covered area for preparing jigs. This will prevent the wash-off of zinc and zinc residues from the stored jigs during a rain event.
- Installation of bio-retention pits to capture storm water run-off from the storage yard and surrounding road-ways to minimize the level of zinc and zinc residues entering the storm water system.
- Installation of a trench drain across western part of main building to prevent zinc wash-off from the galvanized steel in the storage yard entering the storm water drains inside the building. This storm water run-off to be directed for treatment through a bio-retention pit.
- Installation of rainwater tanks to capture storm water run-off from the roof for reuse in the process.
- Upgrading of the bunded area used for chemical transfers to minimize the risk of spills entering the storm water system.



Industrial Galvanizers Corporation Pty Ltd
Development Application – Environmental Upgrade - Galvanizing Facility Pinkenba

- Installation of a chemical storage shed with spill containment for storing of packaged chemicals used on site.

It is the covering of the jig storage area and extension of the jiggling hall that requires the Development Application to be submitted to the Brisbane City Council.

It is important that development approval be obtained so that these measures can be implemented to improve stormwater management at the site.

1.2 OBJECTIVES OF THIS DOCUMENT

The purpose of this supporting documentation to Part G Environmentally Relevant Activities (Form 1 Development Application) is to:

- Describe the site and existing facilities;
- Describe the processes that will continue to operate at the site;
- Describe the new equipment and facilities that will be implemented at the site;
- Describe the chemical storage and handling facilities and the chemicals stored at the site;
- Describe the source, nature and management of emissions to air;
- Describe the source, nature and management of storm water at the site;
- Describe the wastes that are generated at the site and current management of those wastes, including waste recycling and minimization practices employed;
- Brief discussion of energy use and management;
- Describe an overview of the Environmental Management System in use to cover the operations at the Pinkenba site.



2 SITE DETAILS

The galvanizing operation at Pinkenba is an Environmentally Relevant Activity, ie ERA 25(c) – Metal Surface Coating. It operates under Environmental Authority Number SR55 issued to Industrial Galvanizers Corporation Pty Ltd. This authority applies to a galvanizing works having an annual throughput of metal products of 10,000 tonnes or more but less than 30,000 tonnes.

2.1 SITE LOCATION

The Industrial Galvanizers' plant is located on the corner of Holt Street and Curtin Avenue East within an established industrial area of Pinkenba, within Brisbane City. A locality map showing the location of the site is shown in Figure 2-1. Industrial Galvanizers have been operating the galvanizing plant at this site since July 1994; it was constructed as a Greenfield development commencing in 1993. The description of the site is given as Lot 1176, Plan SP153111, County of Stanley, Parish of Toombul. It occupies an area of approximately 18,400 square metres.

A plan of the site showing layout of yard areas and current facilities is presented in Figure 2-3. The site is situated at the corner of Holt Street and Curtin Avenue East, with vehicle access from Holt Street. The manufacturing process is contained within a large U shaped industrial building.

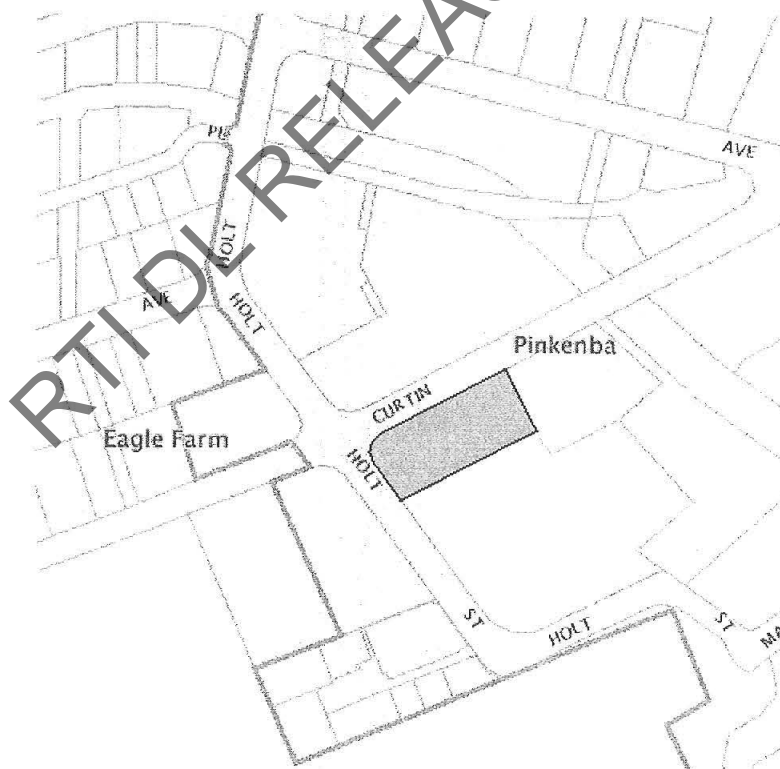


Figure 2-1 **Locality Map Showing Location of Industrial Galvanizers site.**
 (Source www.brisbane.qld.gov.au – Planning and Development website)

Industrial Galvanizers Corporation Pty Ltd
Development Application – Environmental Upgrade - Galvanizing Facility Pinkenba



2.2 ZONED USE

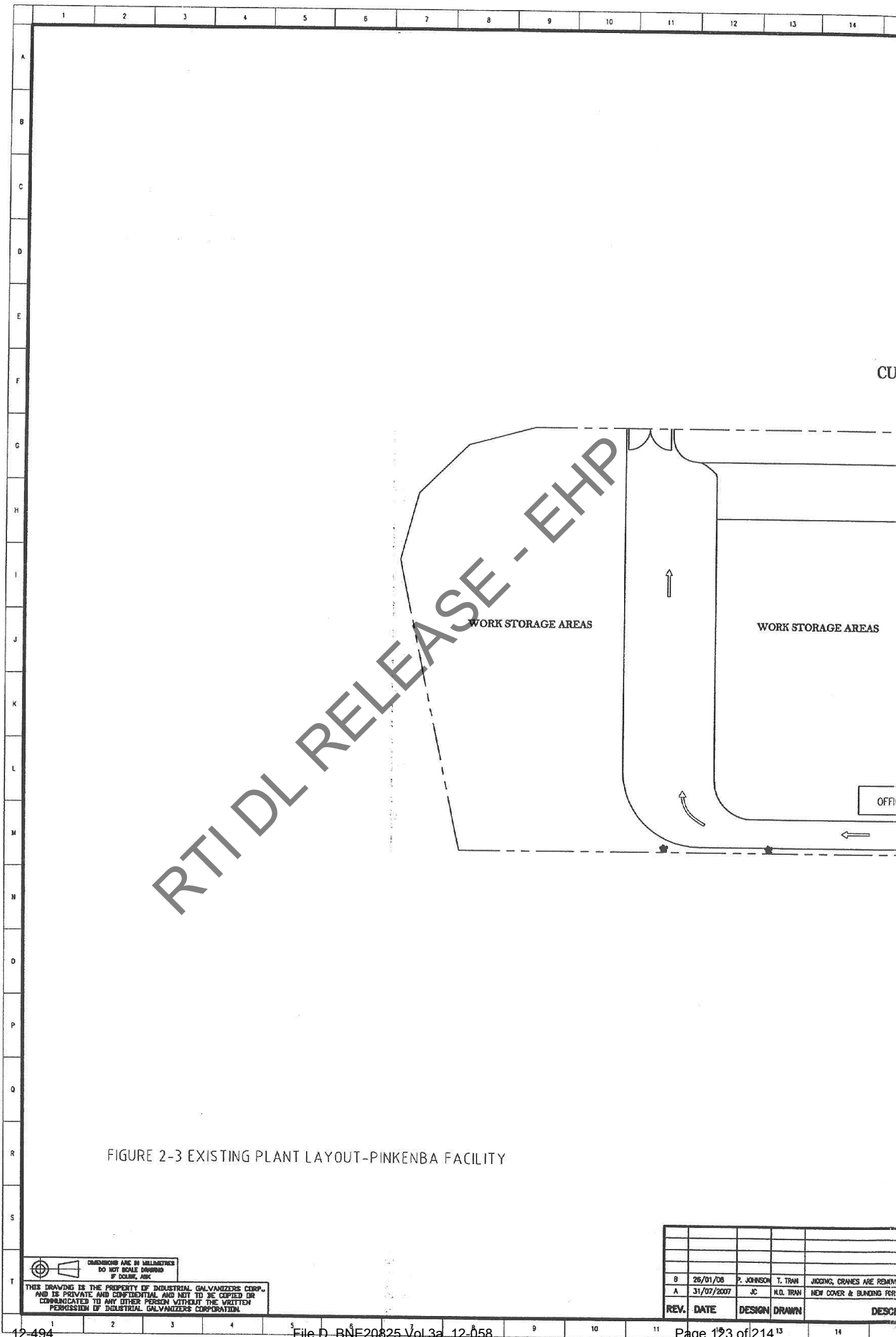
According to the Brisbane Planning Scheme (City Plan), the area is zoned as General Industry Area. An extract of the zoning map from the Brisbane City Plan 2000 is shown in Figure 2-2.

2.3 SURROUNDING LAND USE

Land use of abutting properties is light industrial and freight enterprises. The eastern boundary of the site abuts a factory and warehouse building occupied by Saint-Gobain Ceramic Materials Pty Ltd, which is used for the manufacture and storage of ceramic materials for industrial use. NQX abuts the southern boundary of the site. NQX Freight System Australia undertakes freight warehousing and distribution. Of the surrounding land uses, uses of note are listed below.

- To the South: On site southern boundary, NQX Freight System
- To the West: Across Holt St and up to 200m – Sastek, Terex, Greyhound Freight and Bus, Freight Cranes, Ram Taps, Grief Industries (Warehousing and freight enterprises)
- To the North: Across Curtin Avenue – Brisbane Auctions (formerly Capral Aluminium)
100m north – One Steel and Smorgon Steel (Steel construction product, warehousing and distribution)
- To the East: To 150m – BASF Chemicals (Pesticide and other chemical product warehousing)
100 to 200m – Universal Supplies, Queensland Seed and Grain Processors, and various warehouse operations.





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REV.	DATE	DESIGN	DRAWN	DESCR
B	26/01/08	P. JOHNSON	T. TRAN	JIGGING, CRANES ARE REMAIN
A	31/07/2007	JC	H.D. TRAN	NEW COVER & BUNDING FOR

3 PROJECT DESCRIPTION

The proposed scope of works to be completed as part of this project includes:

- Covering the jig storage area between the jigging and dressing halls with a new roof and extension of the jigging hall to the west to provide an additional covered area for preparing jigs. This will prevent the wash-off of zinc and zinc residues from the stored jigs during a rain event.
- Installation of bio-retention pits to capture storm water run-off from the storage yard and surrounding road-ways to minimize the level of zinc and zinc residues entering the storm water system.
- Installation of a trench drain across western part of main building to prevent zinc wash-off from the galvanized steel in the storage yard entering the storm water drains inside the building. This storm water run-off to be directed for treatment through a bio-retention pit.
- Installation of rainwater tanks to capture storm water run-off from the roof for reuse in the process.
- Upgrading of the bunded area used for chemical transfers to minimize the risk of spills entering the storm water system.
- Installation of a chemical storage shed with spill containment for storing of packaged chemicals used on site.
- Extending the pretreatment fume extraction duct to exhaust the area east of the pretreatment tanks and south of the galvanizing kettle.
- Increasing the size of the pretreatment spill containment pit.
- Increasing the size of the caustic pretreatment tank.
- Addition of a caustic rinse tank (water).
- Addition of an additional acid pretreatment tank.

The timing of the development and implementation of the proposed changes, although dependant on the Brisbane City Council and EPA's development approval process, would be ideally scheduled in order to achieve the timeframes already proposed to the QLD EPA as part of the draft Environmental Management Program (EMP) that has been submitted for the management of storm water at this site. A draft version of this EMP was submitted to the EPA for review and comment during December 2007.

It is envisaged that aspects of the works not requiring development approval will be completed at a time to incorporate production downtime during the 2008 Easter public holidays.

The general layout of the facility showing the proposed changes is shown in Figure 3-1.

Industrial Galvanizers Corporation Pty Ltd
Development Application – Environmental Upgrade - Galvanizing Facility Pinkenba



This development approval application seeks approval for a 24 hour, seven day per week operation based on a maximum of two shifts per day, however, it is expected that normal operational times at the proposed site will be as follows:

Monday to Thursday:	4:00am to 1:00am
Friday:	4:00am to 8:00pm
Saturday:	4:00am to 12:00pm
Sundays:	Closed

There may be limited weekend operations dictated by market demands however, it is anticipated that Saturdays will generally be used for maintenance activities and Sundays generally closed for operations.

RTI DL RELEASE - EHP

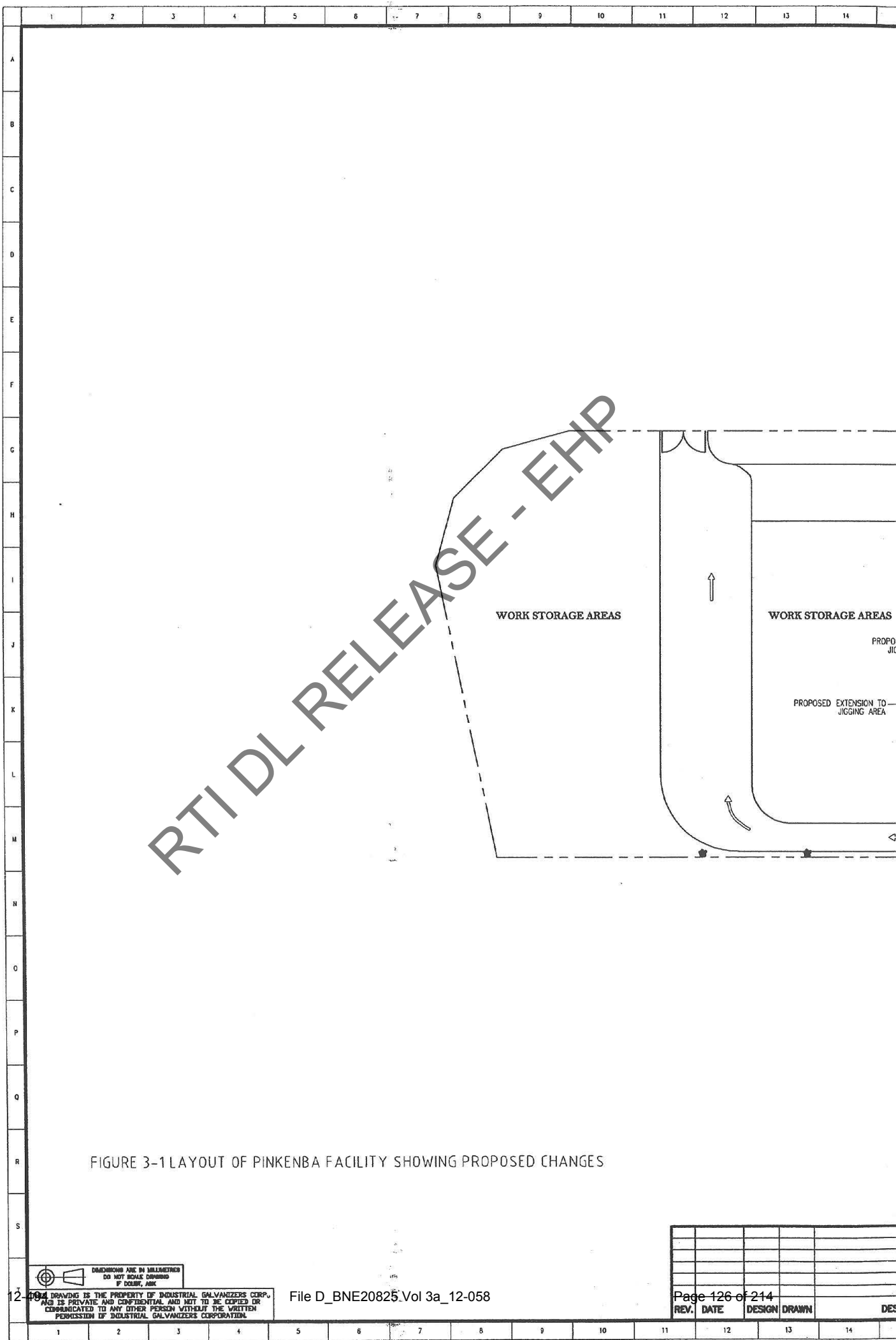


FIGURE 3-1 LAYOUT OF PINKENBA FACILITY SHOWING PROPOSED CHANGES

DIMENSIONS ARE IN MILLIMETRES
DO NOT SCALE DRAWING
IF DOUBT, ASK

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File D_BNE20825.Vol 3a_12-058

REV.	DATE	DESIGN	DRAWN	DES.



4 PROCESS DESCRIPTION

The following section describes the current operation, activities, process details and air and water discharge points. In the shaded text, the proposed changes to process details and relevant discharge points will be described.

4.1 PROCESS OVERVIEW

Galvanizing of steel components is undertaken to provide the protection of steel against corrosion. The galvanizing process involves the steelwork being immersed into a kettle of molten zinc for a specified period of time. Several pretreatment processes are required to clean the steel surface prior to the application of the zinc coating.

The galvanizing process flowchart for the existing galvanizing process at the Pinkenba site is illustrated by the flow chart shown in Figure 4-1. The flowchart incorporating changes to the pretreatment process is shown in Figure 4-2.

Each of the process steps illustrated in Figures 4-1 and 4-2 are described below.

4.1.1 BLACK STEEL

Black (steel) goods are delivered to site by truck and unloaded by forklift and transported to designated black steel storage locations to await processing.

4.1.2 JIGGING

Steel items are assembled onto jigs of variable designs, shapes and sizes, depending on the work type and shape. Jigs are used to suspend work to be galvanized and to carry work through the various pretreatment and galvanizing process tanks via overhead cranes. Larger steel items may be suspended directly from overhead cranes using chains or other lifting equipment. All jiggered products are moved through the various processing steps via overhead cranes.



Industrial Galvanizers Corporation Pty Ltd
Development Application – Environmental Upgrade - Galvanizing Facility Pinkenba

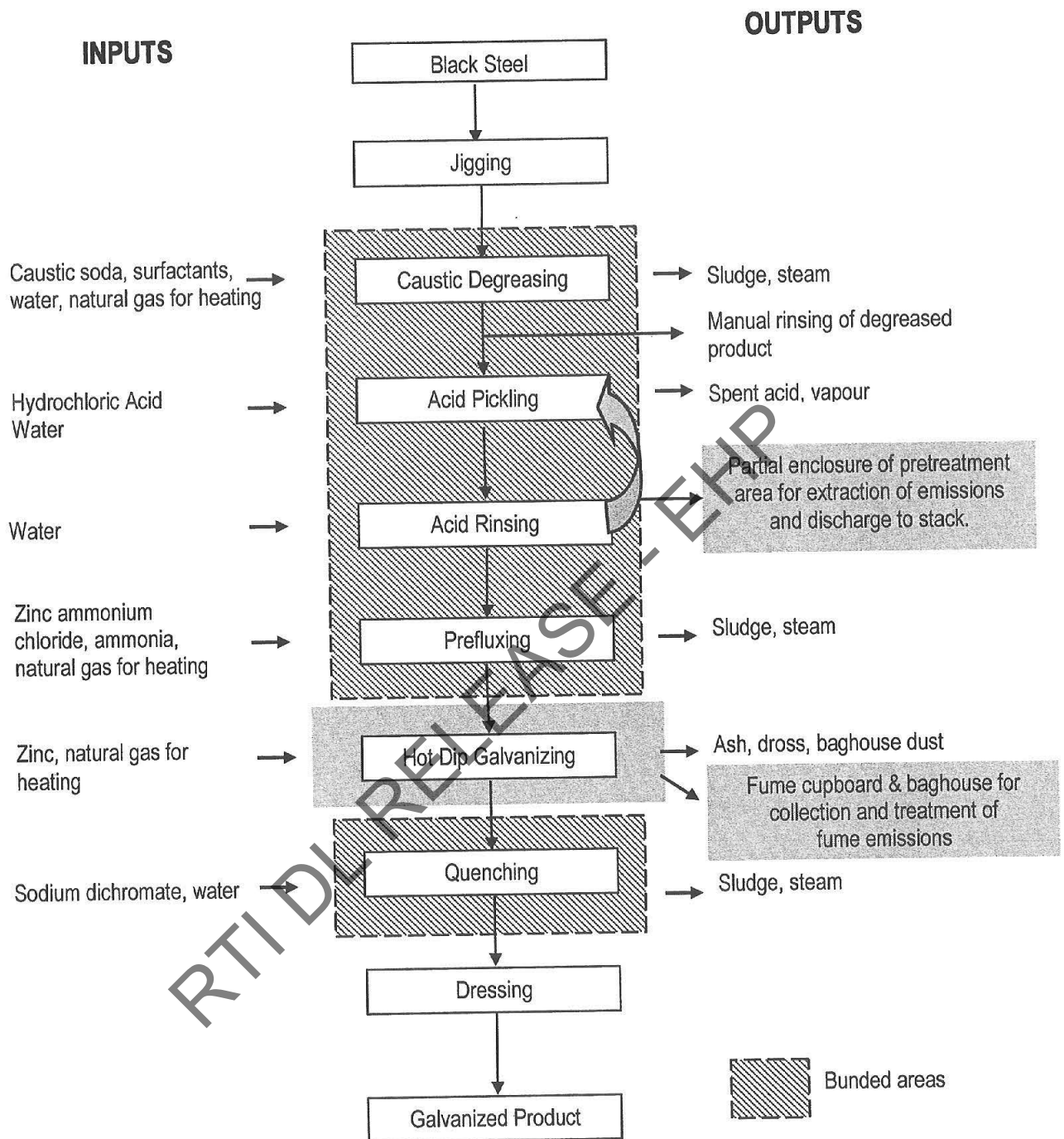


Figure 4-1 Current Galvanizing Process Inputs and Outputs

Industrial Galvanizers Corporation Pty Ltd
Development Application – Environmental Upgrade - Galvanizing Facility Pinkenba

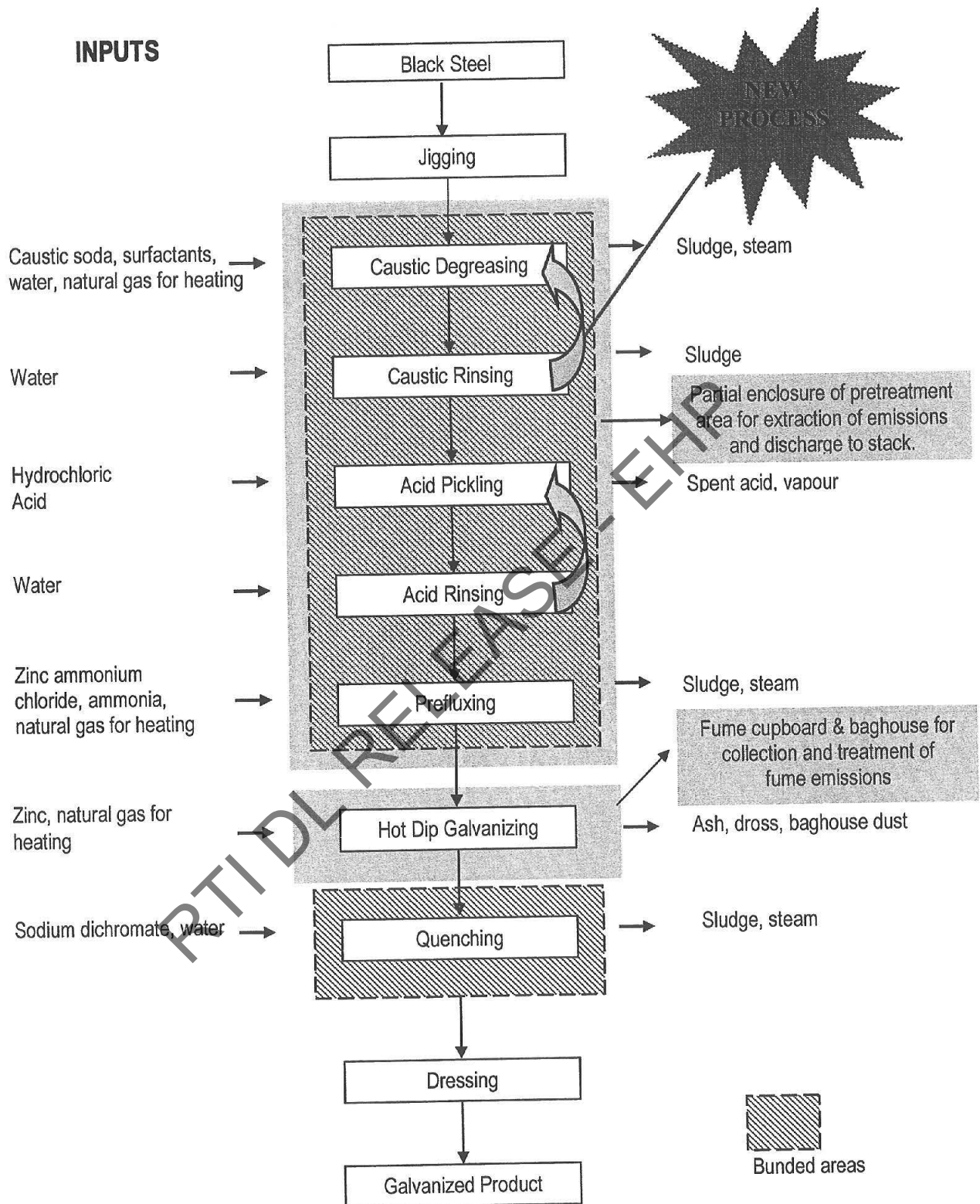


Figure 4-2 Additional Galvanizing Process Inputs and Outputs

Industrial Galvanizers Corporation Pty Ltd
Development Application – Environmental Upgrade - Galvanizing Facility Pinkenba



The current process tank layout is illustrated in Figure 4-3. The proposed process tank layout is shown in Figure 4-4.

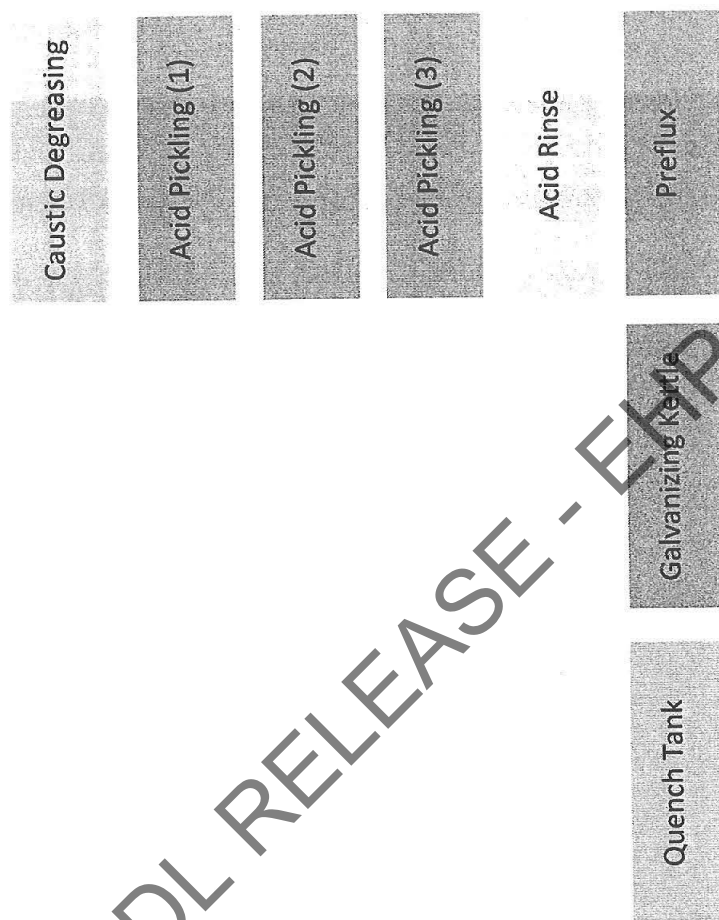


Figure 4-3 **Current Process Tank Layout Pinkenba**

Industrial Galvanizers Corporation Pty Ltd
Development Application – Environmental Upgrade - Galvanizing Facility Pinkenba



Figure 4-4 Proposed Process Tank Layout Pinkenba

The main process changes to the pretreatment area proposed are:

- The replacement of the existing steel caustic tank with a tank with double the degreasing solution volume.
- The existing steel caustic tank is to be converted to a caustic rinsing tank.
- Extensions to the pretreatment pit will provide the capability for a segregated bund area for the caustic and caustic rinse tanks, thereby segregating the acid, acid rinse and preflux tanks into a separate segregated bund.
- The installation of a new acid pickling tank where the caustic and one of the acid tanks were previously located.

A replacement quench tank was installed during the Christmas maintenance period of 2006.

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Details of the process equipment are described in Tables 4-1 to 4-9. Proposed additions to the process equipment are described in the shaded Tables 4-2, 4-3 and 4-5.

4.1.3 CAUSTIC DEGREASING

Caustic degreasing is typically utilized to remove organic contaminants from black steel such as oils, greases, paints, lacquers etc. The Pinkenba facility utilises a caustic degreasing step based on the use of a sodium hydroxide solution of approximately 10% concentration, heated with natural gas to temperatures up to 80°C – 90°C. The degreasing solution also contains a surfactant additive to aid in the removal of the oils and greases from the work piece. Depending on the type of soil present on the steel, caustic cleaning is generally completed after approximately 15 minutes of processing time. Caustic degreasing is carried out in a process tank of steel construction. The process parameters for the existing caustic degreasing operation are presented in Tables 4-1. Details of the proposed process parameters for the caustic degreasing operation are presented in Table 4-2. Total volumes have been expressed in all instances, not actual tank working volumes. As detailed, the volume of the caustic degreasing tank is to be increased from approximately 103,000 litres to 237,600 litres.

With use, the sodium hydroxide and surfactant in the caustic degreasing tanks becomes consumed, requiring replacement. Daily additions of liquid sodium hydroxide and surfactant are to be added to the degreasing tanks to maintain optimum solution concentrations.

Waste products generated from the caustic degreasing process include a sludge that accumulates in the bottom of the degreasing tank as a result of the degreasing process. This sludge is removed from the bottom of the tank twice yearly and sent for disposal via authorized waste disposal contractors.

4.1.4 CAUSTIC RINSING

After the work pieces have been immersed in the caustic degreasing tank for the appropriate amount of time, the work pieces are removed from the tank, and any excess solution is allowed to drain back into the tank.

A static caustic rinse tank is proposed for the Pinkenba facility. Details of the size and capacity of this tank is provided in Table 4-3. Excess caustic degreasing solution will be rinsed off the work pieces before processing in the acid pickling tanks. Caustic rinsing will also be carried out in process tanks of steel construction.

A caustic sludge may be generated from the caustic rinsing process and this will accumulate in the bottom of the caustic rinse tank. It is proposed that this sludge will be removed from the bottom of the tank twice yearly and sent for disposal via authorized waste disposal contractors. Caustic rinse water will be used to top up the caustic degreasing tank as this tank experiences evaporative losses due to its elevated operating temperature. Fresh water will be used to maintain the caustic rinse tank at optimum chemical composition.



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Table 4-1 Process Parameters – Existing Caustic Degreasing Operation

Pollution Control Equipment	Spill containment bund shared with all other process tanks Foam blanket to minimize steam emissions Combustion flue stack Sump for collection of spills, drips etc. Partial pretreatment area enclosure extraction prior to stack discharge.
Plant and Equipment	Overhead cranes Foam blanket technology One (1) steel processing tank: 18.1m x 2.1m x 2.7m = 102,627 litres (Total volume) Natural gas fired immersion tube for heating
Material Inputs	Jigged black steel Natural gas Combustion air Sodium hydroxide solution (46%) Surfactant Water from caustic rinse tank
Material Outputs: Products	Degreased black steel
Material Outputs: Wastes	Water vapour Caustic sludge Some caustic solution is entrained in sludge Combustion flue gas Empty chemical containers (IBC's)



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Table 4-2 Process Parameters – Proposed Caustic Degreasing Operation

Pollution Control Equipment	Spill containment bund shared with caustic rinse tank Foam blanket to minimize steam emissions Combustion flue stack Sump for collection of spills, drips etc. Partial pretreatment area enclosure extraction prior to stack discharge.
Plant and Equipment	Overhead cranes Foam blanket technology One (1) steel processing tank: 18.0m x 4.4m x 3.0m = 237,600 litres (Total volume) Natural gas fired immersion tube for heating
Material Inputs	Jigged black steel Natural gas Combustion air Sodium hydroxide solution (46%) Surfactant Water from caustic rinse tank
Material Outputs: Products	Degreased black steel
Material Outputs: Wastes	Water vapour Caustic sludge Some caustic solution is entrained in sludge Combustion flue gas Empty chemical containers (IBC's)

Table 4-3 Process Parameters – Proposed Caustic Rinsing Operation

Pollution Control Equipment	Spill containment bund shared with caustic tank Sump for collection of spills, drips etc. Partial pretreatment area enclosure extraction prior to stack discharge.
Plant and Equipment	Overhead cranes One (1) steel processing tank: 18.0m x 2.0m x 3.0m = 108,000 litres (Total volume)
Material Inputs	Black steel Fresh Water (or water from stormwater collection system)
Material Outputs: Products	Degreased black steel
Material Outputs: Wastes	Caustic sludge Some caustic rinse solution is entrained in sludge

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4.1.5 ACID PICKLING / STRIPPING

Acid pickling can be defined as the use of hydrochloric acid solution for the removal of rust and mill scale from black steel prior to galvanizing.

Acid stripping can be defined as the use of hydrochloric acid solutions for the stripping of zinc from used jigs, spinning buckets, rejected galvanized product, or recycled galvanized products.

Acid pickling and stripping processes are carried out in tanks constructed of steel lined with fibreglass. Hydrochloric acid solution concentrations are carefully controlled to minimize the emission of acid vapours.

Currently, the Pinkenba facility utilizes three acid pickling tanks, one of which is also used for stripping of any reject work. The process parameters for the existing acid pickling operations are presented in Table 4-4.

It is proposed to incorporate an additional pickling tank to the Pinkenba facility. Details of the size and capacity of this tank is provided in Table 4-5.

Table 4-4 Process Parameters – Existing Acid Pickling Operations

Pollution Control Equipment	Spill containment bund shared with other process tanks Sump for collection of spills, drips etc. Partial pretreatment area enclosure extraction prior to stack discharge.
Plant and Equipment	Three (3) fibreglass lined steel processing tanks: 3 of 18.0m x 1.8m x 2.7m = 87,480 litres (Total volume) Overhead crane
Material Inputs	Degreased black steel Concentrated hydrochloric acid solution (33%) Recycled rinse water Proprietary vapour suppressant
Material Outputs: Products	Pickled steel
Material Outputs: Wastes	Hydrochloric acid vapour Spent acid solution Acid sludge (disposed of with spent acid solution) Empty 200 litre chemical drums (vapour suppressant)

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Table 4-5 Process Parameters – Additional Acid Pickling Operations

Pollution Control Equipment	Same as described in Table 4-4
Plant and Equipment	One (1) additional tank: 1 of 18.0m x 4.4m x 3.0m = 237,600 litres (Total volume)
Material Inputs	Same as described in Table 4-4
Material Outputs: Products	Same as described in Table 4-4
Material Outputs: Wastes	Same as described in Table 4-4

Included as part of a program for minimizing fugitive air emissions from the facility, the pretreatment area at Pinkenba was partially enclosed and a large ducted manifold was installed in the roof to extract pretreatment fume emissions for discharge to a large stack. Emissions from this stack are discharged at a height of approximately 18m.

The principal waste generated from the pickling process is spent hydrochloric acid solution of approximately two percent hydrochloric acid. Spent acid is typically removed from the site by bulk tanker approximately every three to four weeks by licensed waste disposal contractors. A designated location with spill containment provision is proposed for all bulk chemical deliveries and disposals.

4.1.6 ACID RINSING

The Pinkenba facility provides for a static acid rinse tank for the removal of residual hydrochloric acid solution from the work pieces. This tank is also constructed of fibreglass lined steel.

There is little waste generated from the acid rinsing process. Acid rinse water is typically used to top up the acid pickling tanks whenever these tanks require replenishing. Fresh water is added to the rinse tank to maintain this tank at optimum composition.

The process parameters for the existing acid rinsing operations are presented in Table 4-6.



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Table 4-6 Process Parameters – Existing Acid Rinsing Operations

Pollution Control Equipment	Spill containment bund shared with other process tanks. Sump for collection of spills, drips etc. Partial pretreatment area enclosure extraction prior to stack discharge.
Plant and Equipment	Fibreglass lined steel processing tank: 18.0m x 1.8m x 2.7m = 87,480 litres (Total Volume) Overhead crane
Material Inputs	Pickled steel Fresh water (or water from stormwater collection system)
Material Outputs: Products	Rinsed steel Rinse water used for topping up acid pickling tanks
Material Outputs: Wastes	Nil waste streams – rinse water is used to top up acid tanks during acid makeup.

4.1.7 PREFLUXING

Zinc ammonium chloride (ZAC) is used as a fluxing agent following the chemical pretreatment and prior to galvanizing black steel. The purpose of the prefluxing step is to:

- Inhibit the re-oxidation of the cleaned steel surface prior to galvanizing by acting as a physical barrier to oxidation.
- Decomposition of the preflux salts in the galvanizing kettle aid in the removal of any residual contaminants.

The preflux solution is heated up to approximately 70°C by natural gas. Preflux solution concentrations are also carefully controlled to minimise fume emissions during the galvanizing process. The tank utilised for the preflux solution at this site is one constructed of a concrete polymer composite. The process parameters for the existing preflux operations are presented in Table 4-7.

With use, the zinc ammonium chloride in the preflux tank becomes consumed, requiring replacement. Daily additions of zinc ammonium chloride and ammonia solution are added to the preflux tank to maintain optimum solution concentrations.

The principal waste generated from the prefluxing process is an iron hydroxide sludge. This sludge accumulates in the bottom of the respective preflux tank and requires periodic removal and disposal. The preflux tank is desludged at least twice yearly.



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Table 4-7 Process Parameters – Existing Prefluxing Operations

Pollution Control Equipment	Spill containment bund shared with other process tanks Foam blanket to minimize steam emissions Combustion flue stack Sump for collection of spills, drips etc. Partial pretreatment area enclosure extraction prior to stack discharge.
Plant and Equipment	Concrete polymer composite tank: 10.6m x 2.1m x 2.7m =60,102 litres (Total Volume) Overhead crane Natural gas fired immersion heater for heating Dosing pump for ammonia solution additions
Material Inputs	Natural gas Rinsed steel Zinc ammonium chloride (solid powder) Ammonia solution (25%w/v) Ammonium chloride (solid powder) Water (Priority for stormwater collected to be used as top up water)
Material Outputs: Products	Prefluxed steel
Material Outputs: Wastes	Combustion flue gas Water vapour Preflux (iron (III) hydroxide) sludge Some preflux solution remains entrained with preflux sludge. Empty chemical drums and bags.

4.1.8 HOT DIP GALVANIZING

Following prefluxing, the steel items are immersed in a kettle of molten zinc operated and maintained by natural gas at temperatures between 450°C and 460°C in order to produce a zinc coating on the steel.

Jigged prefluxed products are immersed into the galvanizing kettle using an overhead crane. After a predetermined galvanizing time, the galvanized products are removed from the galvanizing kettle and moved to the quench tank. The process parameters for the galvanizing operation are presented in Tables 4-8.

As zinc is consumed by the galvanizing process, the kettle requires daily additions of zinc and other alloying elements to maintain physical and compositional levels. Zinc is added to the galvanizing kettle in alloy form.

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Table 4-8 Process Parameters – Galvanizing Operations

Pollution Control Equipment	Furnace pit Combustion flue stack Fume Cupboard and extraction system Fabric filter dust collector (FFDC)
Plant and Equipment	Galvanizing kettle: 10.5m x 2.0m x 2.6m (Approximately 364 tonnes of zinc) Tunnel fired natural gas furnace
Material Inputs	Preflused and air dried steel Natural gas Combustion air Zinc and zinc alloys
Material Outputs: Products	Galvanized steel product
Material Outputs: Wastes	Combustion flue gas Galvanizing fume Galvanizer's ash Dross Baghouse dust

During the galvanizing process, galvanizing fume is generated via the reaction of zinc ammonium chloride preflux salts on the steel surface once the prefluxed steel is immersed in the kettle of molten zinc. The galvanizing kettle at Pinkenba is surrounded by a fume enclosure (fume cupboard) for the collection of galvanizing fume and is provided with access doors for work access into and out of the kettle.

During the immersion of steel into the galvanizing kettles, doors to the fume cupboards are kept closed to enable the collection of the galvanizing fume. The galvanizing fume generated is collected and directed for treatment into a fabric filter dust collector (FFDC) or baghouse, for the removal of fume particulate matter, with treated air being discharged via an 18 metre high stack. The particulate matter removed from the fume cupboard is collected and stored as a dust in a drum beneath the baghouse.

This dust is collected and stored on site in a designated waste storage location prior to sending to external recyclers along with the galvanizer's ash.

The other waste streams generated during the galvanizing process are galvanizer's ash and dross. "Galvanizer's Ash" is predominantly zinc oxide and is generated following every dip in the galvanizing kettle. Galvanizer's ash floats to the surface of the galvanizing kettle where it is periodically skimmed and removed from the kettle. Ash is removed from the galvanizing kettles several times a day. Following its removal, galvanizer's ash is stored in suitable ash skips or bins, with closures in place, while awaiting its removal offsite for recycling.

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Dross is a zinc iron alloy formed by the reaction between molten zinc and steel. Dross is heavier than molten zinc, hence it settles out on the bottom of the galvanizing kettle. Dross is generally removed from each galvanizing kettle on a monthly basis.

Both waste products are removed from the galvanizing kettle and stored on site in a designated waste storage location prior to sending to external recyclers to reclaim the zinc content. Galvanizers ash and baghouse dust are transported by licensed waste transport contractors to a facility in NSW where the waste is processed to reclaim valuable zinc content. Dross is reprocessed locally in Victoria.

Natural gas is used to heat the galvanizing kettle, creating combustion waste products. During all non-production periods, the galvanizing kettle is kept covered to reduce heat losses and energy consumption.

4.1.9 QUENCHING

After the steel items are removed from the galvanizing kettle, they are moved to the quench tank where the steel is immediately immersed in the quench solution. Quenching in a solution of dilute sodium dichromate serves two main purposes:

- It cools the work pieces down from the galvanizing temperature so that they can be handled safely, and;
- It provides a passivation coating that prevents the formation of "white rust", an unsightly zinc oxidation byproduct.

At Pinkenba, galvanized steel items are immersed in the quench tank for cooling. The quench tank is of steel construction. The process parameters for the quenching operation are presented in Table 4-9. Following a suitable quenching time, the steel items are then transferred out of the quench tank and placed onto stands for drying, before they are processed for final finishing and packaging, if applicable.

With use, the sodium dichromate in the quench tank becomes consumed, requiring replacement. Daily additions of liquid sodium dichromate are added to the quench tank to maintain optimum solution concentrations.

The principal waste product generated from the quenching process is a sludge that accumulates in the bottom of the quench tank. Quench sludge is removed from the bottom of the quench tank on a twice yearly basis, and sent for disposal via authorized waste disposal contractors.

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Table 4-9 Process Parameters – Quenching Operations

Pollution Control Equipment	Concrete spill containment pit Sump for collection of spills, drips etc.
Plant and Equipment	Steel processing tank: 10.6m x 2.1m x 2.6m = 57,876 litres (Total volume)
Material Inputs	Galvanized steel Sodium dichromate solution (50% w/v) Water (Priority for reuse of any collected stormwater as top up water)
Material Outputs: Products	Quenched galvanized steel
Material Outputs: Wastes	Water vapour Quench sludge containing entrained quench solution Spent quench solution Empty chemical drums (200 litre)

4.1.10 FINISHING

Once work pieces have been quenched and cooled, they are moved to the de-jigging area for inspection. Some work pieces may require additional "dressing" for the removal of small amounts of excess zinc in the form of drips and rough surfaces prior to their movement to a white goods storage area and final dispatch.

4.1.11 WASTE STORAGE TANK

There is a storage tank used for the interim storage of liquid wastes, in particular waste acids, at the site. This tank is located within a concrete bund in a covered area, along the southern wall outside of the main pretreatment area. It is predominantly used for the interim storage of waste acid solutions as required, but could also be used as interim liquid storage whenever tank maintenance and cleaning activities are scheduled, or if required for process solution storage in the event of a chemical or tank emergency.

The capacity of this tank is approximately 46,000 litres and the capacity of the bunded area within which it is located is approximately 118,000 litres.



4.2 CHEMICALS MANAGEMENT

4.2.1 CHEMICAL STORAGE AND HANDLING

A number of chemicals defined as dangerous goods are handled and stored on the Pinkenba site. These chemicals are used throughout the galvanizing industry and significant improvements to the storage and handling procedures will be implemented as part of this site works. The location of areas where packaged chemicals will be stored and bulk chemicals handled is shown on Figure 4-5. The classes of dangerous goods to be stored on site are limited to the following:

- Class 2 Compressed Gases (Flammable and Non-flammable) – gases transported as compressed, liquefied, and refrigerated or gas in solution. Examples: Division 2.1 – Acetylene; Division 2.2 – Oxygen.
- Class 3 Flammable Liquids – liquids that give off a flammable vapour. Example: Petrol.
- Class 5.1 Oxidising Agents – substances that may yield oxygen which increases the risk and intensity of fire in other materials with which they may come into contact. Example: Sodium Dichromate
- Class 6.1 Toxic Substances – substances which may cause damage to health, if swallowed, inhaled or by skin contact. Examples include poisons and pesticides.
- Class 8 Corrosive Substances – substances that can damage living tissue and cause damage or destroy other materials. Example: Hydrochloric acid.

Of those substances stored and handled on site, only those substances with a packaging group of II or III are stored at any time. Some of the chemicals required by the galvanizing process do not require storage at the site. These chemicals are typically delivered to the site by bulk tanker and transferred directly to the appropriate process chemical tank. In terms of process solution wastes, these are generally not being stored on the site prior to disposal. Most waste solutions are disposed of directly from the tanks and removed from the site by bulk tanker. Those chemicals that require storage on site are listed in Tables 4-10 to 4-12. Material Safety Data Sheets are available for all chemicals stored and handled on the site. To ensure that no incompatible chemical substances will come into contact with one another, all packaged liquid chemicals are to be stored on suitable spill pallets such that the segregation distances are in accordance with the relevant Australian Standards.

Section 6.3 of AS/NZS 3833:1998 The Storage and Handling of Mixed Classes of Dangerous Goods in Packages and Intermediate Bulk Containers specifies the minimum segregation requirements required between package storage of different classes of dangerous goods and include:

- Incompatible substances, such as acids and alkalis shall be kept in separate spill containment compounds or segregated by at least 3m for liquids and gases or 1m for solids.



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- Substances that may react dangerously shall be segregated by at least 5m and kept in separate compounds and shall be within compounds which do not share a common drainage system.
- Liquid dangerous goods of PG II should always be regarded as incompatible with other classes of dangerous goods.
- Goods that are required to be kept in separate compounds shall be prevented from falling, leaking or spilling into another compound.

The Pinkenba site has implemented the following for its chemical storage and handling:

- Elimination of the risk of the dangerous goods in storage interacting with other substances or articles.
- All structures and plant used for the storage and handling of dangerous goods are maintained in good condition.
- Provision is allowed for spill containment, appropriate to the chemicals being stored, wherever dangerous goods are stored and handled.
- Equipment and materials for the clean up of reasonably foreseeable spills or leaks of dangerous goods are kept and maintained on site and readily accessible.
- Placarding – includes "HAZCHEM" outer warning placards and placards for all of the bulk storages and packaged chemical storage areas.
- MSDS for all of the substances stored and handled at the site are obtained and maintained up to date.
- A manifest of the site showing where dangerous goods are stored on site has been prepared and will be updated to reflect additions proposed as part of this project. The manifest includes all information required by the regulation and is located where it can be easily accessed by the emergency services authority.
- Queensland Emergency Services are kept notified of the nature and quantities of dangerous goods stored on the site.

A number of different dangerous goods are stored at the site. Where bulk chemicals are stored in the process tanks in the pretreatment areas, segregated bunded areas will be provided so that any minor spills of caustic solutions will not mix with any spills of acid or preflux solution. These bunds have been segregated following consideration of the compatibility of sodium hydroxide solutions with acid and preflux solutions.

The new bunded area (that will accommodate the caustic, caustic rinse and one of the acid tanks) has been designed to provide separate spill containment in the event of medium sized spillages. The caustic and acid bund areas have been separated with a small bund wall about 300mm high to provide some segregation and each area has its own trench drain sloping to a sump.



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The design volume of the new bund area is approximately 160,000 litres, however, the new bund has been designed to be 100mm higher than current bund to allow overflow from the new bund into the larger existing bund in the event of a catastrophic failure. The existing bund has a design volume of at least 500,000 litres which is greater than the total volume of all current pretreatment tanks combined. It is understood that this was a requirement of Brisbane City Council at the time of the development that the bund was to be designed to hold the total combined tank volume.

The proposed segregated bunding has been designed following the assessment of the likelihood of more than one catastrophic tank failure occurring at any one time to be highly unlikely. The total spill containment capacity of the pretreatment tank bund area combined is at least 660,000 litres.

The original and existing pretreatment bund area that will provide spill containment for three acid tanks, one acid rinse tank and the preflux tank is fibreglass lined concrete. The proposed bund area to house the new caustic, caustic rinse and one acid tank will be concrete lined with a polyurethane liner for suitable chemical resistance.

A concrete pit is already provided for the quench tank, in the event that spill containment is required. All bunded areas, both pretreatment and quench bunds have been designed with sumps to allow for the recovery of any spilled liquids.

To ensure that no incompatible goods in packaged storage come into contact with one another, as part of the work being implemented for chemical storage, all packaged liquid chemicals (200L drums and 1000L IBC's) will be stored on fully self contained spill pallets, of steel construction, designed with three walls and adequate capacity for spill containment. There will be no mixed storage of incompatible chemicals on these spill pallets. Figure 4-6 shows the spill pallet concept that will be used for liquid packaged chemicals.

In addition to this, any incompatible packaged dangerous goods will be stored to ensure all separation distances are in accordance with all relevant standards.

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Figure 4-6: Spill pallet concept for packaged liquid chemicals

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Table 4-10: Bulk Storage (Process Chemicals)

Existing process chemicals in bulk storage at Pinkenba are shown as unshaded. Proposed new bulk storages are shown as shaded.

PROCESS CHEMICALS					TANK	
Name	Class	Sub Risk	UN No.	Pack Group	Type	Total Volume
Caustic Degreaser ₁	8	NA	1824	II	Above Ground	102,627 litres
Caustic Degreaser	8	NA	1824	II	Above Ground	237,600 litres
Caustic Rinse	8	NA	1824	II	Above Ground	108,000 litres
Acid Tank (1)	8	NA	1789	II	Above Ground	87,480 litres
Acid Tank (2)	8	NA	1789	II	Above Ground	87,480 litres
Acid Tank (3)	8	NA	1789	II	Above Ground	87,480 litres
Acid Tank (4) ₂	8	NA	1789	II	Above Ground	237,600 litres
Acid Rinse	8	NA	1789	II	Above Ground	87,480 litres
Zinc Ammonium Chloride	8	NA	1840	III	Above Ground	60,102 litres
Sodium Dichromate	5.1	6.1	3099	II	Above Ground	57,876 litres

Notes:

1. This caustic degreasing tank will be replaced with the one of larger volume.
2. This acid pickling tank is proposed in addition to the existing three other acid pickling tanks.

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Table 4-11: Combustible Liquid Storage

COMBUSTIBLE LIQUIDS					VESSEL	
Name	Class	Sub Risk	UN No.	Pack Group	Type	Capacity
Liquefied Petroleum Gas	2.1	NA	1075	NA	Above Ground	37.5 kL
Acetylene	2.1	NA	1001	NA	Cylinder	Size G (200 litres)
Compressed Oxygen	2.2	5.1	1072	NA	Cylinder	Size G (200 litres)
Corgon	2.2	NA	1980	NA	Cylinder	Size G (200 litres)

There are no changes to the combustible liquids being stored at the site as part of this works.

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Table 4-12 Packaged Chemical Storage (Solids and Liquids)

Substance					VESSEL		Quantity Stored
Name	DG Class	Sub Risk	UN No.	Pack Group	Type	Capacity	
Sodium Hydroxide (46%)	8	NA	1824	II	IBC	1000 Litre	2000 litres
Galvpack PB	Non-dangerous goods according to ADG Code				Drum	200 Litre	1000 litres
Paint Stripper Metall Strip 41LS	6.1	NA	2810	III	Tins	25 Litre	100 litres
Antivapour	Non-dangerous goods according to ADG Code				Drum	200 Litre	< 1000 litres
Zinc Ammonium Chloride	8	NA	1759	NA	Pallet (bags)	25 kg bags	< 4000 kg
Ammonia Solution (25%)	8	NA	2672	III	Drum	200 Litre	< 1000 litres
Ammonium Chloride	No DG Class Assigned				Pallet (bags)	25 kg bags	1000 kg
Sodium Dichromate Solution (50%)	5.1	6.1	3099		II	Drum	< 400 litres
Silver spray paint	2.1	NA	1950		NA	Spray Can (400mL)	144 cans

There are no changes to the packaged chemical goods being stored at the site as part of this works.



4.2.2 CHEMICAL DELIVERIES AND DISPOSALS

Chemical deliveries to the site can take place in a couple of different ways. For those goods received in packages, i.e. drums, pallets of bags, the delivery truck can be positioned and unloaded close to the area where the chemicals will be stored, minimizing the transfer of the chemicals around the site. Bulk deliveries of process chemicals are to be carried out in the designated chemical transfer area where there is a provision for emergency spill containment. The upgrade of this chemical transfer area is included as part of this project. Based on current activities, disposal of waste process solutions and delivery of bulk liquid chemicals are carried out approximately every three to four weeks. Other waste disposal activities such as process sludge disposal take place at approximately six monthly intervals.

The upgrade to the area used for bulk chemical solution deliveries and disposals will be a bunded area with a concrete floor and concrete kerbing. The floor in this area will be slightly graded so that any spillages will be directed to a collection sump. This area is also the main traffic thoroughfare for trucks and vehicles accessing the site. The collection sump will have a storm water isolation valve installed so that any spillages in this area can be isolated from the storm water system and the sump provides for the containment and recovery of any spillages.

Upgrades to permanently fixed transfer pipe manifolds will be conducted to enable the disposal of process solutions from the plant process tanks as required, or from the waste storage tank, to a bulk tanker located in the chemical transfer area. Pipe work is also proposed that will enable bulk solution delivery directly to the process tanks via a bulk tanker located in the chemical transfer area.



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5 AIR EMISSIONS

5.1 SOURCE, NATURE AND COMPOSITION

Point sources of air emissions from the Pinkenba facility currently consist of three discharge points or stacks. DP1 relates to the baghouse stack servicing the galvanizing kettle, DP2 relates to the stack servicing the pretreatment building ventilation system and DP3 the combustion flue for the galvanizing kettle. A description of the air emissions generated on site from the galvanizing activities is provided in the following sections. Locations of these air discharge points are shown in Figure 2-3.

5.1.1 COMBUSTION OF NATURAL GAS

Natural gas is used to heat the caustic degreasing and preflux solutions in the pretreatment area and the galvanizing kettle.

The products of natural gas combustion consist predominantly of carbon monoxide, and oxides of nitrogen. As described above, the combustion waste products from the galvanizing kettle is discharged via a stack of 18 metres. The combustion process waste products from the caustic and preflux solution heating are discharged via smaller stacks into the pretreatment area, some of which will be discharged via the pretreatment ventilation extraction system.

5.1.2 GALVANIZING KETTLE EMISSIONS

Air emissions are generated from the galvanizing kettle each time a batch of steel is processed through this kettle. In order to minimize fume generation from the galvanizing kettles, preflux solution chemistry and temperatures are carefully controlled.

In order to address the air emissions generated from the galvanizing process, a fume enclosure (fume cupboards) is installed around the galvanizing kettle. The galvanizing kettle fume cupboard collects and directs galvanizing emissions to a fabric filter dust collector for treatment before discharge through an 18 metre stack.

The fume cupboard installed allows work to enter and exit the fume cupboard via access doors and these are electrically controlled and pneumatically powered to open. Switches on these doors link to the suction fan control, which has a variable frequency drive for speed control. Air enters the fume cupboard from around the base and doorways so that the fume cupboard is under negative pressure, eliminating the potential for release of fugitive air emissions.

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5.1.3 PRETREATMENT AIR EMISSIONS

Minimal quantities of hydrogen chloride vapours are emitted from the acid tanks in the pretreatment area during normal operation, however, in order to minimise the emissions from these pretreatment processes, acid solution chemistry is carefully controlled and vapour suppressants are also be used to minimise releases of hydrogen chloride from the acid tanks. A partial enclosure has also been installed around the pretreatment area that is connected via a large manifold duct in the building ceiling to an air extraction system that directs the emissions to a stack for discharge. This is referred to as DP2 and is approximately 18 metres.

5.1.4 FUGITIVE EMISSIONS

Fugitive emissions from activities at the site are mainly generated as a result of the operation of LPG fuelled forklifts and from welding activities required during plant maintenance. These emissions are expected to be small.

The partial enclosure of the pretreatment area means that there may be some fugitive emissions of hydrogen chloride vapours from this area under certain weather conditions of high humidity.

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6 WATER DISCHARGES AND USE

This section addresses the potential impacts on water and storm water as a result of the activities carried out on the site. It also discusses the use of water on the proposed site, and the management of the proposed activities to minimise any impacts to water and reduce water consumption. An Environmental Evaluation (EE) has been completed by WBM Pty Ltd that outlines proposed storm water management measures to be implemented at the site and a full copy of this report is included in Appendix 1. It is also stated that Industrial Galvanizers Corporation Pty Ltd have prepared and submitted a draft Environmental Management Program (EMP) to the Queensland EPA based on the EE that has been prepared and many of the works proposed as part of this project are included in this EMP. A copy of this draft EMP is provided in Appendix 2.

6.1 PROCESS WATER USAGE

Fresh water is typically used as part of the galvanizing production process and may be used in the following activities:

- Initial preparation of all process solutions.
- Regular top up of heated process solutions due to evaporative losses, consumption and drag out.
- Regular top up of caustic and acid rinse tanks to replace rinse water used to top up caustic and acid solutions.

Measures already in place at the Pinkenba site to minimise process water consumption and maximise potential opportunities for water recycling include:

- Installation of water efficient showers, taps etc, as required by the water restrictions in force in the Brisbane area.
- Recycling of acid rinse waters to top up the acid tanks, in preference to the use of fresh water;
- The use of insulative covers on heated caustic and preflux tanks to minimise evaporative losses, minimising water required for tank top up;
- The optimized control of the temperature of heated process solutions to avoid unnecessary evaporation of water;
- Monitoring of water usage;
- Preventative maintenance on all equipment to ensure that there are no unnecessary leaks or losses of water;
- Regular workplace inspections and audits to identify leaking equipment;



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- Awareness and education of employees to water conservation measures;

Measures to be put in place at the Pinkenba site to further minimise process water consumption include:

- The installation of rainwater tanks, at least up to 138kL, for the collection of storm water from roofed areas during rainfall events and reuse of this water in preference to town water in process tanks;
- Once the caustic rinse tank is installed as part of this site works, recycling of caustic rinse waters to top up the caustic tank, in preference to the use of fresh water.
- Installation of more efficient cisterns on the urinals in the amenities building, as required by the water restrictions in force in the Brisbane area.

6.2 DOMESTIC AND NON-PROCESS WATER USAGE

Other water uses on the site will include general use, toilets and amenities. Other minor uses will include emergency facilities such as safety showers, eye wash facilities, and firefighting equipment. All toilets, showers and amenities already have water efficient taps, fittings, and shower heads to reduce water consumption, as described above.

6.3 STORM WATER MANAGEMENT

6.3.1 ENVIRONMENTAL EVALUATION

WBM Consulting Pty Ltd was commissioned by Industrial Galvanizers Corporation Pty Ltd to prepare an Environmental Evaluation (EE) for the Pinkenba site. The Environmental Evaluation was developed as part of an investigation required by the Environmental Protection Agency for galvanizing activities undertaken on the site. The Environmental Evaluation identified a number of measures recommended to manage storm water on the site to prevent or minimise the potential for harm to downstream waters. Storm water from the site drains to piped drainage into the Brisbane River. Consequently, there is a need to manage storm water to ensure that there are no unacceptable environmental impacts resulting from activities on site.

The EE addresses the important issue of maintaining effective storm water management controls and practices at the site and considers the following key issues:

- Application of the waste management hierarchy to the management of storm water issues;
- Characteristics of the site and any opportunities and / or constraints it provides in managing quality and / or quantity;

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- Definition of acceptable Water Quality Objectives (WQO's) for storm water discharges from the site, and;
- Integration and selection of Water Sensitive Urban Design (WSUD) principles and Storm water Quality Best Management Practices (SQBMP's) into the proposed site to achieve the required WQO's and management outcomes.
- The report provides a conceptual water quality assessment of the Pinkenba site.

A flowchart outlining the basic galvanizing process to be employed at the Pinkenba site showing the possible water reuse opportunities is shown in Figure 6-1. There are a number of areas within the chemical pretreatment and post treatment processes that could provide opportunities for the reuse and / or recycle of water.

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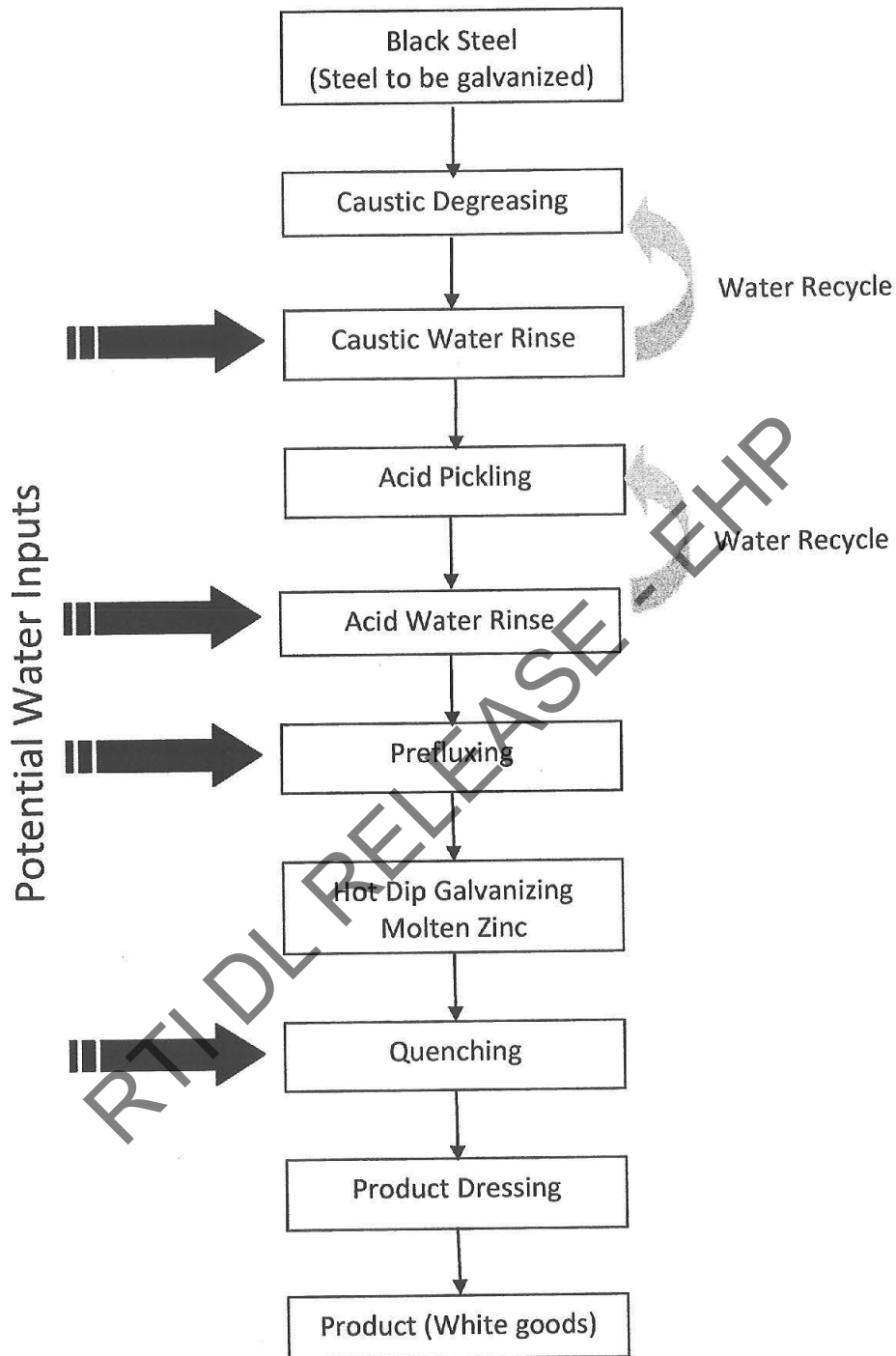


Figure 6-1: Galvanizing Process and Water Consumption Flow Diagram



6.3.2 WASTE MANAGEMENT HIERARCHY

Based on the activities and operations that are carried out at the Pinkenba site, the following potential storm water contamination sources were considered to be those requiring active management at the facility:

- Black steel – washoff (scale, rust, cutting oils etc) from storage areas;
- Jig storage and handling;
- Forklift tracking of process residues out of covered areas into areas exposed to surface runoff and rainfall;
- Baghouse dust storage and handling;
- Chemical transfer operations;
- Chemical and waste storage areas;
- Leaking oils from forklifts, trucks etc;
- Air emissions and resultant dusts;
- Road generated sources, and
- Legacy contamination from previously unmanaged areas (e.g. sediment in gully pits)

Poor management of these sources could lead to a build up of contaminants on hard surfaces with resultant transport by rainfall liberation and surface water runoff. Following the waste management hierarchy becomes imperative if the requirements for on site treatment and management are to be minimised.

6.3.3 WASTE AVOIDANCE

The avoidance of the generation of waste is ultimately the most efficient method of managing wastes within an industrial process and can often be one of the most cost effective.

In relation to the generation of storm water contaminants at the Pinkenba site, work practices and operations within the galvanizing process have the potential to deposit quantities of zinc and other residues onto hard surfaces where they can become storm water issues. Waste avoidance practices therefore need to focus on ensuring that material is not exposed to contact with rainwater or liberated by runoff generated on or off site. To accomplish this, areas where active work processes are being undertaken need to be covered to prevent storm water ingress and egress and prevent contact of these processes with incident rainfall. In addition, storage of items that have a high potential for zinc or other chemical or residual runoff should be kept in covered areas.



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From the above, the following general waste avoidance practices are already implemented at the Pinkenba facility by Industrial Galvanizers:

- Roofing of active work and processing areas to prevent rainwater contact;
- Isolation of active work and processing areas from potential sources of runoff;
- Ensuring continuous sweeping of active work areas to reduce the likelihood of tracking of contaminants to exposed areas;
- Prevention of rainwater coming into contact with packaged chemicals;
- Continuous education of personnel to ensure a maintenance of awareness regarding pollution prevention and waste avoidance;
- Ensuring a robust reporting and continuous improvement system is implemented to identify other likely sources or new waste avoidance practices.

Those measures to be implemented at the Pinkenba facility, as part of the proposed works, include:

- Prevention of rainwater coming into contact with headframe jigs used frequently in the galvanizing process;
- Prevention of rainwater coming into contact with wastes being stored on site while awaiting movement offsite;
- Ensuring the adequate bunding of chemical processing tanks, storage areas and transfer areas and avoidance of storm water ingress into these areas;

As already noted, waste avoidance is an ongoing process and not simply limited to engineering solutions. It must be based on a continuous improvement system that actively seeks to identify, and manage actual and potential sources of waste and to educate all staff involved in the process and operational side of the business in the necessity of waste prevention and minimisation.

The following site specific actions have been incorporated into the proposed works at the Pinkenba facility to avoid the generation of contaminated storm water runoff:

- Covering the jig storage area between the jigging and dressing halls with a new roof and extension of the jigging hall to the west to provide an additional covered area for preparing jigs. This will prevent the wash-off of zinc and zinc residues from the stored jigs during a rain event.
- Installation of bio-retention pits to capture storm water run-off from the storage yard and surrounding road-ways to minimize the level of zinc and zinc residues entering the storm water system.



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- Installation of a trench drain across western part of main building to prevent zinc wash-off from the galvanized steel in the storage yard entering the storm water drains inside the building. This storm water run-off to be directed through a bio-retention pit.
- Installation of rainwater tanks to capture storm water run-off from the roof for reuse in the process.
- Installation of an upgrade to the bunded area used for chemical transfers to minimize the risk of spills entering the storm water system.
- Install a chemical storage shed with spill containment for storing of chemicals used on site.

Frequent housekeeping measures are regularly undertaken of work storage areas, chemical and waste storage areas and regular training in spillage and leak controls is provided.

6.3.4 STORMWATER REUSE AND RECYCLING

The potential for the reuse of rainwater on the Pinkenba site has several benefits and will be maximised wherever possible. These benefits include the following:

- Reduction in surface water runoff on site by prevention of roof water contributing to runoff volumes;
- Collection of a clean water source and preventing this from mixing with storm water streams from hard surfaces around the facility;
- Providing an alternative water supply to reduce dependence on potable water.

To facilitate this, rainwater tanks are to be installed wherever possible to collect and reuse roof water where space and operational requirements allow.

The following site specific actions have been incorporated into the proposed works for the Pinkenba site to enable the collection and reuse of collected storm water:

- Installation of rainwater collection tanks for roof water harvesting;
- Installation of reticulation to enable reuse of collected rainwater in process tanks in preference to town water supply.

6.3.5 STORMWATER QUALITY TREATMENT TRAIN

As discussed in the Environmental Evaluation, in addition to the application of the waste management hierarchy and the use of rainwater collection tanks for roof water harvesting, bioretention trenches have been proposed to improve storm water quality discharging from the site in accordance with best management practice.



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A bioretention system is a soil and plant based SQSMP. A typical system consists of a porous medium such as gravel, sand or sandy loam. A strand of grasses may also be established to promote evapotranspiration, maintain soil porosity, encourage biological activity and promote uptake of some pollutants. Runoff from the site is to be directed into the bioretention facilities where it infiltrates the plant/mulch/soil environment. Four bioretention systems have been proposed for this site. These systems are proposed to treat the majority of the open hardstand areas draining to the product storage, car park and roadway catchments.

Bioretention system performance for the treatment of pollutants, including heavy metals, has been studied by several research groups and this is discussed in detail in the EE provided in Appendix 1. Information about the selection, design and operational and maintenance procedures for the bioretention systems is outlined in the EE document.

6.3.6 STORMWATER ISOLATION VALVES

The primary control for minimising the potential for storm water contamination at the Pinkenba site is the application of the waste management hierarchy to minimise the requirements for storm water treatment and management that incorporates the implementation of best practice housekeeping and storage of raw materials, wastes, chemicals and equipment that has the potential to contribute to storm water issues. Secondary storm water management measures incorporate the use of bioretention systems for the treatment of surface water runoff from hardstand areas.

A storm water isolation valve is proposed for the Pinkenba site on the sump that will be installed as part of the chemical transfer area. As a tertiary measure if required in the event of an incident, the use of this storm water isolation valve will ensure that there is no possibility for storm water contamination beyond the boundary premises.

6.3.7 SITE PLAN

A plan of the site showing the storm water discharge locations and the location of the bioretention systems is shown in Figure 6-2 and also provided in Appendix 1.

6.3.8 LOCATION OF RECEIVING WATERS

Storm water runoff following treatment through the biofilter systems is proposed to be discharged from the site via two separate discharge point(s) as shown on Figure 6-2. The nearest receiving water body to the site is the Brisbane River.

6.3.9 MONITORING

The site has installed automatic stormwater samplers in key stormwater drains. The quality of storm water being discharged from the site will be monitored as rainfall allows.

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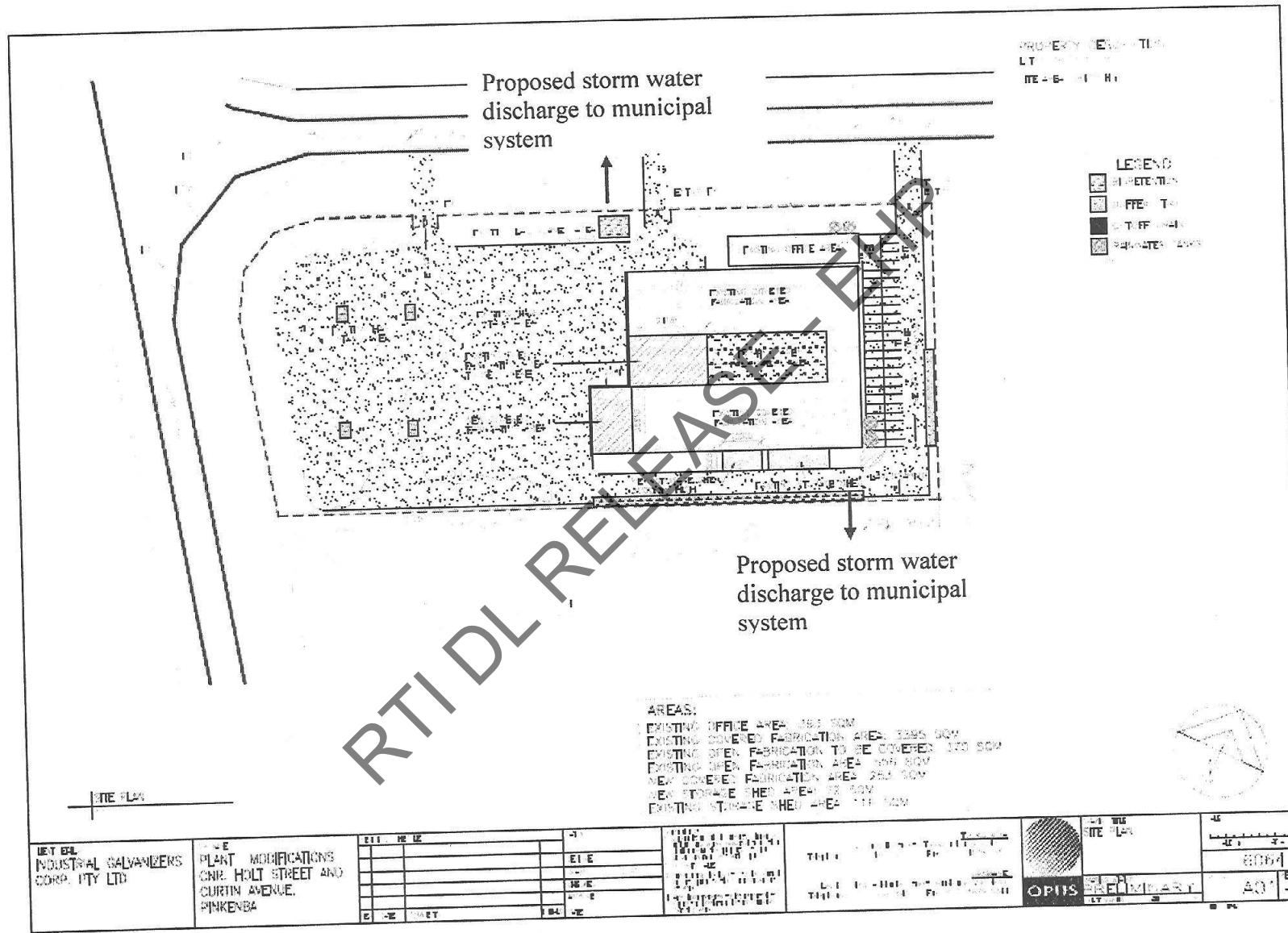


Figure 6-2

Site Map Showing Locations of Biofilters, Cut off Drains, Rainwater Tanks.



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7 WASTE MANAGEMENT

7.1 INTRODUCTION

There are a number of different waste streams generated as a result of the activities carried out as part of the galvanizing process. A description of the wastes that are and can be expected to be generated at the site is described below. Strategies have been implemented to minimise the quantities of waste requiring disposal. Waste streams that can be recycled or reused have been identified and practices have been implemented.

7.2 WASTE STREAMS

7.2.1 OFFICE WASTE

The main wastes generated as a result of office activities are paper, cardboard, domestic waste and computer related wastes. All paper related wastes are collected in dedicated paper recycling bins which are emptied on an as needs basis. Office wastes other than paper are stored in a general rubbish bin which is serviced on an as needs basis.

7.2.2 METAL MANUFACTURING WASTE

Metal manufacturing wastes typically consist of scrap steel, welding rods etc. These are collected in steel recycling bins. These bins are emptied on an as needs basis to steel recycling merchants.

7.2.3 GENERAL WASTE

General waste streams comprise predominantly of domestic waste and other inert wastes that cannot be recycled. There are a number of general waste bins located on the site in easily accessible areas to promote use.

7.2.4 PROCESS WASTE

Jigging / Un-jigging Waste

The main wastes that are generated as a result of jigging and un-jigging activities in the galvanizing plant would include scrap wire, scrap steel and metallic zinc. Any metallic zinc removed from the jigs is collected in designated zinc recycling bins and is periodically recycled back to the galvanizing kettle. Scrap wire is collected in a steel recycling bin which is periodically removed from site by steel recycling merchants. The steel jigs become a waste stream when they are no longer usable. At this stage, the steel jigs are sent to metal recyclers as steel scrap.



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Caustic Degreasing Waste

The principal waste generated as a result of the caustic degreasing process is the sludge that accumulates in the bottom of the caustic degreasing tank. This sludge is generated as a byproduct of the steel cleaning process and consists typically of saponified oils, greases, sodium carbonate, solids such as paint and dirt, metal hydroxide precipitates and other carbonates such as zinc carbonate. The degreasing solution is replenished with sodium hydroxide and surfactant, hence, the caustic degreasing solution does not require disposal. The accumulated sludge from the caustic degreasing tank is typically removed twice per year, at approximately six monthly intervals, allowing the tanks to be inspected at regular intervals, and improving the energy efficiency of the caustic heating system. All caustic sludges are removed as regulated industrial wastes from the site by authorised waste disposal contractors.

The other wastes generated from the caustic degreasing process are the empty chemical containers that contained sodium hydroxide solution and the empty 200 litre drums that once contained the surfactant additive used in the degreasing process. The surfactant can be supplied in either plastic or steel drums. Empty IBC's that have contained sodium hydroxide solution are recycled back to the supplier. Empty drums are triple rinsed, with the rinsate being used back in the degreasing tank. Cleaned drums are typically disposed of as general rubbish or reused on site for other purposes.

Caustic Rinsing Waste

There shall be little or no wastes generated from the caustic rinsing process to be installed. It is proposed to use the caustic rinse water as top up water for the caustic degreasing solution to replace volume lost due to evaporation, consumption and dragout. There may be some sludge that accumulates in the bottom of the rinse tank and this will be disposed of as for the caustic degreasing waste.

Acid Pickling Waste

The principal waste generated from the acid pickling process is the spent pickling solution. All chemical process solutions are regularly monitored to ensure optimum process parameters are maintained and to avoid unnecessary solution wastage. Spent acid solutions are removed as regulated industrial wastes from the site by authorised waste disposal contractors.

The other waste generated from the acid pickling process is the empty 200 litre drums that once contained the additives used in the pickling process. These empty drums are triple rinsed, with the rinsate being used back in the pickling tanks. Cleaned drums are typically disposed of as general rubbish or reused for other purposes.

Acid Rinsing Waste

There is little waste generated from the acid rinsing process. Each time a new acid formulation is prepared, acid rinse water is used to top up the acid tank to the required solution level. Fresh water is added to the acid rinse tank to replace the acid rinse tank to the required solution level.



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Preflux Waste

Preflux solutions are replenished with zinc ammonium chloride and other chemicals to maintain optimum preflux solution chemistry. The principal waste generated as a result of the prefluxing process is iron hydroxide sludge. There is sludge accumulation in the preflux tank. The preflux tank is cleaned at least twice per year, to remove accumulated sludge, at approximately six monthly intervals. All preflux sludges are removed as regulated industrial waste from the site by authorised waste disposal contractors.

Other wastes generated by the prefluxing process are empty bags that once contained zinc ammonium chloride, and empty 200 litre drums that contained ammonia solution. Empty drums are triple rinsed, with the rinsate being used back in the preflux tanks. Empty chemical drums will be recycled back to the supplier where this service is available.

Galvanizing Waste

There are a number of outputs generated as a result of the immersion of steel into the galvanizing kettle. These outputs from the galvanizing kettle are all recycled to reclaim the valuable zinc content. The three outputs produced are:

- Galvanizer's ash
- Zinc dross
- Baghouse dust

Ash removed from the galvanizing kettle is stored in steel drums or skips while awaiting movement off site for reprocessing. Dross is removed from the galvanizing kettle as a dense solid and is transported in ingot form. Baghouse dust is collected and stored in sealed 200 litre drums while awaiting movement off site for reprocessing. All are transported as regulated industrial waste and reprocessed by authorised waste treatment facilities.

Quenching Waste

The principal waste generated as a result of the quenching process is a quench sludge that accumulates on the bottom of the quench tank. The quench sludge is typically a mixture of zinc and chromium compounds and is classified as a regulated waste requiring disposal by authorised waste disposal contractors.

Quenching solutions are constantly being replenished with sodium dichromate, hence, the quench solution does not typically require disposal. Accumulated quench sludge is removed from the tank typically twice per year, at approximately six monthly intervals, allowing the tanks to be inspected at regular intervals.



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The quench solution is replenished by the addition of sodium dichromate liquid (50%) that is delivered to the site in 200 litre drums. These empty drums are triple rinsed, with the rinsate being used back in the quench tanks. Cleaned drums are typically disposed of as general rubbish.

7.2.5 MAINTENANCE WASTE

There are a number of other waste streams that can be generated as a result of process maintenance activities that take place on the site. These wastes can include materials used for tank construction such as bricks, timbers and plastic liners. These wastes have typically been in contact with process solutions so are treated and disposed of as regulated wastes, however, the production of these wastes cannot be estimated or forecasted. If galvanizing kettle and furnace repair is required, typically every seven years, there may be a requirement to dispose of used insulating material that is used within the furnace. This insulation material waste is classified as a regulated waste.

7.3 WASTE STORAGE

The main waste streams requiring interim storage while awaiting movement off site include office wastes, metal manufacturing wastes, general wastes, recycled steel and packaging wastes, and those wastes generated from the galvanizing kettle that are recycled for zinc content. All of the other process wastes are disposed of directly into bulk tankers of approved waste disposal contractors, requiring no interim waste solution storage.

Metal manufacturing, steel scrap, general and packaging wastes are collected in designated skip bins provided by waste disposal contractors.

The recyclable galvanizing wastes of ash, dross and baghouse dust are stored in sealed, labeled containers and located in a covered designated waste storage area, while awaiting movement off site.

7.4 WASTE DISPOSAL

All regulated wastes are disposed off site using approved waste disposal transporters to approved waste treatment facilities. Waste transport certificates are prepared for all regulated wastes moved off site and copies forwarded to the Environmental Protection Agency.

For those wastes transported into New South Wales for recycling, (ash and baghouse dust), a consignment authorisation is obtained each year from the NSW Department of Environment and Climate Change (DECC). Licensed waste disposal transporters are used to transport these materials into NSW.



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7.5 WASTE MINIMIZATION

The following section outlines the waste minimization strategies that have been or will be implemented at the Pinkenba site. It is envisaged that the proposed environmental upgrades will enable the waste management hierarchy as described in the Environment Protection Act 1994 to be applied. Where applicable, examples of the application of elements of the waste management hierarchy to the wastes produced as a result of site operations will be described.

The waste management hierarchy from the EP Act 1994 is outlined below:

1. Avoidance
2. Reuse
3. Recycling
4. Recovery of Energy
5. Treatment
6. Containment
7. Disposal

Waste minimization practices can benefit the operation of the site through the following:

- Reducing the cost of the material inputs into the production processes;
- Recycling and reuse of waste materials generated on site;
- Reducing the quantities of waste removed off site;
- Encouraging material suppliers to take back packaging materials.

7.6 WASTE AVOIDANCE

Examples of how waste avoidance is implemented at the Pinkenba site include:

- Ongoing chemical and process control optimizes chemical efficiency and reduces chemical consumption and waste disposal volumes.
- Recycling of acid rinse water back to pickling tanks during acid makeup eliminates the requirement for the disposal of this rinse water.
- Use of foam blankets and insulative covers on the heated caustic degreasing tank to minimize heat losses, emissions of steam, water consumption, and generation of combustion wastes and greenhouse gases.
- Use of foam blankets and insulative covers on the heated preflux tank to minimize heat losses, emissions of steam, water consumption, and generation of combustion wastes and greenhouse gases.



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Examples of how waste avoidance will be implemented at the Pinkenba site as part of this proposed works include:

- Collection and reuse of stormwater harvested from all roof areas during rainfall events.
- Recycling of caustic rinse waters back to caustic degreasing tank eliminates the requirement for disposal of this rinse water.
- Segregated pretreatment bund to be installed with the new caustic and caustic rinse tanks will enable effective reuse of any spilled and captured process solution back to the appropriate process tanks, eliminating the need for the disposal of mixed process solution residues.

7.7 WASTE REUSE

Examples:

- Segregated pretreatment bund to be installed with the new caustic and caustic rinse tanks will enable effective reuse of any spilled and captured process solution back to the appropriate process tanks, eliminating the need for the disposal of mixed process solution residues.
- Reuse of empty chemical drums for the storage of baghouse dust.
- Reuse of timber packaging as dunnage for storage of steel products.

7.8 WASTE RECYCLING

Segregation of waste streams are undertaken to ensure that all recyclable wastes are kept separate from general wastes. This is facilitated by the provision of designated waste bins for recyclable materials and employee education programs.

- Galvanizer' ash, zinc dross and baghouse dust are all reprocessed by authorised waste facilities to reclaim the valuable zinc content.
- Recycling of any metallic zinc that is recovered from jigs etc back to the galvanizing kettle.
- Empty IBC's used for packaged chemicals are recycled back to the supplier.
- Recycling of empty chemical drums back to appropriate chemical suppliers.
- Steel scrap is sent to steel merchants for recycling.
- Recycling of paper and cardboard via collection in specially assigned recycling bins in office areas.

7.9 WASTE TREATMENT

There are no waste treatment processes carried out at this site.



8 ENERGY MANAGEMENT

8.1 INTRODUCTION

The main activities requiring the use of energy at the Pinkenba site includes:

- Use of natural gas for the heating of selected process tanks and zinc furnace;
- Operation of pollution control equipment such as the fabric filter dust collector and pretreatment ventilation extraction system;
- Lighting and cooling of office and factory buildings;
- Operation of plant and equipment e.g. air compressors, fans, pumps etc;
- Use of fuels (LPG) to operate forklifts on the site.

In order to reduce energy consumption and greenhouse gas emissions at the site, the following energy saving initiatives have been implemented to ensure energy consumption is reduced as far as possible:

- Regular tuning and maintenance for all natural gas heating appliances to maintain optimum combustion efficiencies;
- Use of insulative covers on heated process tanks and galvanizing kettles to reduce heat losses and energy consumption;
- Regular cleaning of heated process tanks for sludge removal which can affect heating efficiencies;
- Regular servicing of forklifts;
- Regular servicing of major pollution control equipment that consume large quantities of electricity;
- Use of variable speed drives for large motors;
- Regular compressed air audits to identify and rectify air losses;
- All lighting and air conditioning in office buildings turned off when not in use;
- Regular energy audits and monitoring of energy usage by Group Combustion Engineer.



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9 MANAGEMENT SYSTEMS

Industrial Galvanizers Corporation Pty Ltd has an Environmental Policy in place and has recently implemented an Environmental Management System (EMS) based on ISO14001 with the use of an “off the shelf” software package.

As part of the operation of the environmental management system and the ongoing continual improvement in environmental performance, operational procedures will continue to be developed and will include procedures that cover:

- Water management – relating to the management of stormwater and water conservation on the site.
- Air management – relating to controlling air emissions such as fume, dust and odour on the site. Monitoring and inspections are regularly carried out to ensure compliance.
- Waste management and minimisation – a procedure outlining waste control, management and disposal for the site.
- Emergency preparedness – outlining the site’s response in an emergency situation, including chemical spill and clean up.
- Environmental monitoring – outline of the monitoring required to ensure continued compliance.
- Emission control equipment maintenance – relating to the requirements for managing and maintaining all of the emission control equipment on the site.
- Complaints management – outlining the requirements for the management of any environmental complaints.

The use of the management system software will also enable the integration of the existing safety and quality management systems into the one standardised system.

Also incorporated into the system is an Energy Management Plan that provides for the reduction of gas consumption and to ensure that best practice industry combustion standards are followed.

In addition to the use of formalized management systems, all Industrial Galvanizers plants have a process control system in place to ensure the control of chemical constituents in pretreatment and post treatment process solutions in order to optimize process conditions. Similar systems are in place for the control of the composition of the galvanizing kettles. Samples are taken from all process tanks and galvanizing kettles and sent to a central laboratory for chemical analysis. Process control management enables sites to be able to minimize waste generation and disposal, and to optimize process solution efficiency and effectiveness, minimizing product quality issues and requirements for rework.



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10 RISK MANAGEMENT

10.1 EMERGENCY RESPONSE

The Industrial Galvanizers (Brisbane) site has developed and implemented an emergency response procedure to provide an appropriate response to emergencies such as fire, explosion, chemical spill, bomb threat, major gas leak and serious accidents. This procedure will be updated to reflect the proposed changes and will include the following information:

- Identification of person's with emergency response responsibilities;
- Procedures for dealing with a number of different emergency situations;
- Procedures to notify appropriate authorities providing assistance, ie police, fire brigade, ambulance etc;
- Spill containment, isolation, diversion, clean up, disposal etc;
- Corrective actions and review of procedures following an emergency response;

Emergency spill equipment is held and maintained at the site in areas where risks of spillages can occur. All employees are inducted in emergency response procedures and emergency response drills are periodically conducted to ensure the ongoing effectiveness of the procedures. Employees are also regularly provided with emergency response refresher training. This is done in conjunction with on going inspections and maintenance of all physical and engineering controls such as emergency spill kits, bunds, fire extinguishers, first aid kits etc.

10.2 HOUSEKEEPING

Good housekeeping practices are designed and implemented to maintain a clean and orderly work environment. Poor housekeeping can result in more waste being generated than necessary and an increased potential for environmental contamination.

Good housekeeping practices have been and will continue to be implemented at the site to minimise risks to the environment and will incorporate the following measures:

- Maintaining clean floors and ground surfaces by regular sweeping;
- Regular pick up and disposal of garbage and waste material;
- Making sure that all equipment is working properly;



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- Routinely inspecting for leaks or conditions that could lead to discharges of chemicals or contact of stormwater with raw or waste materials;
- Ensuring that spill clean up procedures are well understood by employees;
- Proper storage of raw and waste materials;
- Training of employees in good housekeeping techniques via toolbox meetings, awareness training and operational procedures.

10.3 PREVENTATIVE MAINTENANCE

Industrial Galvanizers (Brisbane) maintain the inspection and maintenance of all plant and equipment, including relevant environmental control equipment using the off the shelf software package used for the implementation of the Environmental Management System at the site. The software program provides for scheduled reminders for the inspection and preventative maintenance of the equipment registered on the site.

10.4 TRAINING

Industrial Galvanizers (Brisbane) recognizes the importance of providing access to environmental training for all employees. Employees can undergo customized environmental training, depending on the potential impact of their role.

Upon employment, all new employees and contractors must undergo an induction program that is aimed at raising their safety and environmental awareness, and to ensure that they understand company rules and work practices. It is also designed to ensure that they understand their roles, responsibilities and obligations under the relevant workplace health and safety and environmental legislation.

Other environmentally related training ranges from periodic toolbox topics to specifically developed environmental awareness presentations and spill control training.

APPENDIX 1

RTI DL RELEASE - EHP

APPENDIX 2

RTI DL RELEASE - EHP

DRAFT ENVIRONMENTAL MANAGEMENT PROGRAM

INDUSTRIAL GALVANIZERS (BRISBANE)

FOR APPROVAL BY THE QUEENSLAND ENVIRONMENTAL PROTECTION AGENCY

OBJECTIVE 1	
1) To minimize the quality and quantity of contaminated stormwater generated at the Pinkenba facility through appropriate site management works.	
AIM 1	
1) Implement best practice housekeeping measures where active work processes are being undertaken to reduce exposure of potential stormwater contaminants to stormwater runoff.	
ACTIONS	Completion Date
Implementation of a 5S housekeeping program to ensure team members have assigned responsibilities for site housekeeping.	1/8/08
Undertake frequent cleaning of work storage and processing areas as part of the 5S program to collect any dusts or metallic fines.	Ongoing
Undertake regular training in spillage and leak controls.	August Annually
AIM 2	
1) Prevent any release of contaminants from chemical and waste storage facilities.	
ACTIONS	Completion Date
Construction of a dedicated chemical and waste storage area to prevent stormwater contact and ensure adequate bunding.	31 December 2008
Construction of spill pallets for all packaged liquid chemicals being stored at the facility.	30 June 2008
Storage of all solid packaged chemicals in designated undercover storage.	Ongoing
Storage of all liquid packaged chemicals on spill containment pallets within designated undercover storage area.	30 June 2008

**Stormwater Environmental Management Program
Industrial Galvanizers (Brisbane)**

Page 1 of 3

Revision Date: 30 October 2007

ACTIONS	Completion Date
Storage of solid process wastes (i.e. ash, dross and baghouse dust) awaiting movement in sealed containers in undercover areas.	Ongoing
Design and construct an upgrade to the main chemical transfer area with isolation valves to prevent release of contaminated stormwater.	31 December 2008
AIM 3 1) Prevent release of contaminants from headframe jig storage and handling.	
ACTIONS	Completion Date
Continued implementation of the storage of headframe jigs not in use in an outdoor bunded storage area with stormwater collection sumps to minimise contaminated stormwater runoff from headframe jig storage.	Ongoing until jig transfer and storage area is roofed. 31 December 2008
Implementation of a system for assessing, cleaning and repairing headframe jigs to remove build up of zinc residues.	31 March 2008
Design and construct a roof over the jig transfer and storage area to prevent stormwater contact with headframe jigs.	31 December 2008
AIM 4 1) Reduction in surface water runoff from the site by reduction in roof water contributing to runoff volumes; 2) Collection of roof water from some factory roof areas; 3) Providing an alternative water supply to reduce dependence on potable water for processing.	
ACTIONS	Completion Date
Installation of three rainwater tanks (approximate total volume 138kL) for roof water harvesting.	31 December 2008
Installation of reticulation to enable reuse of collected rainwater in process tanks in preference to town water supply.	31 December 2008

**Stormwater Environmental Management Program
Industrial Galvanizers (Brisbane)**

Page 2 of 3

Revision Date: 30 October 2007

Pratik Patel

From: Mensinga, Anna [amensinga@golder.com.au]
Sent: Monday, 24 July 2006 11:41 AM
To: pratik.patel@epa.qld.gov.au
Cc: Allan, Melanie; Matthew.Buchanan@iluka.com
Subject: 200 Holt st, Pinkenba

Pratik,

Further to our fax dated 13 July 2006 regarding the notification of lots for the EMR Matthew Buchanan from CRL has requested that I forward on to you the report of the Radiological Investigation done on the site.

Please find attached a copy of the Radiological Investigation conducted at 200 Holt Street, Pinkenba.

Regards,

Anna Mensinga
Environmental Scientist

Golder Associates
Brisbane Office
611 Coronation Drive, Toowong QLD 4066
(PO Box 1734, Milton BC 4064)
Phone: 07 3721 5400
Fax: 07 3721 5401

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RTI DL RELEASE - EHP

FACSIMILE TRANSMISSION

Golder Associates Pty Ltd
611 Coronation Drive
TOOWONG QLD 4066
(PO Box 1734, MILTON BC QLD 4064)



Telephone: (61-7) 3721 5400
Facsimile: (61-7) 3721 5401
A.B.N: 64 006 107 857

BNE 2006/11642

BNE 20825-3

DATE: 29 August 2006 **JOB NO:** 026-04633010

TO: Pratik Patel **FAX NO:** 07 3227 7677

EPA **TOTAL PAGES:** 2

COPY: Matthew Buchanan **cc: FAX NO:** 07 3409 6901

Consolidated Rutile Limited Pty Ltd

FROM: Anna Mensinga **EMAIL:** amensinga@golder.com.au

RE: Clarification - Notification of lots for EMR

Dear Pratik,

Further to our fax dated 13 July 2006 in response to your letter dated 20 June 2005 (see attached) we confirm that the following lots require listing on the Environmental Management Register for the notifiable activity of minerals processing.

<u>Lot</u>	<u>Notifiable activity</u>
• Lot 1 on SP 168014	Minerals processing
• Lot 2 on SP 168014	Minerals Processing
• Lot 905 on SL 6244	Minerals Processing
• Lot 1135 on SL 9562	Minerals Processing

We note that some of these lots are already listed on the EMR for other notifiable activities.

The physical processing of Ilmenite occurred on Lot 1 on SP 168014 and Lot 2 on SP 168014 and the physical processing of Rutile and Zircon occurred on Lot 905 on SL 6244 and Lot 1135 on SL 9562 (see attached CRL file note dated 4 July 2006).

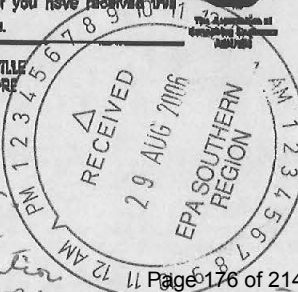
According to the EPA, Lot 1 on S22223 and Lot 1 on S21824 are located in the Brisbane River and do not exist as current lots and do not require listing on the EMR.

Please advise immediately if any pages are not received



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OFFICES ACROSS AFRICA, ASIA, AUSTRALASIA, EUROPE, NORTH AMERICA, SOUTH AMERICA



Received telephone call from Anna (Golder Asso.) on 31/8/06 @ 10:08am. She was asking the status of provided notification. I indicated that it's under review. Also, I clarified that the location of A2494/S22223 & L21/S21824 is subject to long term from DNRM, which is owner's responsibility and not EPA's. EPA can only assist.

21/8/06 (PRATIK PATEL)

Pratik Patel
EPA

29 August 2006
026-04633010

- 2 -

Yours faithfully,
GOLDER ASSOCIATES PTY LTD

s.73

Anna Mensinga
Environmental Scientist

Marshall Lee
Manager Environmental Services

Hard copy to follow by mail: ☐ Yes ☒ No

J:\Brisbane.04\Environ.04\04633010 Pinkenba\00_CORRESPONDENCE\OUT\026-04633010F-Clearification of Notification of lots for EMR.doc

RTI DL RELEASE - EHP

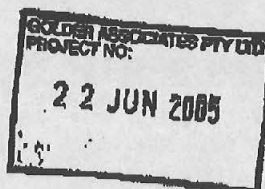
Golder Associates

29. AUG. 2006 11:20

Golder Associates Pty Ltd

NO. 2396 P. 3

Release


**Queensland
Government**

Enquiries: Michelle Smallwood
Telephone: (07) 3225 8416
Your reference: 011-04633010
Our reference: BNE20825

Environmental Protection Agency

 Incorporating the
Queensland Parks and Wildlife Service

20 June 2005

Mr Ken Gilbert
 Golder Associates Pty Ltd
 PO Box 1734
 MILTON BC QLD 4064

Dear Ken

Stage 1 Preliminary Site Investigation Report, 200 Holt Street Pinkenba

The Environmental Protection Agency (EPA) has reviewed the report titled *Stage 1 Preliminary Site Investigation, 200 Holt Street, Pinkenba, Queensland* dated October 2004 and I can provide the following advice.

A recommendation to alter the status of Lots 178 and 179 on SP153111 on the Environmental Management Register (EMR) can not be made until radiation health issues are resolved or clarified. You are requested to liaise directly with Queensland Health's Radiation Health Unit (contact Ms Uma Rajappa, telephone 07-3406 8011) in relation to radiation health issues and advise EPA when issues are resolved or clarified. Radiation Health have advised the EPA that a radiation assessment must be conducted by a suitably qualified person who is a member of a prescribed organization defined under Schedule 8A of the *Environmental Protection Regulation 1998*.

Stradbroke Rutile Pty Ltd is the registration holder for SR2135 (formerly referred to as 'integrated environmental authority' holder) for carrying out the environmentally relevant activity of mineral processing at Lot 905 on Plan SL6244, Lot 969 on Plan SL803690, Lot 1135 on Plan SL9562, Lot 1 on Plan S22223 and Lot 1 on S21824 Parish of Toombul, County of Stanley. A search of the EMR has revealed that the above-mentioned real property descriptions are not listed on the EMR for the Notifiable Activity of *Mineral Processing - chemically or physically extracting or processing metalliferous ores*. A review of the EPA file has noted that Stradbroke Rutile Pty Ltd have not responded to the EPA letter of 29 January 2003 requiring notification of land on the EMR. Please clarify with Consolidated Rutile Limited whether all of the above-mentioned premises require listing on the EMR for the notifiable activity of mineral processing.

Page 1 of 2

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160 Ann Street Brisbane
 Queensland 4000 Australia
 PO Box 155 Brisbane Albert Street
 Queensland 4002 Australia
 Website: www.epa.qld.gov.au
 ABN 67 221 158 786

It is a requirement of the *Environmental Protection Act 1994* that the occupier/owner notify the EPA within 30 days after becoming aware of a Notifiable Activity on their premises. For your assistance a notification form is enclosed for submission to the EPA by no later than 1 August 2005.

Should you require any further assistance in relation to this matter, please contact me on 3225 8416.

Yours sincerely

s.73

Michelle Smallwood
Principal Environmental Officer
Contaminated Land Unit

Encl. Section 371. Notification of land form

C/c Mr Paul Smith
Consolidated Rutile Limited
PO Box 47
Dunwich QLD 4183

Southern Region EPA, Attention: Mrs Sinead Summerville

29. AUG. 2006 11:20

Golder Associates Pty Ltd

NO. 2396 P. 5

**Consolidated Rutile Limited****FILE NOTE**

TO : File ECR11
FROM : Matthew Buchanan
DATE : 4 July 2006
SUBJECT : PINKENBA NOTIFICATION OF LOTS ON EMR

Land occupied by CRL for operation of the Pinkenba dry mill and associated facilities has never been listed on the Environmental Management Register (EMR) for potential land contamination, despite requests from the EPA in 2003 and 2005. One of the lots (Lot 2 on SP168014) is soon to be sold and the land contamination issues need to be resolved administratively, or at least in train before settlement occurs.

Two things need to occur:

1. Listing of all affected properties currently owned by CRL on the EMR for minerals processing; and
2. Development of a site management plan for future management of activities so as to be consistent with potential contamination issues.

Three site investigations are relevant to the properties in question, namely:

- Stage 1 Preliminary Site Investigation 200 Holt Street Pinkenba, Golder and Associates 2005 (CD on file);
- Environmental Assessment of Underground Fuel Tank Excavations, 200 Holt Street, Pinkenba, Egis Consulting, 2000
- Radiological Investigation No OSPQ566/567.

EPA wrote in June 2005 requiring that certain lots be listed, as in the table below:



File Note - Notification of Lots for EMR Pink 040706 mbuch

Page 1 of 2

29. AUG. 2006 11:20

Golder Associates Pty Ltd

NO. 2396 P. 6

Release



Consolidated Rutile Limited

Original lot in EPA letter	Reconfigured as	Activities occurred there	Requires listing?
969 on SL203960	Lot 1 on SP168014 and part of Lot 2 on SP168014	Also includes former lot 972 on CP893158. Ilmenite plant for minerals processing, storm and process water control pond, drying areas	Yes
905 on SL6244	N/a	Rutile and Zircon dry mill for minerals processing, drying yards, wet mill, slimes storage.	Yes
1135 on SL9562	N/a		Yes
1 on S22223	N/a	None - lot wholly contained within Brisbane River	No
1 on S21824	Unknown lot	Unknown lot	

On this basis, the following lots are required to be listed for minerals processing, in addition to any current listings:

- Lot 1 on SP168014;
- Lot 2 on SP168014;
- Lot 905 on SL6244;
- Lot 1135 on SL9562.

The only minerals processing activities to occur on Lot 1 on SP168014 was the operation of a storm and process water control dam, which collected sediments from within the dry mill. This dam has since been decommissioned and filled in (refer Qld Health Reports).

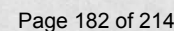
Attachments:

Latest Blinmap showing cadastral boundaries;

Old boundaries from Port of Brisbane.

Matt Buchanan

NO. 2396 P. 7



29. AUG. 2006 11:20

Golder Associates Pty Ltd

NO. 2396 P. 8

(Dolling No.)		Registered		6. Lodged by			
				(Include address, phone number, reference, and Lodger Code)			
1. Certificate of Registered Owners or Lessees: I/We <u>Golder Associates Pty Ltd</u> <u>David John Hall (Director)</u> <u>Shadaker Pty Ltd</u> (Names in full) As Registered Owners of this land agree to this plan and dedicate the Public Use Land as shown herein in accordance with Section 50 of the Land Title Act 1994. Agreement of this land goes to this plan. Signature of *Registered Owners *Lessees— * Rule out whichever is inapplicable 2. Local Government Approval <u>BRISBANE CITY COUNCIL</u> herby approves this plan in accordance with the: % <u>INTEGRATED PLANNING ACT 1997</u> 3. Plans with Community Management Statement: CMS Number: Name: 4. References: Dept File: Local Govt: Surveyor: D1423054 5. Existing Title Reference 50406536 50406537 Lot 1178 1179 Plan SL153111 SL153111 6. Created Lots 2 1 & 2 Easls — Road A ENCUMBRANCE EASEMENT ALLOCATIONS <table border="1"><thead><tr><th>Easement</th><th>Lots to be Encumbered</th></tr></thead><tbody><tr><td>705985819</td><td>2</td></tr><tr><td>705985828</td><td>2</td></tr></tbody></table> Encroachment notice issued to the owner of Holt Street on 20/6/2005 in accordance with s19 of the Survey and Mapping Infrastructure Regulation 2004. 12. Building Formal Plans only. I certify that: * No Part of the building shown on this plan encroaches on to adjoining lots or road. * Part of the building shown on this plan encroaches onto adjoining lots and road 13. Lodgement Fees: Survey Deposit \$ Lodgement \$ New Titles \$ Photocopy \$ Postage \$ TOTAL \$ 14. Insert Plan Number SP168014 7. Portion Allocation: 8. Map Reference: 9543-33123 9. Locality: Pinkenba 10. Local Government: Brisbane City Council 11. Passed & Endorsed: By: <u>Bennett & Francis Pty. Ltd.</u> Date: <u>21/07/2005</u> Signed: <u>cks</u> Designation: <u>Geodetic Surveyor/Director</u> Lot 1168 on SP110524 Orig Lots 1 & 2		Easement	Lots to be Encumbered	705985819	2	705985828	2
Easement	Lots to be Encumbered						
705985819	2						
705985828	2						

Release

29. AUG. 2006 11:21

Golder Associates Pty Ltd

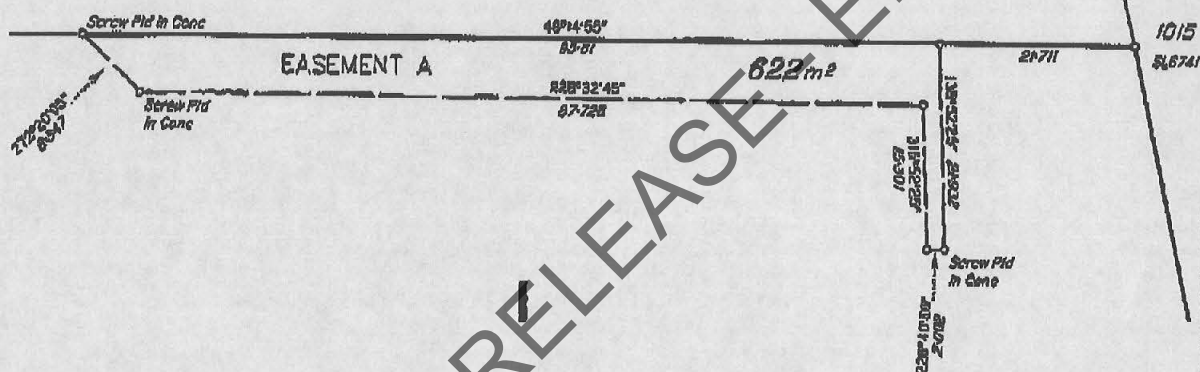
NO. 2396 P. 9

Land Title Act 1994 | Land Act 1994
Form 21A Version 1

ADDITIONAL SHEET

Sheet
2 of 2**DIAGRAM A**
SCALE 1:500

2



*Replaced at all new corners, unless
otherwise stated.*

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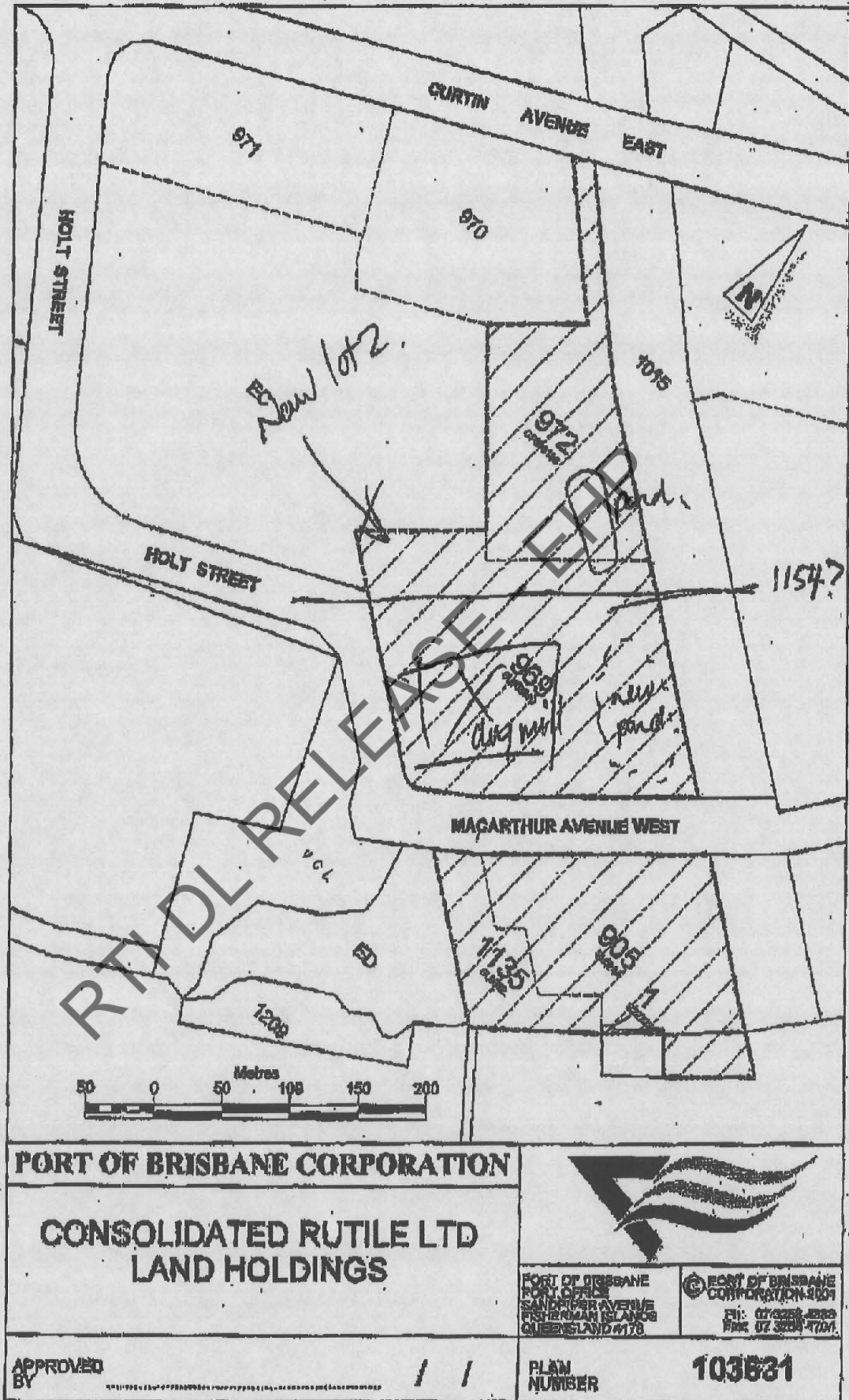
 Inset
Plan
Number
SP168014

RTI DL RELEASE - EHP

s.73

LESLIE HOWARD ACWORTH
Appointed Officer

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Cadastre Selection



Grouped Cadastre



Streets



Freeways or motorways



Highways



Secondary roads



Local connector roads



Streets



Private or restricted roads

(cont)



4wd and tracks



Bikeways or walkways or malls



Unconstructed or dedicated



Queensland



Other States

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13. JUL. 2006 14:28

Golder Associates Pty Ltd

PROJECT SUPPORT EPA

PAGE 01/02

NO. 1489 P. 1

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Golder Associates Pty Ltd
 611 Coronation Drive
 TOOWONG QLD 4066
 (PO Box 1734, MILTON BC QLD 4064)



Telephone: (61-7) 3721 5400
 Facsimile: (61-7) 3721 5401
 A.B.N: 64 006 107 857

DATE: 13 July 2006**JOB NO:** 025-0433010**TO:** Pratik Patel**FAX NO:** 07 3227 7677

EPA

TOTAL PAGES: 2**COPY:** Matthew Buchanan**cc: FAX NO:** 07 3409 6901

Consolidated Rutile Limited Pty Ltd

FROM: Anna Mensinga**EMAIL:** amensinga@golder.com.au**RE:** Notification of lots for EMR

Dear Pratik,

In reference to the letter from the EPA dated 20 June 2005 the following lots have had mineral processing activities occurring on them. Activities have occurred on Lot 969 on SL803960, Lot 905 on SL6244 and Lot 1135 on SL9562.

Lot 969 on SL803960 has been reconfigured and is now Lot 1 on SP168014 and Lot 2 on SP168014.

The following lots, Lot 1 on SP 168014, Lot 2 on SP168014, Lot 905 on SL 6244 and Lot 1135 on SL9562 require listing on the Environmental Management Register for the notifiable activity of minerals processing.

Further to the lots listed in your letter dated 20 June 2005 could you please clarify the location of Lot 1 on S22223 and Lot 1 on S21824 as we have been unable to locate these.

Please advise immediately if any pages are not received

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 OFFICES ACROSS AFRICA, ASIA, AUSTRALASIA, EUROPE, NORTH AMERICA, SOUTH AMERICA

Pratik Patel
EPA

- 2 -

13 July 2006
025-0433010

Yours faithfully,
GOLDER ASSOCIATES PTY LTD

s.73

Anna Mensinga
Environmental Scientist

Marshall Lee
Manager Environmental Services

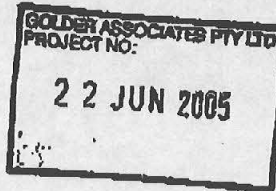
Hard copy to follow by mail: ☐ Yes ☒ No
J:\Brisbane\04\Environment\04\04633010 Pinkenba\00_CORRESPONDENCE\OUT\025-04633010F-Notification of lots for EMR.doc

RTI DL RELEASE - EHP

Golder Associates

Att. Pratik Patel

Release

Queensland
Government

Enquiries Michelle Smallwood
Telephone (07) 3225 8416
Your reference 011-04633010
Our reference BNE20825

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

20 June 2005

Mr Ken Gilbert
Golder Associates Pty Ltd
PO Box 1734
MILTON BC QLD 4064



Dear Ken

Stage 1 Preliminary Site Investigation Report, 200 Holt Street Pinkenba

The Environmental Protection Agency (EPA) has reviewed the report titled *Stage 1 Preliminary Site Investigation, 200 Holt Street, Pinkenba, Queensland* dated October 2004 and I can provide the following advice.

A recommendation to alter the status of Lots 178 and 179 on SP153111 on the Environmental Management Register (EMR) can not be made until radiation health issues are resolved or clarified. You are requested to liaise directly with Queensland Health's Radiation Health Unit (contact Ms Uma Rajappa, telephone 07-3406 8011) in relation to radiation health issues and advise EPA when issues are resolved or clarified. Radiation Health have advised the EPA that a radiation assessment must be conducted by a suitably qualified person who is a member of a prescribed organization defined under Schedule 8A of the *Environmental Protection Regulation 1998*.

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Release

It is a requirement of the *Environmental Protection Act 1994* that the occupier/owner notify the EPA within 30 days after becoming aware of a Notifiable Activity on their premises. For your assistance a notification form is enclosed for submission to the EPA by no later than **1 August 2005**.

Should you require any further assistance in relation to this matter, please contact me on 3225 8416.

Yours sincerely

s.73

Michelle Smallwood
Principal Environmental Officer
Contaminated Land Unit

Encl. Section 371. Notification of land form

C/c Mr Paul Smith
Consolidated Rutile Limited
PO Box 47
Dunwich QLD 4183

Southern Region EPA, Attention: Mrs Sinead Summerville

Pratik Patel

From: Mensinga, Anna [amensinga@golder.com.au]
Sent: Monday, 24 July 2006 11:41 AM
To: pratik.patel@epa.qld.gov.au
Cc: Allan, Melanie;
Subject: 200 Holt st, Pinkenba

Pratik,

Further to our fax dated 13 July 2006 regarding the notification of lots for the EMR Matthew Buchanan from CRL has requested that I forward on to you the report of the Radiological Investigation done on the site.

Please find attached a copy of the Radiological Investigation conducted at 200 Holt Street, Pinkenba.

Regards,

Anna Mensinga
Environmental Scientist

Golder Associates
Brisbane Office
611 Coronation Drive, Toowong QLD 4066
(PO Box 1734, Milton BC 4064)
Phone: 07 3721 5400
Fax: 07 3721 5401

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RTI DL RELEASE - EHP

**Consolidated Rutile Limited****FILE NOTE**

TO : File ECR11
FROM : Matthew Buchanan
DATE : 4 July 2006
SUBJECT : PINKENBA NOTIFICATION OF LOTS ON EMR

Land occupied by CRL for operation of the Pinkenba dry mill and associated facilities has never been listed on the Environmental Management Register (EMR) for potential land contamination, despite requests from the EPA in 2003 and 2005. One of the lots (Lot 2 on SP168014) is soon to be sold and the land contamination issues need to be resolved administratively, or at least in train before settlement occurs.

Two things need to occur:

1. Listing of all affected properties currently owned by CRL on the EMR for minerals processing; and
2. Development of a site management plan for future management of activities so as to be consistent with potential contamination issues.

Three site investigations are relevant to the properties in question, namely:

- Stage 1 Preliminary Site Investigation 200 Holt Street Pinkenba, Golder and Associates 2005 (CD on file);
- Environmental Assessment of Underground Fuel Tank Excavations, 200 Holt Street, Pinkenba, Egis Consulting, 2000
- Radiological Investigation No 05PQ566/567.

EPA wrote in June 2005 requiring that certain lots be listed, as in the table below:

Original lot in EPA letter	Reconfigured as	Activities occurred there	Requires listing?
969 on SL803960	Lot 1 on SP168014 and part of Lot 2 on SP168014	Also includes former lot 972 on CP893158. Ilmenite plant for minerals processing, storm and process water control pond, drying areas	Yes
905 on SL6244	N/a	Rutile and Zircon dry mill for minerals processing, drying yards, wet mill, slimes storage.	Yes
1135 on SL9562	N/a		Yes
1 on S22223	N/a	None – lot wholly contained within Brisbane River	No
1 on S21824	Unknown lot	Unknown lot	

On this basis, the following lots are required to be listed for minerals processing, in addition to any current listings:

- Lot 1 on SP168014;
- Lot 2 on SP168014;
- Lot 905 on SL6244;
- Lot 1135 on SL9562.

The only minerals processing activities to occur on Lot 1 on SP168014 was the operation of a storm and process water control dam, which collected sediments from within the dry mill. This dam has since been decommissioned and filled in (refer Qld Health Reports).

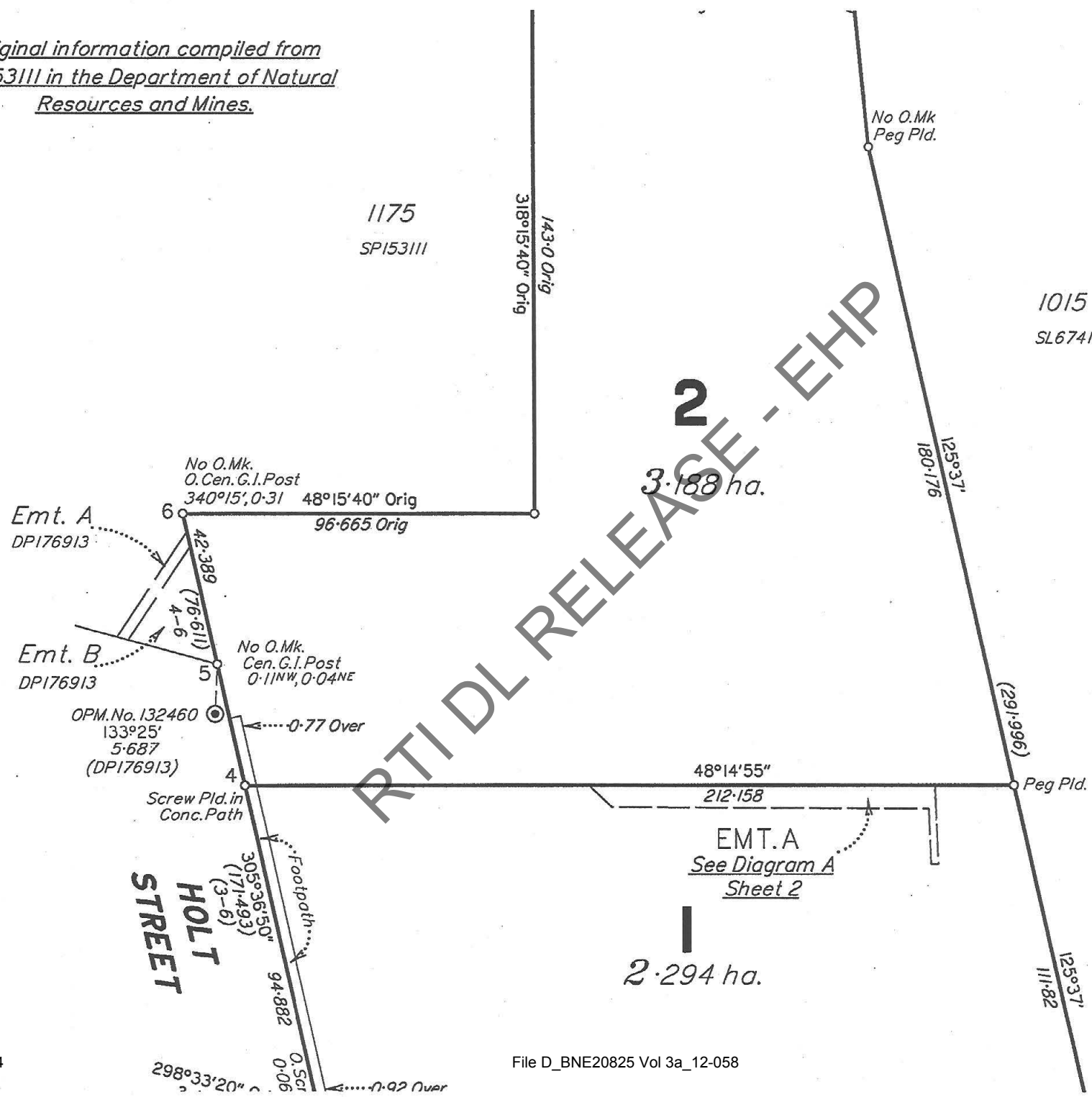
Attachments:

Latest Blinmap showing cadastral boundaries;

Old boundaries from Port of Brisbane.

Matt Buchanan

Original information compiled from
SP153111 in the Department of Natural
Resources and Mines.



mes in full)

*as Registered Owners of this land agree to this plan and dedicate the Public Use Land as shown hereon in accordance with Section 50 of the Land Title Act 1994.

~~*as Lessees of this land agree to this plan.~~

s.73

Signature of *Registered Owners *~~Lessees~~

ENCUMBRANCE EASEMENT ALLOCATIONS

Easement	Lots to be Encumbered
706965819	2
706965828	2

RTI DL RELEASE / EHP

* Rule out whichever is inapplicable

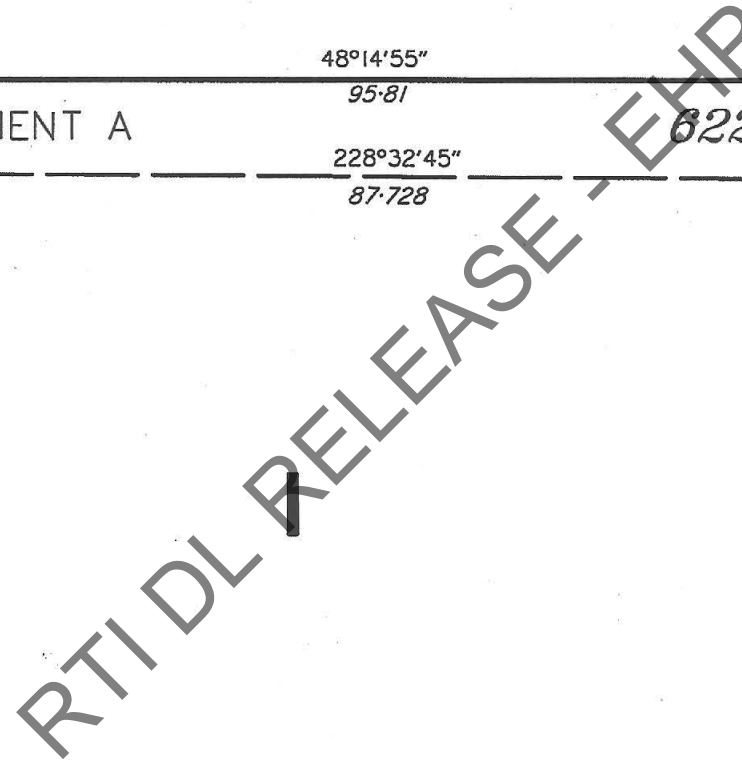
2. Local Government Approval

* **BRISBANE CITY COUNCIL**

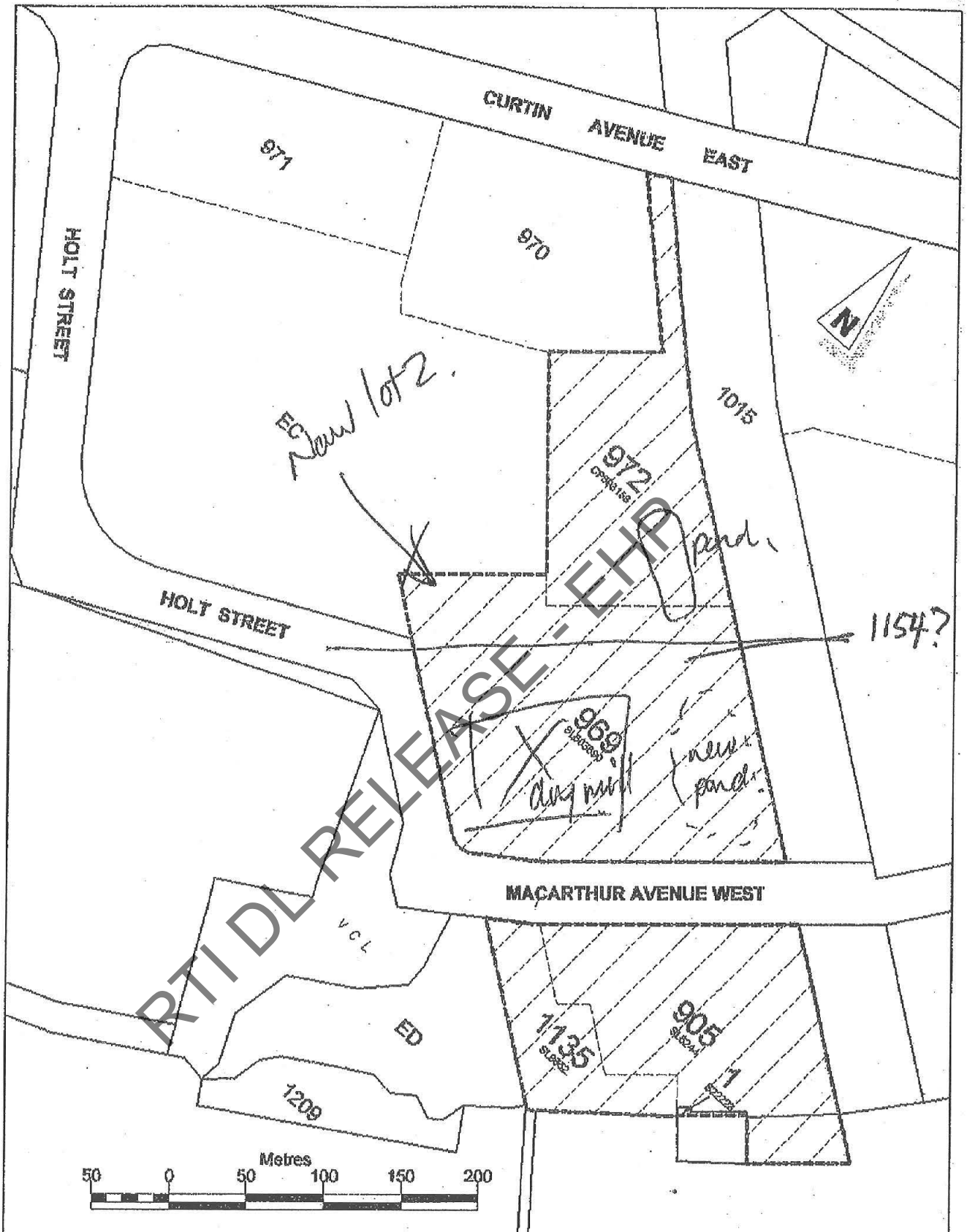
hereby approves this plan in accordance with the :

% **INTEGRATED PLANNING ACT 1997**

Encroachment notice issued to the owner of Holt Street on 20/6/2005 in accordance with s19 of the Survey and Mapping Infrastructure Regulation 2004.



File D_BNE20825 Vol 3a_12-058



PORT OF BRISBANE CORPORATION

**CONSOLIDATED RUTILE LTD
LAND HOLDINGS**



PORT OF BRISBANE
PORT OFFICE
SANDPIPER AVENUE
FISHERMAN ISLANDS
QUEENSLAND 4178

© PORT OF BRISBANE
CORPORATION 2001
Ph: 07 3258 4888
Fax: 07 3258 4794

APPROVED
BY

/ /

PLAN
NUMBER

103631

Pratik

BNE20825

288 Edward Street • Brisbane, Queensland • PO Box 2771 Brisbane QLD 4001 • AUSTRALIA
Telephone (07) 3227 7370 • Facsimile (07) 32473278 • www.epa.qld.gov.au

Enquiries Annemarie Lewis
Telephone
Your reference
Our reference 40136

31 October 2005

Perpetual Trustee Company
C/- Abacus Property Services
GPO Box 2649
Brisbane Qld 4001

Dear Sir/Madam,

Re: 1177/SP153111 – 679 Curtin Avenue Pinkenba

I wish to advise that the above lot was deleted from the Environmental Management Register (EMR) on the 31st October 2005. Any future searches of the Environmental Management Register for this lot will yield a negative result.

Please retain this letter for your records as confirmation of this lot having been deleted from the Environmental Management Register.

If you have any queries regarding this matter, please contact me on (07) 3225 1054

Yours sincerely,

s.73

Annemarie Lewis
Registry Officer
Contaminated Land Unit



Enquiries Michelle Smallwood
Telephone (07) 3225 8416
Your reference 011-04633010
Our reference BNE20825

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

26 July 2005

Mr Ken Gilbert
Golder Associates Pty Ltd
PO Box 1734
MILTON BC QLD 4064

Dear Ken,

Stage 1 Preliminary Site Investigation Report, 200 Holt Street Pinkenba

Further to the Environmental Protection Agency (EPA) letter dated 20 June 2005 and pursuant to section 398 of the *Environmental Protection Act 1994*, the following information is required to assist with assessment of health and environmental issues associated with the report titled *Stage 1 Preliminary Site Investigation, 200 Holt Street, Pinkenba, Queensland* dated October 2004 (site investigation report).

Lot 1178 and Lot 1179 on SP153111 (base parcels to Lot 905 on SL6244 and Lot 1154 on SL10385) are listed on the Environmental Management Register (EMR) and will remain listed without change of status until sufficient information is supplied to satisfactorily address the following points:

1. Provision of an original signed and bound copy of the site investigation report;
2. Provision of an original statutory declaration by the site investigation report preparer, original statutory declaration by the applicant and original statutory declaration by suitably qualified person for the report titled "*BP Validation Report of Former AST*". Please note that only actual signatures will be accepted, scanned signatures are not acceptable. It is also noted that this validation report does not conform to the draft *Guidelines for the Assessment and Management of Contaminated Land in Queensland May 1998*, the *National Environment Protection (Assessment of Site Contamination) Measure December 1999* and AS4482.1 as there are no sampling procedures, no maps of sampling locations, location of stockpiles or location of stockpile which has been levelled;
3. Provision of a site investigation report that does not exclude the EPA. It is noted that section 9.0 of the site investigation report excludes the EPA and states that the report is solely for the use of Consolidated Rutile Pty Ltd;
4. Provision of current certificates of title for the site subject to the investigation. A search of QVAS has revealed that Lots 1178 and 1179 on SP153111 have been superseded.

Please note, there is incorrect reference to Lots 178 and 179 on SP153111 in the recommendations in section 8.0 of the report and cover letter;

5. Provision of scaled figures for Figures 5.1, 5.2 and 5.3;
6. The status of the petroleum product storage on lots 1178 and 1179 on SP153111 (base parcels to Lot 905 on SL6244 and Lot 1154 on SL10385), including any certificates of tank destruction. The Flammable and Combustible Liquid licence held with Brisbane City Council for Lot 1178 (cancelled in 2001) states that the licence applied to 1x55,000L and 2x18,500L underground petroleum product storage and 1x45,400L above ground petroleum product storage but they were removed in 1989. No reference has been made to petroleum product storage on Lot 1179 on SP153111. In a telephone conversation with yourself dated 29 April 2005 you clarified that there is still petroleum product storage on Lot 1179.
7. Comment on the integrity of sample results for volatile organic carbons as sample receipt advice for work order EB0401530 from ALS Environmental dated 23 April 2004 states that analysis may be compromised as sample containers contained headspace.

Should you require any further assistance in relation to this matter, please contact me on 3225 8416.

Yours sincerely

s.73

Michelle Smallwood
Principal Environmental Officer
Contaminated Land Unit

C/c Mr Paul Smith
Consolidated Rutile Limited
PO Box 47
Dunwich QLD 4183

Southern Region EPA, Attention: Sinead Summerville

Memorandum

To FilenoteFile Reference BNE 20825From MARK PATONSubject Peer ReviewDate 25.7.2005

Notes

- * Filenote dated 29/4/05 reviewed. - to be signed *
- * Letter 20/6/05 Lots should be 1178 & 1179. *
- (Notification of lots by 1/8/05)
- * Letter 20/6/05 Advice of new lots lots 1 & 2 on SP168014 & (check rem for update)
- Easement A replacing lots 1178 & 1179 on SP15311
- * Application form sent to Coides on 19/11/2004
- Has form been returned *
- ✓ * Coides letter of 1/10/04 details incurred lots 178 & 179. -
- ✓ * Original report of (bound copy)
- "Stage I Preliminary Site Investigation, 200 Holt Street, Pinkenba, Queensland dated October 2004 required. L.
- ✓ * Stat decs for Stage I report.
- ✓ * Figures 5.3 & 5.1, 5.2 need to be scaled ✓
- * ~~Water depth in MW1 is below~~
- * Sample containers 23/4/04 do not comply. / headspace }
- Sample MW30150404 insufficient volume for TPI
- Holding times for soil samples obtained on 5/4/04 - analysed after 16/4/04
- ✓ Attachment 3 Validation Report prepares Stat Dec - not present
- ✓ * Stat dec by Paul Scotts dated 1/11/2004 (Photocopy only - original required)
- ✓ * Recommendation in report Preliminary report refers to wrong lots.
- ✓ * Limitations exclude EPA
- * Issues discussed with assessing officer.
- * Letter to be sent to Coides Assoc. regarding outstanding matters

Stage 1 Preliminary Site Contamination Investigation

Release

SITE ADDRESS: 200 Holt Street, Pinkenba		FILE NO: BNE 20825
REAL PROPERTY DESCRIPTION: Lot 1178 & 1179 on SP153111 (base parcels to Lot 905 on SL6244 and Lot 1154 on SL10385)		AREA: 2, 234 m ²
NOTIFIABLE ACTIVITY: 29. Petroleum Product or Oil Storage.		
OWNER: G&M Myers		
CONSULTANT: Golder Associates Pty Ltd – Ken Gilbert		
ASSESSMENT DATE: 29/04/05	INFO REQUEST DUE DATE: N/A	
PEER REVIEWER:		

1. Report Goal

Conduct a Stage 1 Preliminary Site Contamination investigation.

2. Assessment Considerations

a) Site History

- Base land parcels listed on EMR for notifiable activity
- Site undeveloped in 1946 and site was formerly a point bar in Brisbane River. In 1974 the site had been reclaimed and area to the south developed as subdivision with CRL site on the south of the site. CRL has occupied the site since 1966 for carrying out rutile concentration processing. In 1991 three buildings present at the location of existing administration buildings on south of the site.
- No Flammable & Combustible liquid licence currently held for Lot 1178 with BCC, cancelled in 2001. In the past site had licence for 1 x 55,000L, 1 x 18,500L UST, 1 x 45,400L AGST and 1 x 18,500LUST. These tanks were removed in June 1989. No mention of Lot 1179. telephone conversation with Ken Gilbert on 29/04/05 clarified that there is still fuel storage on Lot 1179 and this lot should remain listed on the EMR.
- Petroleum product storage on Lot 1178 was from an above ground tank that was decommissioned in June 2003. Approximately 30m³ of soil was land farmed to reduce concentrations of PAHs.
- History review included historic title searches, review of aerial photos, anecdotal evidence from relevant site personnel and review of BCC's F&CL file.
- Site zoned General Industry and owner does not intend to change use of the site.
- Surrounding land uses consist of small manufacturing facilities (north), open drain and vacant ground (east), CRL's main processing facility and Brisbane River (south), NQX Freight Systems (west).
- A concurrence agency response issued on 12 March 2004 for reconfiguration of lot states that both lots will contain tanks and therefore both are listed on the EMR. Concurrence agency response includes the location of the tanks and requires a copy of the subdivision survey plan to be submitted to the EPA when endorsed. Hence, suggests that there is a tank still remaining on Lot 1179. Sufficient gap in site history.

b) Site Inspection

- Inspection of 4 April 2004 revealed site not used for industrial purpose. Items of interest on site include quartz sand stored (centre), process water pond (south-east) and maintenance facilities (south-west).
- Northern section of the site used for storage of quartz sand and refuelling activities. Quartz sand stored on Lot 1178 on SP153111 prior to use on-site or sale.
- No signs of fuel storage facilities were observed but no mention of whether magnetic survey conducted.



Release

RTI DL RELEASE - EHP

Peer Reviewer:

Signed:

Date:

Michelle Smallwood

From: Uma Rajappa
Sent: Friday, 29 April 2005 4:53 PM
To: michelle.smallwood@epa.qld.gov.au
Subject: Re: CRL site at Pinkenba

Dear Michelle

I have reviewed the information provided to Radiation Health in relation to Lots 178 & 179 on SP153111. Assessment of the history of this site does not indicate that radioactive contamination is a problem. We note that Golder Associates have provided information on radiation levels at several locations in the sites. A reference material is mentioned for comparison of the measured radiation levels. There is no statement in report in relation to the reference material. This would be important to help relate the results provided in counts per second per kg to Bq/kg (measurement of radioactivity in soil).

I am also concerned that the information in relation to radioactive contamination has not been provided by member of an organisation prescribed under Schedule 8A of the *Environmental Protection Regulation 1998*. I have enclosed a list of people who are able to undertake this type of assessment.

Regards

Uma

Uma Rajappa
Assistant Director
Radiation Health, Environmental Health Unit
Tel: 07 3406 8011
Mob: s.73

>>> "Michelle Smallwood" <michelle.smallwood@epa.qld.gov.au> 04/19/05 08:29am >>>
Hi Uma,

CRL have applied to EPA back in November 2004 for consideration of the site investigation report titled "Stage 1 Preliminary Site Investigation, 200 Holt Street, Pinkenba" and I have sent you a copy for advice regarding the radiation assessment. We are slowing working through our queue of investigation reports, hence why it has taken so long for us to refer this to you.

Should you have any queries, please don't hesitate contacting me.

Thank you.

Kind regards,
Michelle.

Michelle Smallwood
Principal Environmental Officer
Contaminated Land Unit
Level 16, 288 Edward Street, Brisbane
GPO Box 2771, Brisbane. QLD 4001
Telephone: (+61 7) 3225 8416
Facsimile: (+61 7) 3247 3278
Website: www.epa.qld.gov.au

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Release

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RTI DL RELEASE - EHP



CURTIN AVE

Former
AFST

20m

Total Cr (Co, Ni, Pb, Zn) (2.8mg/L)
Total Cr (Co, Ni, Pb, Zn) (0.5-1.0mg/L)

MW3

SS6

2.1 x

0-0.05m

0.4-1.0m

BH3

SS5

8-0.05m

BH2

0-2.5m

SS4

0-0.05m

SS3

0-0.05m

SS1

0-0.05m

SS2

0-0.05m

BH4

0.4-0.5m

BH5

0-0.05m

BH6

0.4-1.0m

MW1

0-1.5m

C10-C18

Mg (0-0.5m)

(0.5mg/L) Co, Zn (0.5mg/L)

Carpark

Administration Building

Proposed Subdivision Boundary

Lot 1178 8P153111

Lot 1179

Stormwater Pond

HOLT ST

LEGEND



BOREHOLE



MONITORING WELL



SURFACE SAMPLE

Soil

< EIL

< HIL(A) but > EIL

Groundwater

> ANZECC (2000) 95% protection level for metals.

> ANZECC (2000) low reliability trigger value.

*Analysing QUD Health
- 18/14/05*

ecomaps

Queens

20/04/2005

ecomaps Screen Plot



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ecomaps

Queens

20/04/2005

ecomaps Screen Plot

ecomaps Layers			
Cadastral Selection	Grouped Cadastral	Local connector roads	Rivers
Ozone Permits	Railway Lines	Streets	Queensland
Historical ERA Permits pre October 2004	Streets	Private or restricted roads	
Registration Permits	Freeways or motorways	4wd and tracks	
ERA Development Approval Permits	Highways	Bikeways or walkways or malls	
	Secondary roads (cont)	Unconstructed or dedicated	

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Connell Wagner

BNE 2005/9715

20 June 2005

Connell Wagner Pty Ltd
ABN 54 005 139 873
433 Boundary Street
(Locked Bag 1800)
Spring Hill
QLD 4004 Australia

Telephone: +61 7 3246 1000
Facsimile: +61 7 3246 1001
Email: cwbne@conwag.com
www.conwag.com

Environmental Protection Agency
PO BOX 15155
BRISBANE EAST QLD 4002

Attn: Mr Greg O'Brien

Dear Sir,

Subdivision 200 Holt Street, Pinkenba
Title creation changing existing lots

We hereby advise of a new title creation changing the existing lots 1178 and 1179 on SP 153111, Parish Toombul, County Stanley. Please find attached the relevant Title Plan draft. Signing and Sealing of the Title is expected by the 30 June 2005. Please arrange to amend your EMR and CLR registers accordingly.

If you have any further questions or require any additional information, please do not hesitate to contact Ingmar Hann on 07 3246 4356 or via email hanni@conwag.com.

Thanking you for your time.

Yours faithfully,

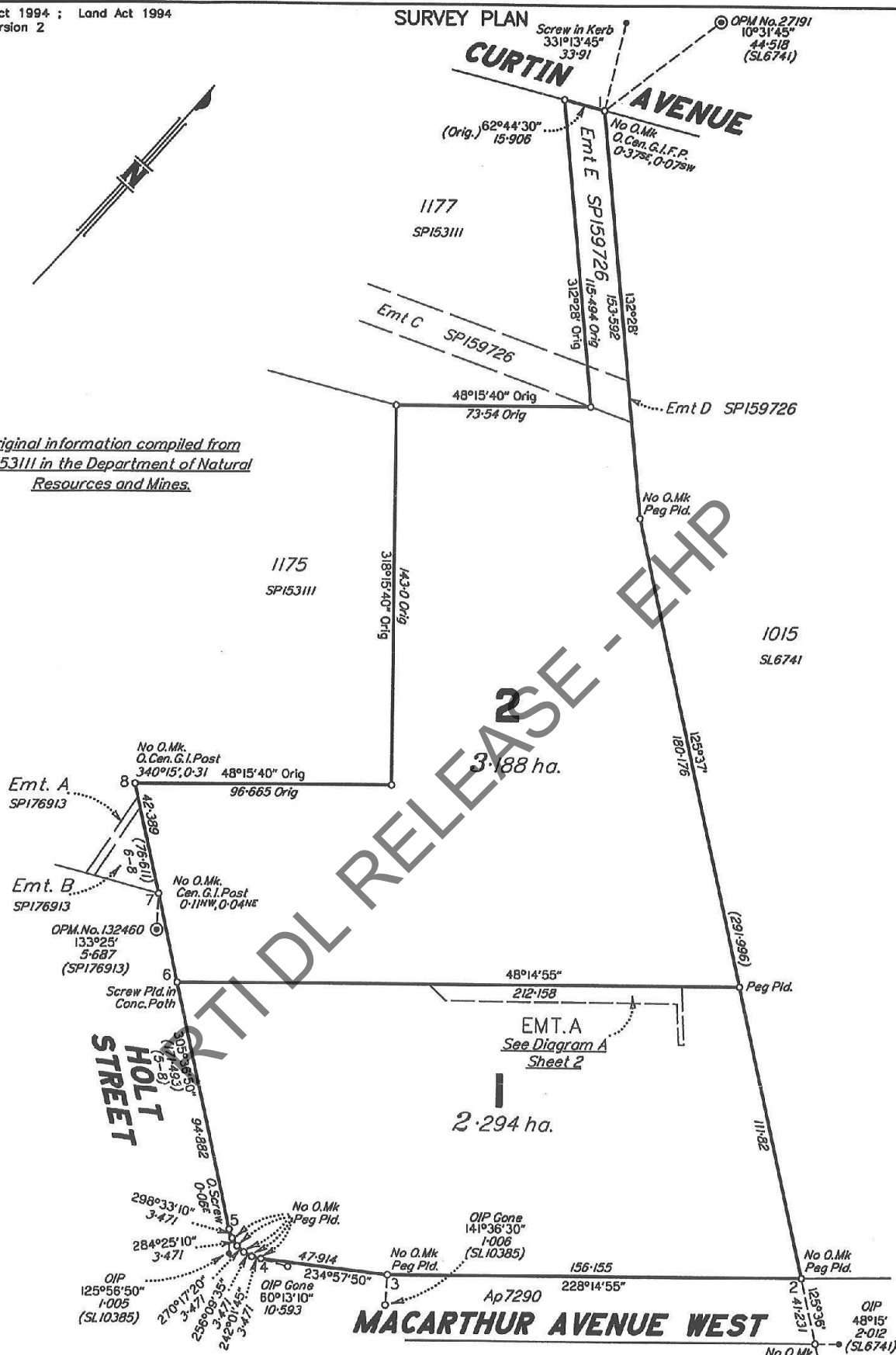
s.73

Mark Reardon
Associate

Enc: Copy of Title Plan draft



*Original information compiled from
SP153111 in the Department of Natural
Resources and Mines.*



BENNETT & FRANCIS PTY LTD (ACN 053 307 172) hereby certify that the company has surveyed the land comprised in this plan and that the plan is accurate, that the said survey was performed in accordance with the "Survey and Mapping Infrastructure Act 2003" and "Surveyors Act 2003" and associated Regulations and Standards and that the said survey was conducted on



s.73

Director of Health Services

Director/Licensed Surveyor

Date 11-1-05

0 75m 150m
Plan of Lots 1,2 & Easement A in Lot 1

Cancelling Lots 1178 & 1179 on SP153111

PARISH: **TOOMBUL**

COUNTY: *Stanley*

Meridian: *SP119924*

FN's	Alc
------	-----

Scale: 1:1500

Scale: **1:1500**

Format: **STANDARD**

SP168014

Plan Status:



Queensland
Government

Enquiries Michelle Smallwood
Telephone (07) 3225 8416
Your reference 011-04633010
Our reference BNE20825

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

20 June 2005

Mr Ken Gilbert
Golder Associates Pty Ltd
PO Box 1734
MILTON BC QLD 4064

Dear Ken

Stage 1 Preliminary Site Investigation Report, 200 Holt Street Pinkenba

The Environmental Protection Agency (EPA) has reviewed the report titled *Stage 1 Preliminary Site Investigation, 200 Holt Street, Pinkenba, Queensland* dated October 2004 and I can provide the following advice.

A recommendation to alter the status of Lots 178 and 179 on SP153111 on the Environmental Management Register (EMR) can not be made until radiation health issues are resolved or clarified. You are requested to liaise directly with Queensland Health's Radiation Health Unit (contact Ms Uma Rajappa, telephone 07-3406 8011) in relation to radiation health issues and advise EPA when issues are resolved or clarified. Radiation Health have advised the EPA that a radiation assessment must be conducted by a suitably qualified person who is a member of a prescribed organization defined under Schedule 8A of the *Environmental Protection Regulation 1998*.

Stradbroke Rutile Pty Ltd is the registration holder for SR2135 (formerly referred to as 'integrated environmental authority' holder) for carrying out the environmentally relevant activity of mineral processing at Lot 905 on Plan SL6244, Lot 969 on Plan SL803690, Lot 1135 on Plan SL9562, Lot 1 on Plan S22223 and Lot 1 on S21824 Parish of Toombul, County of Stanley. A search of the EMR has revealed that the above-mentioned real property descriptions are not listed on the EMR for the Notifiable Activity of *Mineral Processing – chemically or physically extracting or processing metalliferous ores*. A review of the EPA file has noted that Stradbroke Rutile Pty Ltd have not responded to the EPA letter of 29 January 2003 requiring notification of land on the EMR. Please clarify with Consolidated Rutile Limited whether all of the above-mentioned premises require listing on the EMR for the notifiable activity of mineral processing.

It is a requirement of the *Environmental Protection Act 1994* that the occupier/owner notify the EPA within 30 days after becoming aware of a Notifiable Activity on their premises. For your assistance a notification form is enclosed for submission to the EPA by no later than **1 August 2005**.

Should you require any further assistance in relation to this matter, please contact me on 3225 8416.

Yours sincerely

s.73

Michelle Smallwood
Principal Environmental Officer
Contaminated Land Unit

Encl. Section 371. Notification of land form

C/c Mr Paul Smith
Consolidated Rutile Limited
PO Box 47
Dunwich QLD 4183

Southern Region EPA, Attention: Mrs Sinead Summerville

Darryl Byers

From: Darryl Byers [darryl.byers@epa.qld.gov.au]
Sent: Tuesday, 12 April 2005 2:46 PM
To: Sinead Summerville
Subject: 681 Curtin Avenue East, Pinkenba described as Lots 1178 - 1179 on SP153111

Sinead

Advice for inclusion:

"No potentially contaminated soil may be removed from the site without adequate sampling and appraisal by a suitably qualified professional complying with Section 381 of the Environmental Protection Act 1994 (EP Act). Contaminated soil must not be removed from the site without a S424 permit issued by the Environmental Protection Agency under the EP Act."

Darryl Byers

RTI DL RELEASE - EHP