

☐ Regional Information and Filing☒ Regional - Action Required☐ PALM to File

AR #:AR066310
Assessment

Admin. Office: Government Organisations and Utilities

Project #: 337551

Posted to:Level 8 400 George

EA Application #:

Permit # EPPR00816213

Existing DA #.SPCE01417310

PaLM Coordinator:Chris

PaLM Processor:Mike Mullins

Client Ref:212438

3020 - Validation Checklist – Conversion of existing conditions of development approval to an EA

Application Details			
ERA No/s: Add: Bonnick Road, Gympie Lot 542 MCH801883 ERA 60 2e & 62			
Applicant Name:Gympie Regional Council			
Existing approval type:SPCE01417310 PR: 221737	☒ Development Permit	☐ Urban Development (UDA) Area Approval	☐ Priority Development Area (PDA) Approval
Application Dates			
Application Received:25/11/2014		Application requirements requested date:..28/11/2014 Response Due Date:11/12/2014	
Application Complete/Valid Date:01/12/2014		Development Approval date	
EA Take Effect Date	Tick which applies:		Required action for annual fee reallocation
	☐ Applicant has nominated take effect date:		☐ Fund re-allocation spreadsheet updated with client details and take effect date
	☐ Applicant has nominated a take effect event and must give notification when the event has occurred Details of event:		☐ Fund re-allocation spreadsheet updated with client details and take effect event ☐ High priority note has been put on application in Ecotrack to update fund reallocation spreadsheet where notice of event is received from the applicant
	☒ EA will take affect upon approval, no future effective date or event has been nominated		☐ email sent to Debt Management for reallocation of funds to first invoice for annual fee
Application Checks Cross for Yes			
Fill for all application types	Admin: ☒ Form completed, signed and dated		
	Registered Suitable Operator: ☒ All applicants are registered RSOs Where address details are different: ☐ Client record is linked to RSO ☐ Application for RSO Registration has been lodged previously ☐ Application for RSO Registration lodged with this conversion application ☐ approved ☐ to be forwarded for regional assessment ▪ Decision Due Date:		
	Existing RSO Ref #: 212438		
	SO Appn #		
	New RSO Ref #.		

☐ Regional Information and Filing

☒ Regional - Action Required

☐ PALM to File

AR #: AR065805

Admin. Office: Government Organisation

Assessment

Project #: 337551

Posted to:

EA Application #:

Permit # EPPR00816213

Development Permit Ref # (if applicable)

PaLM Coordinator: Shari Sievers

PaLM Processor:

3016 - Validation Checklist - EA Amendment Application for a prescribed ERA

Application Details		Cross for Yes
Amendment Processing:	☐ Existing EA has standard conditions only AND ☐ Is a minor amendment indicated by Question 2 response AND ☐ applicant can comply with standard conditions (Question 4) (all 3 boxes to be ticked for PaLM to issue amended EA)	☒ Other (ES to assess) Amendment type for initial data entry: Minor / Major Minor
Amendment Reason: - Please add ERA 60 2e to ecotrack - changes to conditions		
Existing ERA No/s:60 (2a) 62 60(2c) 60(2a) -- checking with Ricki Muller if ERA60 2e should be on EA - as customer believes they are approved already for this activity.		
Proposed ERA No/s (if applicable): temporary	☐ ERA is <u>not</u> mobile and	
Version of Code (for ERA 57 or 16): ☐	☐ ERA is mobile and temporary	
ERA No/s to be removed (if applicable):		
Applicant Name:Gympie Regional Council		
Application Dates		Cross for Yes
Application Received:12/11/14	Application requirements requested date:.	
Response Due Date:	☐ Application Invalid (tick which applies below) ☐ Application requirements not met within timeframe ☐ Application is unable to be made Invalid date	
Application Complete Date:19/11/14	ALD Due Date:03/12/14 (10 b days from application complete date)	
Fill for minor amendment applications only where PaLM are processing end to end	ALD (as minor) Issue Date: Decision Due Date: 10 b days after ALD issue date) Decision Date:	
Application Checks		Cross for Yes
EA Take Effect Date:	EA Take Effect Date: ☐ Applicant has nominated take effect date if decision date is after the nominated date the decision date will be the take effect date) ☐ Applicant has nominated a take effect event and must give notification when the event has occurred Details of event: ☒ EA will take effect upon approval	

For all amendment applications	☒ Form completed, signed and dated Amount Paid \$4330.35 ☒ All attachments present Receipt No:4213200 ☒ Correct fee paid ☒ Receipt sent to client Date Paid:13/11/14 - Customer has over paid for a minor amendment. Once ALD is determined to be Minor - Assessment team will need to advice PaLM to have over patment refunded.
For all amendment applications	<p>“Environmental Impact assessment ” on application form - Administrative check to determine applicant has submitted:</p> <p>☐ a description of the environmental values likely to be affected by each relevant activity; and</p> <p>☐ details of any emissions or releases likely to be generated by each relevant activity; and</p> <p>☐ a description of the risk and likely magnitude of impacts on the environmental values; and</p> <p>☐ details of the management practices proposed to be implemented to prevent or minimise adverse impacts; and</p> <p>☐ details of how the land the subject of the application will be rehabilitated after each relevant activity ceases</p> <p>“Waste management” on application form Administrative check to determine:</p> <p>☐ Applicant has indicated not applicable on application form</p> <p>☐ Applicant has given description of the proposed measures for minimising and managing waste generated by the ERA activities</p> <p>“Site Management Plan or Environmental Protection Order” Administrative check to determine:</p> <p>☐ Applicant has indicated there is no site management plan or environmental protection order on the application form</p> <p>☐ Applicant has given details of the site management plan</p> <p>☐ Applicant has given details of the environmental protection order</p>
Validity Check	Cross for Yes
For all amendment applications	<p>☐ Proposed amendment does not require a development application</p> <p>☐ A development application has already been made</p> <p>☐ Ticked No in sections 1 and 2 in the front checklist on the application form</p> <p>if ☒ to the above the application is invalid:</p> <p>Notice of Invalid Application Issue Date</p>

Our Ref: MP:KW000256

Your Ref:



10th November 2014

Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
Brisbane Queensland 4001

Dear Sir/Madam,



I attached the application to amend the Environmental Authority no. EPPR00816213 for Bonnick Road Landfill in Gympie. I also attached the Noise Modelling Report and the cheque for the Environmental Authority Amendment Application Fee.

Yours faithfully

CTPI 49-Sch4-Signature

Miljenko Pavlinic
Waste Services Manager

Application form

Environmental authority

RECEIVED

12 NOV 2014

POLM

Application to amend an environmental authority

This approved form is to be used when applying to amend an environmental authority under sections 222 to 227 of the Environmental Protection Act 1994 (EP Act) for an environmentally relevant activity (ERA).

An application to amend an environmental authority is not appropriate in all circumstances. If you answer yes to any of the questions in the checklist below, you cannot use this application form. If you answer no to all of the questions in the checklist, you may continue to use this application form.

This form also contains a question relating the *Regional Planning Interests Act 2014*. If you are proposing to undertake resource activities in an area of regional interests, a regional interest development approval (RIDA) may be needed. Further information, including applications forms, can be found on the Department of State Development, Infrastructure and Planning (DSDIP) website, www.dsip.qld.gov.au.

You are encouraged to have a pre-lodgement meeting before applying to amend your environmental authority. If you would like to have a pre-lodgement meeting:

- For prescribed ERAs 2, 3 and 4—contact the Department of Agriculture, Fisheries and Forestry by email at livestockregulator@daff.qld.gov.au.
- For any other ERA—please fill out and lodge the form Application for a Pre-Design/Pre-Lodgement Meeting (EM1125¹), prior to lodging this application form.

Checklist for making an amendment application

You must complete this checklist before you continue with the application form.

If your application is for:

- ☒ a prescribed ERA → fill in Section 1 and Section 2 of the checklist below
- ☐ a resource activity → fill in Section 1 and Section 3 of the checklist below
- ☐ both a prescribed ERA and a resource activity → fill in sections 1, 2 and 3 of the checklist below

If you have answered yes to any of the below questions, you cannot use this application form. If you have answered no to all of the below questions, you may continue to use this application form.

¹ This is the publication number. The publication number can be used as a search term to find the latest version of a publication at www.qld.gov.au.

Application form
Application to amend an environmental authority

Checklist questions		Guidance
Section 1 – all applications		
Is the amendment to correct a clerical or formal error?	☐ YES ☒ NO	If yes, you cannot use this form. This request should be made in writing directly to the administering authority (no fees apply).
Is the amendment to amalgamate two or more environmental authorities?	☐ YES ☒ NO	If yes, you cannot use this form. Please use either the form Application to Amalgamate two or more Environmental Authorities into an Amalgamated Corporate Authority (EM789), or Application to Amalgamate two or More Environmental Authorities Into an Amalgamated Project or Local Government Authority (EM879).
Is the amendment to amend financial assurance only?	☐ YES ☒ NO	If yes, you cannot use this form. Please use the form Application to Amend or Discharge Financial Assurance (EM875).
Section 2 – prescribed ERAs		
Is the amendment for the holder of the environmental authority to transfer all or part of the environmental authority to a person?	☐ YES ☒ NO	If yes, you cannot use this form. Please use the form Request to Transfer All or Part of an Environmental Authority for a Prescribed Environmentally Relevant Activity (EM794).
Does the proposed amendment involve changes that require either an existing development application to be amended or a new development application to be lodged under the <i>Sustainable Planning Act 2009</i> and the application for the amendment has not been lodged.	☐ YES ☒ NO	The development application must be lodged for the proposed amendment before an environmental authority amendment application can be made.
Is the proposed amendment solely to add or remove vehicles for ERA 57 (Regulated Waste Transport)?	☐ YES ☒ NO	If yes, you do not need to submit this application form. Use the form Details of Regulated Waste Vehicles (EM869) available at www.qld.gov.au . Use EM869 as a search term.
Section 3 – resource activities (mining, petroleum, geothermal or GHG storage activities)		
Is the amendment for a partial surrender of an environmental authority for a mining, geothermal or petroleum resource activity?	☐ YES ☒ NO	If yes, you cannot use this form. Please use the form Application for Surrender or Partial Surrender of an Environmental Authority (EM796).

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Definitions of terms used in this form

Where there is inconsistency between the definition of terms used here and the terms used in the EP Act, the terms in the EP Act apply.

Environmentally relevant activity (ERA)	A resource activity or a prescribed ERA
ERA project	A prescribed ERA project or a resource project.
Mobile and temporary ERA	<p>A prescribed ERA, other than an activity that is dredging material, extracting rock or other material, or the incinerating of waste:</p> <ul style="list-style-type: none">(a) carried out at various locations using transportable plant or equipment, including a vehicle(b) that does not result in the building of any permanent structures or any physical change of the landform at the locations (other than minor alterations solely necessary for access and setup including, for example, access ways, footings and temporary storage areas)(c) carried out at any 1 of the locations:<ul style="list-style-type: none">(i) for less than 28 days in a calendar year, or(ii) for 28 or more days in a calendar year only if the activity is necessarily associated with, and is exclusively used in, the construction or demolition phase of a project.
Prescribed ERA	An environmentally relevant activity that is not a resource activity and is prescribed under section 19 of the EP Act.
Prescribed ERA project	All prescribed ERAs carried out, or proposed to be carried out, as a single integrated operation.
Registered suitable operator	A person who, or a corporation which, under section 318I of the EP Act has been assessed as being suitable to carry out an ERA and has been listed on the suitable operator register.
Resource activity	<p>An activity that is any of the following:</p> <ul style="list-style-type: none">(a) a geothermal activity(b) a greenhouse gas (GHG) storage activity(c) a mining activity(d) a petroleum activity.
Resource project	Resource activities carried out, or proposed to be carried out, under 1 or more resource tenures, in any combination, as a single integrated operation.
Significant project	A project declared under section 26 of the <i>State Development and Public</i>



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Works Act 1971 to be a significant project.

- Single integrated operation Occurs when all the below criteria is met:
- (a) the activities are carried out under the day-to-day management of a single responsible individual, for example, a site or operations manager
 - (b) the activities are operationally interrelated
 - (c) the activities are, or will be, carried out at 1 or more places
 - (d) the places where the activities are carried out are separated by distances short enough to make feasible the integrated day-to-day management of the activities.

GUIDE

If you require assistance in answering any part of this form, or have any questions about your application please contact the relevant department. Contact details are at the end of this form

The environmental authority number and details may be found on the existing environmental authority or quoted in other correspondence received from the administering authority.

If more space is required for any responses, please attach additional information as a separate page.

If there is an agent acting on behalf of the environmental authority holder, provide details in this section. An agent could be a consultant or a contact for the environmental authority holder.

As statutory documents need to be sent to all applicants, this section can also be used when there are multiple environmental authority holders to nominate an address for statutory documentation to be sent 'care of' to.

Application details

1. Environmental authority number

ENVIRONMENTAL AUTHORITY NUMBER

EPPR00816213(formerly SPCE01417310)

ENVIRONMENTAL AUTHORITY HOLDER NAMES

Gympie Regional Council

Agent details / address for service

The address supplied here will also be used as a service address for sending statutory documents. If blank, statutory documents will be sent to the address previously supplied for the holder or principal applicant for the environmental authority.

INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT)

242 MARY STREET GYMPIE QLD4570

RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS)

PO Box 155 Gympie QLD 4570

POSTAL ADDRESS (WHERE DIFFERENT FROM ABOVE)

CONTACT PERSON

Miljenko Pavlinic

PHONE

1300307800

FACSIMILE

EMAIL

miljenko.pavlinic@gympie.qld.gov.au

☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL

Criteria for a major or minor amendment and guidance on the difference between the two can be found in the guideline: 'Major and minor amendments' EM959 and s. 223 of the EP Act).

2. Describe in detail the proposed amendment and the reason the amendment is being sought

The decision of whether the amendment is major or minor is made by the administering authority. However, the administrative process requires you to indicate whether you think the proposed amendment will constitute a major or minor amendment. If you have questions regarding whether your amendment will be minor or major are encouraged to arrange a pre-lodgement meeting with the administering authority.

☐ Major

☒ Minor

Provide a detailed description of your proposed amendment.

Include a justification of how your proposed amendment meets the criteria for a major or minor amendment and attach any supporting information to this application.

If the amendment is to add or delete a location, tenure or activity, or to change the threshold of an activity, provide details.

PROVIDE FULL DETAILS OF THE PROPOSED AMENDMENT (IF INSUFFICIENT ROOM, ATTACH A SEPARATE DOCUMENT). Remove the conditions 1D1-2 and 2D1-2 for Bonnick Road Waste Management Facility.

Council undertook additional noise modeling for the mulching activity at Bonnick Road and the modeling proved that green waste mulching could be carried out on the site in compliance with conditions 1D1-5 and 2D1-12 should acoustic mitigation engineering measures be implemented. The report from Air Noise Environment Pty Ltd is attached.

Replace the condition 1C3-1 "Landfill as bioreactor investigation" with the following:

""Council needs to prepare and forward to EHP the leachate management plan which will address the following:

- Goals to be achieved from managing leachate
- Measures and procedures that will be implemented to minimise the generation of leachate
- Leachate level, volume and quality monitoring plan and schedule
- Leachate disposal and treatment options including leachate recirculation within the new cell."

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3. Describe the land where the proposed amended activities will be carried out

- ☒ The activity will be carried out within the existing approved footprint of the environmental authority.
- ☐ The activity is mobile and temporary and will be carried out in a new area:

AREA OF OPERATION E.G. PARTICULAR LOCAL GOVERNMENTS OR ACROSS THE STATE OF QUEENSLAND

- ☐ The activity will be carried out at a new fixed location as follows:

STREET NUMBER	STREET NAME	SUBURB/TOWN
POSTCODE	LOT/PLAN	
PORT (IF APPLICABLE)		
TENURE DETAILS (IF APPLICABLE)		
GENERAL DESCRIPTION OF LAND E.G. ENVIRONMENTAL VALUES, BIOREGIONS AND REGIONAL ECOSYSTEMS, TERRAIN, SHALLOW GROUND WATER SYSTEMS, FLOODPLAINS, SPRINGS AND SOIL DESCRIPTIONS		

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4. Is the proposed amendment to either add a new ERA, or amend an existing ERA?

- ☐ No → go to question 5
- ☒ Yes ☐ In making the proposed amendment, I can comply with the eligibility criteria and do not need to vary any of the standard conditions.
- ☒ In making the proposed amendment, I can comply with the eligibility criteria but am seeking to vary one or more of the standard conditions. Details of the proposed variation are provided in the table below:

ERA NUMBER AND THRESHOLD	
ERA60 -Waste Disposal ,Treshold 2€ 20000t to 50000t per year	
STANDARD CONDITION TO BE VARIED	REQUESTED VARIATION
1D1-2	DELETION OF CONDITIONS
2D1-2	
1C3-1	REPLACE CONDITION WITH PROPOSED CONDITION IN SECTION 2
JUSTIFICATION FOR REQUESTED VARIATION	
<p>Green waste mulching can be conducted in compliance with condition 1D1-5 and 2D1-12 if acoustic mitigation engineering measures are implemented. See attached report by Air Noise Environment Pty Ltd</p> <p>The reason for 1C3-1 amendment is as follows: operating a bioreactor landfill incorporatiing the parts of unlined landfill and the cell lined without a geomembrane would increase the risk of groundwater contamination. Secondly the size of the landfill and gas generation potential does not justify landfill gas utilisation with gas engine or any other system; therefore, it would be pointless to increase the gas generation without being able to utilise it. In practice Bonnick Road does not meet prerequisites to plan modern state of the art Bioreactor Landfill. .</p>	

- ☐ In making the proposed amendment, I cannot comply with the relevant eligibility criteria for all relevant activities and further detail has been provided below.

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DETAILS INCLUDING ERA NUMBER AND THRESHOLD

If you currently have a Plan of Operations in place and would like to change the amount of financial assurance held, please contact Permit and Licence Management. Details are provided at the end of this form.

If you were required to give financial assurance or make a change to your existing financial assurance prior to the 31st March 2013, then that requirement continues to apply (refer to s.699 of the EP Act).

For information on the type of ERAs, please refer to the business and industry website:
www.business.qld.gov.au.
Use 'environmentally relevant activities' as a search term.

Prescribed ERA information

This question is only relevant to prescribed ERAs as resource activities will not trigger assessable development under the *Sustainable Planning Act 2009*.

5. Do you currently have financial assurance held as part of the approved environmental authority

- ☒ No
- ☐ Yes → ☐ I will not need to change the financial assurance in relation to this amendment.
- ☐ I will be changing the financial assurance and have attached the form Application to Amend or Discharge Financial Assurance for an Environmental Authority (EM875)
- ☐ I will be changing the financial assurance and will be amending or replacing my Plan of Operations.

6. What is the ERA type you are applying to amend?

- ☒ Prescribed ERA—this application involves only prescribed ERA activities → go to question 7
- ☐ Resource activity—this application involves resource activities → go to question 11

7. Are there any development permits in effect or have any development applications been made under the Sustainable Planning Act 2009 to carry out the proposed amendment?

- ☒ No → go to question 8
- ☐ Yes → provide a list of applicable development permits or applications below

DEVELOPMENT PERMIT/ APPLICATION NUMBER	DEVELOPMENT PERMIT/ APPLICATION NAME	ASSESSMENT MANAGER	DATE OF APPLICATION OR APPROVAL	EXPIRY DATE
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Application to amend an environmental authority

Provide a list of all the ERAs that are to be removed from the environmental authority and identify whether the ERA has commenced.

8. Is this application to remove an ERA from your environmental authority?

- ☒ No → go to question 15
- ☐ Yes → indicate which ERAs are to be removed, then go to question 9

ERA NUMBER AND NAME	THRESHOLD	HAS THE ERA COMMENCED? (YES/NO)	LOCATION (INCLUDING ALL LOT ON PLAN/TENURE DETAILS)

If you have identified above that any of the ERAs have not commenced, please complete the below:

- ☐ I declare that where identified, the ERAs above have not commenced.

9. Does your environmental authority contain any rehabilitation conditions that are applicable to the ERAs that you are requesting be removed from the environmental authority?

- ☐ Yes → you must attach a final rehabilitation report
- ☐ No

10. Compliance statement

This compliance statement must be completed by, or on behalf of the environmental authority holder. Once completed, go to question 15

Attach a separate document to this application form which states the extent to which:

- the ERAs being removed from the environmental authority have complied with each relevant condition of approval

The final rehabilitation report must be completed in the correct template and contain all the information specified in the template. The final rehabilitation report template is available at www.qld.gov.au using the publication number (EM872) as a search term.

Only a person with appropriate environmental expertise and/or experience in planning and executing site operations should sign this compliance statement. This person may be the environmental authority holder, a full time employee of the environmental authority holder or a consultant to the environmental authority holder.

Methods to verify compliance may include a desktop assessment of



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documentation, an interview with the landowner/holder or a field operator or a site inspection. Evidence used may include photographs, statements and other documentation (maps, plans, approvals, monitoring results etc.).

- the final rehabilitation report is accurate (include the date of the final rehabilitation report). Note: The compliance statement only needs to be made for the final rehabilitation report if the answer to question 9 is 'Yes'

Describe the qualifications and experience of the person signing the compliance statement.

Provide details of the date, method and evidence used to verify compliance and accuracy.

Provide the contact number of the person signing the compliance statement

I

(insert name and position of person making the compliance statement)

- make the compliance statement by or for the holder of the environmental authority
- confirm that, to the best of my knowledge, all information provided as part of this compliance statement, including attachments, is true, correct and complete. I am aware that it is an offence under section 480 of the *Environmental Protection Act 1994*, to give the administering authority information that I know is false, misleading or incomplete
- confirm that, to the best of my knowledge, this compliance statement, including attachments, does not include false, misleading or incomplete information
- confirm that, to the best of my knowledge, I have not knowingly failed to reveal any relevant information or document to the administering authority
- confirm that, to the best of my knowledge, all information provided in this



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compliance statement, including attachments, address the relevant matters and are factually correct

- confirm that the opinions expressed in this compliance statement, including attachments, are honestly and reasonably held
- I understand that all information supplied as part of this compliance statement, including attachments, can be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

SIGNATURE	CTPI 49-Sch4-Signature	DATE	10/10/2014
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If your amendment application also involves resource activities, go to question 11. Otherwise, go to question 17.

Resource activity information

A regional interests development approval (RIDA) is required when a resource activity is proposed in an area of regional interest under the *Regional Planning Interests Act 2014*. Further information, including applications forms, can be found on the Department of State Development, Infrastructure and Planning (DSDIP) website, www.dsdip.qld.gov.au.

11. Is the resource activity located anywhere within an area of regional interest?

- ☐ No
- ☐ Yes, which regional interest area, have or will you require a regional interests development approval?
- ☐ Priority Agricultural Areas (PAAs) application reference:
 - ☐ Priority Living Areas (PLAs) application reference:
 - ☐ Strategic Environmental Areas (SEAs) application reference:
 - ☐ Strategic Cropping Area (SCA, formerly Strategic Cropping Land) application reference:
- ☐ No regional interests development approval required, I am an exempt activity.

Offset delivery can be staged, however for this to occur, the condition of any approved environmental authority needs to state that both the activity and the offset may be staged. As part of your notice of election for each stage under the Environmental Offsets Act 2014 you are required to provide a detailed assessment of the quantum of impact of that stage and the offset obligation requirement to be delivered for that stage.

12. Environmental offsets

An environmental offset may be required for an ERA where despite all reasonable measures to avoid and minimise impacts on certain environmental matters, there is still likely to be a significant residual impact on one or more of those matters.

You must verify the presence, whether temporary or permanent, of those environmental matters. For more information refer to the State Significant Impact Guideline at the Queensland Government website at:

www.qld.gov.au/environment/pollution/management/offsets/index.html

Will the proposed amendment cause a significant residual impact to a prescribed environmental matter (other than a matter of local environmental significance)?

☐ No

☐ Yes, please attach supporting information that:

- details the magnitude and duration of the likely significant residual impact on each prescribed environmental matter (other than matters of local environmental significance) for the entire activity; and
- demonstrates that all reasonable measures to avoid and minimise impacts on each of those matters will be undertaken; and
- if the activity is to be staged, details of how the activity is proposed to be staged

☐ I have attached the supporting information.

This question applies if the current activity is a resource activity or the application is to add a resource activity to an existing operation.

Both the administering authority and the applicant have responsibilities to make the application notice and application documents available on a website during the public notification period. If the applicant has a website the administering authority will link to the location where the applicant will store these documents. A word searchable electronic PDF copy of the application documents must also be included.

'Resource activities' include mining, geothermal, greenhouse gas storage, petroleum or coal seam gas activities.

The administering authority will only link to the applicant's site or post the application documents if it is determined that the amendment represents a 'major amendment' and that public notification is required.

13. Public notice requirements. Please select one of the options below:

- ☐ The application relates to a mining activity only and public notice requirements will not apply
- ☐ I have included details of the website where copies of the application notice and application documents will be made available during public notification stage. If the administering authority will require permission to link to this website, also provide contact details of the person who will be able to assist the administering authority in this process.
- ☐ I cannot make this information available on a website. All of the application information has been provided to the administering authority in an electronic format.

WEBSITE ADDRESS

CONTACT NAME

TELEPHONE

EMAIL ADDRESS

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An ineligible ERA is an activity that either does not comply with the eligibility criteria or does not have any eligibility criteria in place.

14. Does the application relate to an environmental authority for a coal seam gas activity that is an ineligible ERA?

☐ No → go to question 15

- ☐ Yes →
- ☐ I have determined that the amendment will not change the way that CSG water is managed.
 - ☐ I have determined that the amendment will change the way that CSG water is managed and have provided the mandatory information set out below.

	MANDATORY INFORMATION
☐	The quantity of CSG water the applicant reasonably expects will be generated in connection with carrying out each relevant CSG activity.
☐	The flow rate at which the applicant reasonably expects the water will be generated.
☐	The quality of the water, including changes in the water quality the applicant reasonably expects will happen while each relevant CSG activity is carried out.
☐	The proposed management of water including, for example, the use, treatment, storage or disposal of the water.
☐	<p>The measurable criteria ('management criteria') against which the applicant will monitor and assess the effectiveness of the management of the water, including, for example, criteria for each of the following:</p> <ul style="list-style-type: none"> (i) the quantity and quality of the water used, treated, stored or disposed of (ii) protection of the environmental values affected by each relevant CSG activity (iii) the disposal of waste, including, for example, salt, generated for the management of the water.
☐	The action proposed to be taken if any of the management criteria are not complied with, to ensure that the criteria will be able to be complied with in the future.
☐	<p>If the application includes a CSG evaporation dam, an evaluation of the following must be provided:</p> <ul style="list-style-type: none"> (i) best practice environmental management for managing CSG water (ii) alternative ways for managing CSG water (iii) whether there is a feasible alternative to a CSG evaporation dam for managing the water. Note if the evaluation shows that there is a feasible alternative option, the CSG evaporation dam cannot form part of the water management for this amendment application.

General ERA information

Completion of an EIS process is defined in section 60 of the EP Act.

The information provided here will assist the administering authority in deciding whether an EIS is required.

For further information refer to the guideline: Triggers for Environmental Impact Statements under the *Environmental Protection Act 1994* for mining, petroleum and gas activities. This guideline is available at www.qld.gov.au, using the search term 'triggers for environmental impact statements'.

15. Has an environmental impact statement (EIS) process that includes the proposed amendment, been completed?

☐ No

☒ Yes → ☒ I have assessed the environmental risks of the proposed amendment and consider them to be the same as was assessed in the EIS. A copy of the assessment is attached. Go to question 18

☐ I have assessed the environmental risks of the proposed amendment and consider them to be different to what was assessed in the EIS. Go to question 16

16. EIS triggers

Questions	Select	Give details or attach documentation to support your answer
<p><i>Only answer this question if the current ERA project is for an existing mine extracting between 2–10 million tonnes per year of run of mine (ROM) ore or coal.</i></p> <p>Is the proposed ERA amendment for an increase in the annual extraction of more than 100% or 5 million tonnes per year (whichever is the lesser)?</p>	<p>☐ YES</p> <p>☐ NO</p> <p>☐ N/A</p>	
<p><i>Only answer this question if the current ERA project is for an existing mine extracting over 10 million tonnes per year of ROM ore or coal.</i></p> <p>Is the proposed ERA amendment for an increase in annual extraction of more than 10% or 10 million tonnes per year (whichever is the lesser)?</p>	<p>☐ YES</p> <p>☐ NO</p> <p>☐ N/A</p>	

Application form
Application to amend an environmental authority

<p><i>Only answer this question if the current ERA project is for an existing mine extracting over 20 million tonnes per year of ROM ore or coal extraction.</i></p> <p>Is the proposed ERA amendment for an increase in annual extraction of greater than 25%?</p>	☐ YES ☐ NO ☐ N/A	
<p>Is the proposed ERA amendment for a mining activity that will extend into a Category A or B environmentally sensitive area, unless previously authorised by the state?</p>	☐ YES ☐ NO ☐ N/A	
<p>Is the proposed ERA amendment for a mining activity that would involve a substantial change in mining operations?</p> <p>For example: from underground to open cut, or (for underground mining) a change in operations that currently causes little subsidence but with the proposed ERA amendment, is likely to cause substantial subsidence?</p>	☐ YES ☐ NO ☐ N/A	
<p>Is the proposed ERA amendment for a mining activity and a novel or unproven resource extraction process, technology or activity, is being proposed?</p>	☐ YES ☐ NO ☐ N/A	
<p>Is the proposed ERA amendment for a petroleum and gas activity that is likely to have a total disturbance area of greater than 2000 hectares at any 1 time during the life of the proposed project? This includes areas occupied by well pads (single or multi-directional), access tracks and roads, water storages, and process plants</p>	☐ YES ☐ NO ☐ N/A	
<p>Is the proposed ERA amendment for a petroleum and gas activity that is likely to involve the construction of a high pressure pipeline over a distance of 300 kilometres or greater?</p>	☐ YES ☐ NO ☐ N/A	

Application form Application to amend an environmental authority

The administering authority may decide that an EIS is required for the amendment application (refer to section 142 of the EP Act).

Public notification may also be applicable to the amendment if the application is for a resource activity and the proposed amendment is considered to be a 'major amendment' (as defined in section 223 of the EP Act).

Is the proposed ERA amendment for a petroleum and gas activity that is likely to involve the construction of a liquefied natural gas plant?	☐ YES ☐ NO ☐ N/A
---	---

17. Assessment of the environmental impact and provision of specific supporting information

You must provide an assessment of the likely impact of the proposed amendment on the environmental values, including the following mandatory information in the table below, unless the not applicable check box is ticked.

Only tick the 'Not Applicable' check box if the proposed amendment does not cause a change to the environmental values, aspects and impacts as approved under the current environmental authority.

Where the 'Not Applicable' option is selected, sufficient information must be provided to support this determination, as the determination forms part of the required assessment.

	MANDATORY INFORMATION	
•	A description of the environmental values likely to be affected by the proposed amendment	Provided ☐ N/A ☐
•	Details of any emissions or releases likely to be generated by the proposed amendment	Provided ☐ N/A ☐
•	A description of the risk and likely magnitude of impacts on the environmental values	Provided ☐ N/A ☐
•	Details of the management practices proposed to be implemented to prevent or minimise adverse impacts	Provided ☐ N/A ☐
•	Details of how the land the subject of the application will be rehabilitated after each relevant activity ceases.	Provided ☐ N/A ☐

To provide a response to the mandatory information, specific supporting information must be provided to the administering authority, the type and detail of which will depend on your particular ERA project. Support material for technical information requirements, is located on the business and industry website www.business.qld.gov.au.

You must include a description of the proposed measures for minimising and managing waste generated by the proposed amendments.

For further information on technical information to provide with your application, please refer to the business and industry website www.business.qld.gov.au

18. Provide details of the proposed measures for minimising and managing waste generated by any amendments to the relevant activity.

WASTE MANAGEMENT DETAILS. IF WASTE IS TO BE MANAGED ACCORDING TO AN EXISTING WASTE MANAGEMENT PLAN, PROVIDE THE RELEVANT PAGE OR SECTION NUMBERS.

NA

19. Is this land currently subject to an environmental protection order or a site management plan?

☒ No

☐ Yes → ☐ I have an environmental protection order in place and the details are provided below.

☐ I have a site management plan in place and the details are provided below.

PROVIDE THE REFERENCE NUMBER AND BRIEF DETAILS

20. Is any part of the land currently recorded in, or previously been recorded in, the environmental management register?

☐ No

☒ Yes, complete the below table and provide the additional details

PLEASE TICK RELEVANT BOXES	YES	NO	ADDITIONAL DETAILS
Has the land been removed from the environmental management register?	☐	☒	If yes is ticked, you must attach evidence (e.g. a notice) advising that details have been removed from the environmental management register

Application form
Application to amend an environmental authority

The first step towards payment is to calculate the fees payable. Information on these fees can be located in the information sheets Fees for Permits for Environmentally Relevant Activities (ERAs) (EM33) and Summary of Annual Fees for Environmentally Relevant Activities (ERAs) (EM389), available at www.qld.gov.au. Use the document number (e.g. EM33) as a search term.

To pay by credit card you will need to provide contact details so you can be contacted for your credit card payment to be made over the phone.

The decision of whether the amendment is 'major' or 'minor' is made by the administering authority. However, you are required to pay either the 'minor' or the 'major' fee you think is applicable to the proposed amendment application. Criteria for a major or minor amendments and guidance on the difference between the two can be found in the guideline: 'major and minor amendments' EM959

Any incorrect application fee will be detailed on the assessment level decision notice. This assessment level decision notice will also include outstanding application fee payment options.

21. Payment of fees

Application fee:	\$ 4330
------------------	---------

You may pay your fee via cheque, money order or credit card.

Select the payment method below:

- ☒ Payment by cheque or money order made payable to the Department of Environment and Heritage Protection (attached).
- ☐ Payment by cheque or money order made payable to the Department of Agriculture, Fisheries and Forestry (attached).
- ☐ Please contact me (the applicant) for credit card payment:

Phone number: _____

R

Application form

Application to amend an environmental authority

Where there is more than one holder of the environmental authority, this declaration is to be signed by all holders, unless there is an agreement between all holders that one can sign on behalf of the other.

Note: If only one holder is signing this application form, they are committing all holders to the content of the application and the declaration.

Where the environmental authority holder is a company, this form must be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection (EHP) and Agriculture, Fisheries and Forestry (DAFF) are collecting the information on this form to process your amendment application for an environmental authority. This collection is authorised under sections 222 to 227 of the *Environmental Protection Act 1994*. Some information may be given to the Department of Natural Resources and Mines (DNRM) for the purposes of processing this application and/or the administration of the *Strategic Cropping Land Act 2011*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law. For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

22. Declaration

Note: If you have not told the truth in this application you may be prosecuted.

Where an agreement is in place between all holders of the environmental authority, that 1 holder can sign on behalf of the other joint holders, please tick the below checkbox.

☒ I have the authority to sign this form on behalf of all the joint holders of the environmental authority.

I declare that:

- I am the holder of the environmental authority, or authorised signatory for the holder of the environmental authority.
- If the proposed amendment is made, the relevant activities will continue to comply with the eligibility criteria for all eligible ERAs, or where they cannot, I have indicated otherwise in my application and provided the required support information.
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME Miljenko Pavlinic	
APPLICANT'S	<div>CTPI 49-Sch4-Signature</div>
POSITION OF SIGNATORY WASTE SERVICES MANAGER	DATE 10/11/2014
JOINT HOLDER'S NAME (IF APPLICABLE)	JOINT HOLDER'S SIGNATURE (IF APPLICABLE)
JOINT HOLDER'S NAME (IF APPLICABLE)	JOINT HOLDER'S SIGNATURE (IF APPLICABLE)

Application form
Application to amend an environmental authority

Applicant checklist

- ☒ Application form has been signed and all questions completed.
- ☐ Question 5: Application to Amend or Discharge Financial Assurance for an Environmental Authority (EM875) is attached (if applicable).
- ☐ Question 12: Supporting information for environmental offsets attached (if applicable)
- ☐ Question 14: mandatory information for the assessment of coal seam gas activities attached (if applicable)
- ☐ Question 17: mandatory information for assessment of environmental impacts attached (if applicable)
- ☒ Fees paid or enclosed.

Please include a word searchable electronic PDF copy of the application documents when you lodge your application.

Please submit your completed application to:

For a mining ERA where the proposed amendment impacts upon the resource tenure:

Mining Registrar
Department of Natural Resources and Mines
DNRM have a list of office locations for mining registrars on their website
www.dnrm.qld.gov.au

For ERA 2, ERA 3 or ERA 4

Post:
Senior Environmental Scientist
Animal Industries
Department of Agriculture, Fisheries
and Forestry
PO Box 102
TOOWOOMBA QLD 4350

Enquiries:
Phone: (07) 4688 1374
Fax: (07) 4688 1192
Email:
livestockregulator@daff.qld.gov.au

For all other ERAs

Post:
Permit and Licence Management
Department of Environment and
Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Enquiries:
Website: www.business.qld.gov.au
Email: palm@ehp.qld.gov.au
Phone: 13 QGOV (13 74 68)

Courier or hand delivery:
Permit and Licence Management
Department of Environment and
Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Business hours: 8:30am–4:30pm

Further information

The latest version of this publication and other publications referenced in this document can be found at www.qld.gov.au using the relevant publication number (EM847 for this form) as a search term.



Air Noise Environment Pty Ltd

Unit 3, 4 Tombo Street
Capalaba
QLD 4157
T: 07 3245 7808
F: 07 3245 7809
E: ane@ane.com.au

ACN 081 834 513
ABN 13 081 834 513

Gympie Regional Council
PO Box 155
Gympie
QLD 4570

Attention: Miljenko Pavlinic

Ref: 3714replet02.odt

3 July 2014

Dear Miljenko

RE: ADDITIONAL NOISE MODELLING - PROPOSED MULCHING ACTIVITY, BONNICK ROAD LANDFILL

This report letter presents additional noise modelling of proposed mulching activity at the Bonnick Road Landfill, Gympie. It is understood that Gympie Regional Council is seeking approval from the Department of Environment and Heritage Protection for mulching operations at the landfill component of the site. This assessment has been undertaken to identify acoustic mitigation for mulching activity in order to achieve compliance with the site licence conditions.

Site License Conditions

The site licence conditions (EHP Permit Number SPCE01417310) state the following noise limits for landfill activity at Bonnick Road in Schedule D Table 1.

Table 1 - Site Noise Licence Conditions

Time Period	Proponent Noise Level at a 'Nuisance Sensitive Place' measured as the $L_{Aeq,adj,1hr}$
7 am - 5 pm	47 dB(A) or background noise level plus 3 dB(A), which is the higher
Time Period	Noise Level at a 'Commercial place' measured as the $L_{Aeq,adj,1hr}$
7 am - 5 pm	55 dB(A) or background noise level plus 5 dB(A), whichever is the greater

Based on background noise monitoring undertaken in 2009 by Air Noise Environment¹, the 47 dB(A) and 55 dB(A) noise limits are applicable to the landfill.

Noise Modelling Methodology

The noise modelling methodology is as per the original assessment undertaken in August 2011¹, except for the following considerations:

- updated ground contours (1.0 m resolution) as provided by Gympie Regional Council; and
- no source-to-receiver winds have been considered in accordance with the guidelines provided in the EHP Planning for Noise Control Guideline (2004). Based on historical 9 am and 3 pm wind roses for Gympie, source-to-receiver winds less than 3 m/s do not occur more than 30% of the time, therefore, wind is not considered to be a major feature of the area.

Table 2 presents the noise source data utilised for the modelling. During mulching, an excavator feeds green waste into the top of the mulcher. For the purpose of the modelling, it assumed that other regular landfill activities are occurring using a compactor and excavator (as per the original assessment). The data for the mulcher is based on attended noise measurements undertaken on 11 March 2014 while the mulcher was in operation at Tin Can Bay. The measurements were completed using a B&K 2250 Lite (Serial No. 2741105, NATA calibration due 8/11/15)). A Pulsar 105 94 dB calibrator (Serial No. 62686, NATA calibration due 23/10/14) was used for pre- and post-measurement calibration checks (93.8 dB/93.8 dB).

Table 2 - Modelled Noise Source Data

Noise Source	Acoustical Usage Factor	Frequency Spectra (SWL)									Total	
		31.5	63	125	250	500	1k	2k	4k	8k	A	Lin
Mulcher ^a	100%	113	121	126	114	116	114	112	108	101	120	128
Excavator (feeding mulcher)	40%	113	113	122	111	111	107	105	100	91	113	123
Excavator (general landfill activity)	40%	113	113	122	111	111	107	105	100	91	113	123
Compactor (general landfill activity)	40%	104	120	106	107	108	110	107	106	100	114	121

^a A plus 0.8 dB correction for tonality has been considered based on analysis of 1/3 octave band measurement data in accordance with the EHP Planning for Noise Control Guideline

¹ Proposed Waste Management Facility, Gympie - Acoustic Assessment, Air Noise Environment, August 2011, 2298report08.odt

As per the original assessment, acoustic usage factors have been considered for the compactor and excavators. The mulcher would typically operate continuously and therefore, a 100% usage factor has been considered. All sources have been modelled at 2.0 metres above ground.

Sensitive Receptors

Table 3 and Figure 1 presents the modelled receptor locations. Receptor F1 is a vacant land zoned as a Residential Area.

Table 3 - Modelled Receptor Groups

Receptor Group	Description
P1	Wide Bay TAFE Institute
P2	Gympie West Primary School
P3	James Nash High School
R1	Residential
R2	Residential
R3	Residential
R4	Residential
R5	Aged Care Residential Facility
R6	Residential
R7	Residential
R8	Residential at Gympie Golf Links
R9	Residential (Two-Storey House)
F1	Potential Residential Subdivision



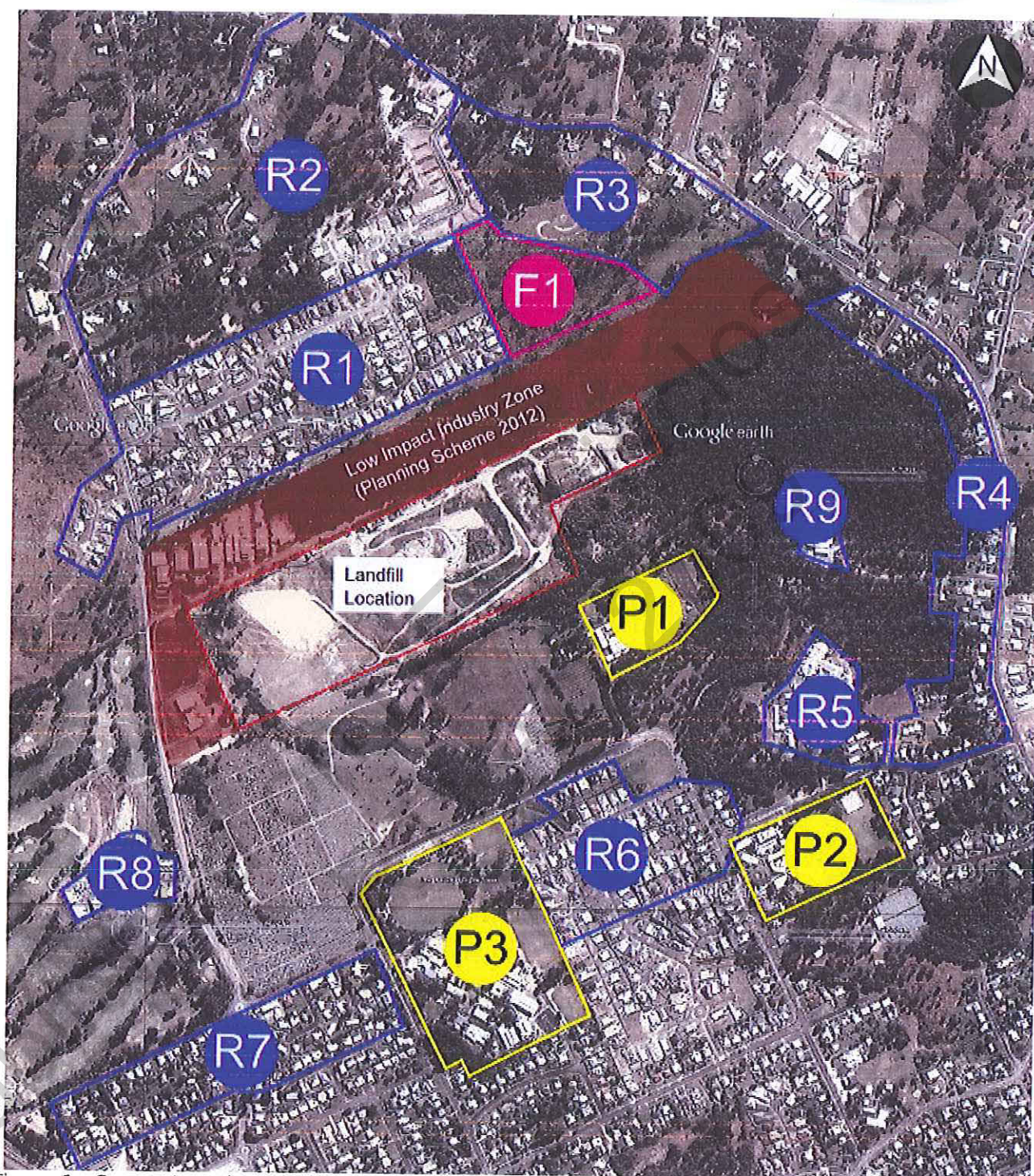


Figure 1 - Source Locations and Acoustic Mitigation

Noise Mitigation Scenarios

Iterative noise modelling has been undertaken to identify potential acoustic barrier options for minimising noise levels at the nearest sensitive receptors.

Scenario 1 (West Option) considers mulching in the western area of the landfill and a 6.0 m earthmound directly to the north, west and south of the mulching activity. This location takes advantage of acoustic shielding provided by the landfill topography to the east, which is approximately 20 metres higher than the modelled mulching location. Scenario 2 (East Option) considers mulching in the eastern section of the landfill site along with a 6.0 m earthmound and additional earth mounding on top of the embankment surrounding this area.

Figure 2 presents the modelled source locations and modelled mitigation.

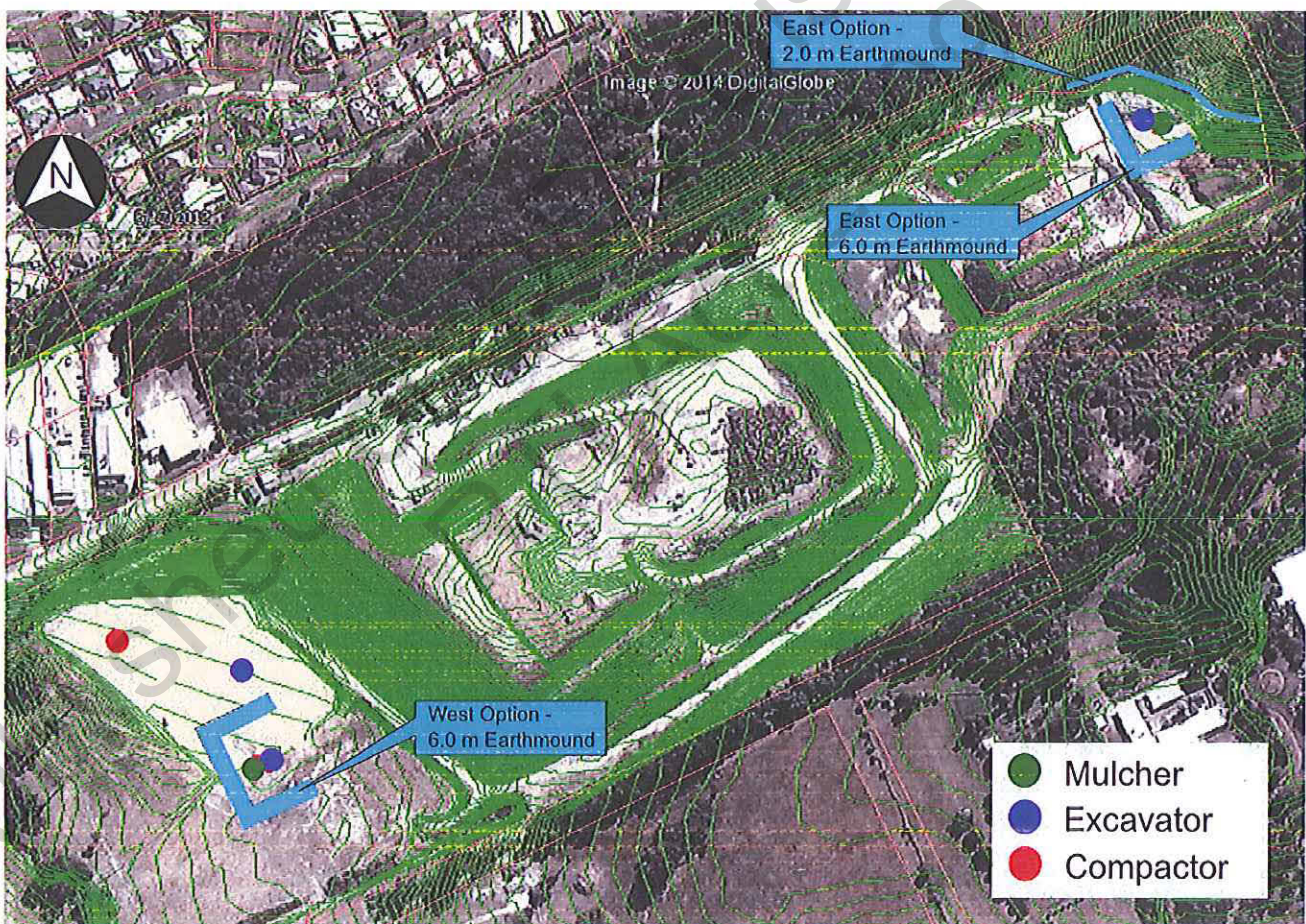


Figure 2 - Source Locations and Acoustic Mitigation

Noise Modelling Results

Tables 4 and 5 presents the noise modelling results for the proposed mulching activity for the two modelling scenarios. Results are presented for 'No Barrier' and 'With Barrier' scenarios to show the acoustic benefit of including mitigation.

Table 4 - West Option - Predicted Noise Results

Receptor Group	Receptor Type	Predicted $L_{Aeq,1\text{-hour}}$ Noise Levels dB(A)	
		No Barrier	With Barrier
P1	Wide Bay Tafe Institute	45	45
P2	Gympie West Primary School	40	40
P3	James Nash High School	49	46
R1	Residential	50	47
R2	Residential	46	43
R3	Residential	39	39
R4	Residential	38	38
R5	Aged Care Residential Facility	41	41
R6	Residential	49	46
R7	Residential	45	45
R8	Residential at Gympie Golf Links	52	47
R9	Residential	40	40
F1	Vacant Residential Zone	41	41
Noise Criteria		47	



Table 5 - East Option - Predicted Noise Results

Receptor Group	Receptor Type	Predicted $L_{Aeq,1-hour}$ Noise Levels dB(A)	
		No Barrier	With Barrier
P1	Wide Bay Tafe Institute	57	50
P2	Gympie West Primary School	42	37
P3	James Nash High School	42	42
R1	Residential	58	56
R2	Residential	44	43
R3	Residential	50	48
R4	Residential	48	47
R5	Aged Care Residential Facility	44	38
R6	Residential	43	41
R7	Residential	40	39
R8	Residential at Gympie Golf Links	43	43
R9	Residential	52	47
F1	Vacant Residential Zone	59	57
Noise Criteria		47	

The results of the modelling indicate non-compliance at a number of receptors for the Western and Eastern Options without any barriers or earth mounds in place. Non-compliances are predicted for the Western and Eastern Option by up to 5 dB and 7 dB, respectively.

Compliance with the noise license limits is predicted at all nearest receptor groups for the Western Barrier Option. Noise reductions of up to 5 dB are predicted by inclusion of the 6.0 m earthmound. For the Eastern Barrier Option, a greater reduction in noise levels is predicted (up to 7 dB reduction) however, non-compliance is still predicted at 4 receptors including the nearest northern residential receptors (R1, R3 and F1) and the nearest southern receptor (Wide Bay TAFE Institute).

Conclusion

Based on the results of the modelling, it is recommended that mulching activity occur in the western section of the landfill site (as identified in Figure 2). In addition, an earth mound (minimum height of 6.0 m) should be constructed along the north, western and southern boundary of the mulching operational area. Compliance with the noise license conditions is predicted for this mitigation option.

Please feel free to contact me if you have any further queries.

Disclaimer

This document has been prepared with all due care and attention by professional environmental practitioners according to accepted practices and techniques. This document is issued in confidence and is relevant only to the issues pertinent to the subject matter contained herein. Air Noise Environment Pty Ltd holds no responsibility for misapplication or misinterpretation by third parties of the contents of this document. If this document does not contain a signature, it is not an authorised copy. Unauthorised versions should not be relied upon for any purpose by the client, regulatory agencies or other interested parties.

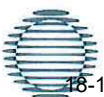
Where site inspections, testing or fieldwork have taken place, the report is based on the information made available by the client or their nominees during the visit, visual observations and any subsequent discussions with regulatory authorities. The validity and comprehensiveness of supplied information has not been independently verified and, for the purposes of this report, it is assumed that the information provided to Air Noise Environment Pty Ltd is both complete and accurate. It is further assumed that normal activities were being undertaken at the site on the day of the site visit(s).

Yours sincerely
for Air Noise Environment Pty Ltd

CTPI 49-Sch4

CTPI 49-Sch4-Name

Senior Environmental Engineer



☐ Regional Information and Filing

☒ Regional - Action Required

☐ PALM to File

AR #: AR065805
Assessment

Admin. Office: Government Organisation

Project #: 337551

Posted to:

EA Application #:568376

Permit # EPPR00816213

Development Permit Ref # (if applicable)

PaLM Coordinator: Shari Sievers

PaLM Processor: Liz Patu

3016 - Validation Checklist - EA Amendment Application for a prescribed ERA

Application Details		Cross for Yes
Amendment Processing:	☐ Existing EA has standard conditions only AND ☐ Is a minor amendment indicated by Question 2 response AND ☐ applicant can comply with standard conditions (Question 4) (all 3 boxes to be ticked for PaLM to issue amended EA)	☒ Other (ES to assess) Amendment type for initial data entry: Minor / Major Minor
Amendment Reason: - Please add ERA 60 2e to ecotrack - changes to conditions		
Existing ERA No/s:60 (2a) 62 60(2c) 60(2a) -- checking with Ricki Muller if ERA60 2e should be on EA - as customer believes they are approved already for this activity.		
Proposed ERA No/s (if applicable): temporary	☐ ERA is <u>not</u> mobile and	
Version of Code (for ERA 57 or 16): ☐	☐ ERA is mobile and temporary	
ERA No/s to be removed (if applicable):		
Applicant Name:Gympie Regional Council		
Application Dates		Cross for Yes
Application Received:12/11/14	Application requirements requested date:.	
Response Due Date:	☐ Application Invalid (tick which applies below) ☐ Application requirements not met within timeframe ☐ Application is unable to be made Invalid date	
Application Complete Date:19/11/14	ALD Due Date:03/12/14 (10 b days from application complete date)	
Fill for minor amendment applications only where PaLM are processing end to end	ALD (as minor) Issue Date: Decision Due Date: 10 b days after ALD issue date) Decision Date:	
Application Checks		Cross for Yes
EA Take Effect Date:	EA Take Effect Date: ☐ Applicant has nominated take effect date if decision date is after the nominated date the decision date will be the take effect date) ☐ Applicant has nominated a take effect event and must give notification when the event has occurred Details of event: ☒ EA will take effect upon approval	

For all amendment applications	☒ Form completed, signed and dated Amount Paid \$4330.35 ☒ All attachments present Receipt No:4213200 ☒ Correct fee paid ☒ Receipt sent to client Date Paid:13/11/14 - Customer has over paid for a minor amendment. Once ALD is determined to be Minor - Assessment team will need to advice PaLM to have over patment refunded.
For all amendment applications	<p>“Environmental Impact assessment ” on application form - Administrative check to determine applicant has submitted:</p> ☐ a description of the environmental values likely to be affected by each relevant activity; and ☐ details of any emissions or releases likely to be generated by each relevant activity; and ☐ a description of the risk and likely magnitude of impacts on the environmental values; and ☐ details of the management practices proposed to be implemented to prevent or minimise adverse impacts; and ☐ details of how the land the subject of the application will be rehabilitated after each relevant activity ceases
	<p>“Waste management” on application form Administrative check to determine:</p> ☐ Applicant has indicated not applicable on application form ☐ Applicant has given description of the proposed measures for minimising and managing waste generated by the ERA activities
	<p>“Site Management Plan or Environmental Protection Order” Administrative check to determine:</p> ☐ Applicant has indicated there is no site management plan or environmental protection order on the application form ☐ Applicant has given details of the site management plan ☐ Applicant has given details of the environmental protection order
Validity Check	Cross for Yes
For all amendment applications	☐ Proposed amendment does not require a development application ☐ A development application has already been made ☐ Ticked No in sections 1 and 2 in the front checklist on the application form if ☒ to the above the application is invalid: Notice of Invalid Application Issue Date

☐ Regional Information and Filing☒ Regional - Action Required☐ PALM to File

AR #:AR066310
Assessment

Admin. Office: Government Organisations and Utilities

Project #: 337551

Posted to:Level 8 400 George

EA Application #:

Permit # EPPR00816213

Existing DA #.SPCE01417310

PaLM Coordinator:Chris

PaLM Processor:Mike Mullins

Client Ref:212438

3020 - Validation Checklist – Conversion of existing conditions of development approval to an EA

Application Details			
ERA No/s: Add: Bonnick Road, Gympie Lot 542 MCH801883 ERA 60 2e & 62			
Applicant Name:Gympie Regional Council			
Existing approval type:SPCE01417310 PR: 221737	☒ Development Permit	☐ Urban Development (UDA) Area Approval	☐ Priority Development Area (PDA) Approval
Application Dates			
Application Received:25/11/2014		Application requirements requested date:..28/11/2014 Response Due Date:11/12/2014	
Application Complete/Valid Date:01/12/2014		Development Approval date	
EA Take Effect Date	Tick which applies:	Required action for annual fee reallocation	
	☐ Applicant has nominated take effect date:	☐ Fund re-allocation spreadsheet updated with client details and take effect date	
	☐ Applicant has nominated a take effect event and must give notification when the event has occurred Details of event:	☐ Fund re-allocation spreadsheet updated with client details and take effect event ☐ High priority note has been put on application in Ecotrack to update fund reallocation spreadsheet where notice of event is received from the applicant	
	☒ EA will take affect upon approval, no future effective date or event has been nominated	☐ email sent to Debt Management for reallocation of funds to first invoice for annual fee	
Application Checks Cross for Yes			
Fill for all application types	Admin: ☒ Form completed, signed and dated		
	Registered Suitable Operator: ☒ All applicants are registered RSOs Where address details are different: ☐ Client record is linked to RSO ☐ Application for RSO Registration has been lodged previously ☐ Application for RSO Registration lodged with this conversion application ☐ approved ☐ to be forwarded for regional assessment ▪ Decision Due Date:		
	Existing RSO Ref #: 212438		
	SO Appn #		
	New RSO Ref #.		

*Environmental Protection Act 1994***Variation or amendment application**

This assessment report is for variation or amendment applications for environmental authorities for environmentally relevant activities under the Environmental Protection Act 1994.

Note: checkboxes disabled to allow use of track changes. Use 'insert symbol' to insert ticks or crosses as required.

PROJECT NAME:	
PRINCIPAL APPLICANT: Gympie Regional Council	
JOINT APPLICANTS: Nil	
AGENT/ SERVICE ADDRESS: PO Box 155, Gympie QLD 4570	
ERA DESCRIPTION: ERA 60 (23) Waste disposal of >20,000 to <50,000t/yr	
LOCATION DESCRIPTION: Bonnick Road, Gympie: Lot 542 on MCH801883	
TENURE DESCRIPTION:	
ECOTRACK PROJECT NO: 337551	ENVIRONMENTAL AUTHORITY NO: EPPR00816213
FILE NO: 101/0013128	

1. Type of application

- ☐ Variation application – change to standard conditions
- ☒ Amend an existing Environmental Authority¹
- ☐ Minor amendment – condition conversion →go to 2
- ☒ Minor amendment (threshold) →go to 3
- ☐ Major amendment →go to 3

¹ Applicants are excluded from applying to amend their EA if they triggered a material change of use under SPA (and therefore needed a development approval (DA)) and have not applied for their DA first.

2. Has the applicant signed written declaration that they can comply with eligibility criteria and standard conditions for the ERA to which the authority relates?

- ☒ Yes →go to 3
- ☐ No Have applicant complete the declaration, or
→go to 11 and recommend refusal

R

3. Is the application requesting amendment of a standard condition that requires the relevant activity comply with the relevant eligibility criteria?

☐ Yes → you may wish to give written refusal of the amendment application within 10 BD of its receipt and, where reasonable, consider whether a site-specific application should also be required under section 227A. In this instance, no further assessment or assessment level decision is necessary. If it is not reasonable to refuse the application and require a site specific application (e.g. where the eligibility criteria require that the activity does not have a sensitive receptor within 1km, and a sensitive receptor is subsequently established within 1k of the existing activity) the application may proceed as a major amendment.

☒ No

4. Background

Gympie Regional Council (GRC) currently operates ERA 60 Waste disposal at threshold (2e) (>20,000 - <50,000 t/yr) at Lot 542 on Bonnick Road, Gympie. The conditions for the operation of the waste disposal facility are contained in the previously approved development approval SPCE01417310 issued on 29th May 2012.

On the 1st December 2014 GRC made an application to EHP to convert all of the DA conditions to an EA, resulting in the transfer of the DA conditions to the new EA number EPPR008816213.

GRC also made an EA amendment application on the same day to make some changes to the conditions in the EA:

- Deletion of condition 1D1-2 (relating to (green waste mulching)
- Change of condition 1C3-1 (relating to the use of the landfill as a bioreactor)

GRC also requested the deletion of condition 2D1-2, which is for the set of conditions relating to ERA 62 Waste Transfer Station also contained in DA SPCE01417310. In accordance with Schedule 2 – Part 12 Waste management - Item 62 of the EP Regulation:

(3) The relevant activity does not include operating a waste transfer station on a site if an activity to which section 60 applies is carried out on the site.

Thus, the conditions for ERA 62 are not required to be transferred to the new EA and have purposefully been omitted in the amended version of EPPR00816213.

5. Assessment Level Decision (ALD) (amendment applications only - not condition conversion)

What is the assessment level decision?

☒ Minor (threshold)

☐ Major - Notice of ALD must be given to the applicant within 10 BD of making an ALD

Proposed deletion of condition 2D1-2 is also not considered to be a major amendment as any mulching activities to be carried out at this site must be conducted in compliance with any relevant EA conditions that apply to this site.

Changing the condition for the contents of a bioreactor management plan for this site is a minor amendment given that relevant model conditions for leachate management can be used to substitute this condition. The applicant reasons the change of the condition with the fact that the given landfill site is too small for the operation of a bioreactor and thus just a leachate management plan will be developed and implemented.

6. Documents submitted to support the application

- ☐ Rehabilitation Plan/Report (if removing an ERA) ☐ Post Closure Management Plan (if removing an ERA)
- ☐ Compliance statement (if removing an ERA) ☐ Declaration – Compliance with eligibility criteria (required for variation)
- ☐ Declaration stating activity was not carried out (if removing an ERA) ☐ Registered suitable operator number or application (required for variation)

7. Assessment

Are all the ERAs for the environmental authority eligible ERAs? (Variation Application only)

- ☐ Yes
- ☐ No – this application **must** be refused under s. 173 of the EP Act
- ☒ Not applicable

Describe the proposed variation or amendment

Condition No. (if applicable)	Details of proposed change to condition or EA	Applicant's justification for proposed change to condition or EA	Changes undertaken by the department as part of the amendment application
1C3-1	<p>A Management Plan detailing the successful operation of both the existing landfill and the landfill extension as a Bioreactor must be developed within 6 months from the effective date of this Development Approval. The management plan must include (but not necessarily be limited to) the following matters:</p> <ul style="list-style-type: none"> - goals to be achieved from operating the landfill as a bioreactor; - measures and procedures that will minimise the generation of leachate; - existing leachate quality for the parameters stated in Schedule 1C Table 2 - expected changes in leachate quality and quantity during the life of the landfill that demonstrates the landfill is effectively operating as a bioreactor; - expected changes in leachate quality and quantity that would suggest the landfill is not effectively operating as a bioreactor; 	<p>Council argues that <i>"the size of the landfill and the gas generation potential does not justify landfill gas utilisation with gas engine or any other system, therefore it would be pointless to increase the gas generation without being able to utilise it. In practice, Bonnick Road does not meet prerequisites to plan modern state of the art Bioreactor Landfill."</i></p>	<p>Replaced with ERA 60 model condition G12:</p> <p>Leachate and stormwater runoff which has been in contact with waste materials in the landfill unit, must be collected in the leachate storage facility and be:</p> <ol style="list-style-type: none"> 1. treated in the leachate treatment plant and discharged to sewer in accordance with the requirements of the relevant water utility; or 2. recirculated through waste disposed in the landfill unit; or 3. treated by alternative technologies agreed by the administering authority for offsite disposal, discharge, or on-site reuse; or 4. disposed of at a facility that is approved to receive such waste.

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- methods of leachate recycling that maximise the successful performance of the landfill as a bioreactor;
- circumstances where leachate must be removed from the site (quality or quantity)
- disposal and treatment options for leachate that must be removed from the site;
- general information about the capability of any external disposal or treatment facility that may receive leachate from the site, taking into consideration (among other things):
 - a) the treatment or disposal capability of the facility; and
 - b) any environmental discharges from the selected treatment or disposal facility to the environment, and whether receipt of leachate from the landfill will affect the performance of the facility, and / or cause harm to the receiving environment.
- a monitoring program for leachate quality being circulated within the landfill.

Schedule 1C Table 2 – Leachate quality parameters

Quality Characteristic
pH
Total Dissolved Salts (TDS)
Water Level
Temperature
Electrical Conductivity - EC
Ammonia
Total Nitrogen
Nitrate (NO ₃)
Ammonia (NH ₄)
Biological Oxygen Demand (BOD)
Heavy Metals (Al, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Sn, Sb, Se, Tl, Zn)
Total Organic Carbon (TOC)
Cations (Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺)
Anions (Cl ⁻ , CO ₃ , HCO ₃ ⁻ , SO ₄ ²⁻)
Total Organochlorines
Total Organophosphates
Organics (VOC, SVOC, TPH)
Total Organic Halogen (TOX)
Alkalinity (CaCO ₃)

	Chemical Oxygen Demand (COD)		
	Total Dissolved Salts		
1D1-2	Mulching of green waste is not permitted at the site.	Recent noise modelling undertaken by GRC predicted that green waste mulching would not contribute to noise emissions from the activity location beyond the approved noise limits when implementing relevant acoustic engineering mitigation measures.	Condition deleted – GRC need to comply with noise limits stated in the EA which have not been changed as part of this amendment application.
The following conditions were not specifically requested to be changed by GCR as part of the amendment application, however, given the change to condition 1C3-1 the changes to other conditions are necessitated:			
1C3-2	The management plan required by Condition (1C3-1) must be incorporated into the Site Based Management Plan required by Condition (1A12-1)	N/A	The leachate management required in Condition (1C3-1) must be incorporated into the Site Based Management Plan required by Condition (1A12-1)
1C3-4	The management plan required by Condition (1C3-1) must be submitted to the administering authority within 7 months of the effective date of this Development approval.	N/A	Condition deleted as it is no longer relevant (no longer requirement for a management plan as such) and out of date (the approval was signed off in 2012).
	All conditions containing the term “development approval”	Replacement of “development approval” with “environmental authority”	The term “development approval” is obsolete and “environmental authority” is the correct legislative term for this type of licence in accordance with the EP Act.

Environmental values and associated impacts relevant to the change

Variation applications and major amendments to existing environmental authorities **must** be assessed against any regulatory requirements relevant to the amendment/variation.

- a)** List ALL the **Environmental risks, proposed discharges or emissions** as a result of the amendment/variation and highlight the level of risk (cumulative/widespread/irreversible)

[This information must be provided by the applicant. Technical Guides are on the Business and Industry Portal, www.business.qld.gov.au can provide further information]

Potential increases in noise levels from green waste mulching on site will be mitigated with relevant noise mitigation measures to ensure compliance with noise limits as per the EA.

Potential changes to groundwater quality will be minimised by ensuring that leachate will be managed in accordance with the ERA60 model condition relating to leachate management.

b) What are the **Environmental values** that may be affected by the identified risks/discharges? This **must** be considered as per **section 51 of the Environmental Protection Regulation 2008 (EP Reg)**. Any **Quality Objectives** in a relevant EPP **must** also be considered.

[This information must be provided by the applicant. Officers can also use sources such as the environmental protection policies, technical guides on the Business and Industry Portal, www.business.qld.gov.au and on Ecomaps.]

The acoustic environment will need to be protected by the requested change (allowing mulching of green waste on site) as well as the local groundwater quality by ensuring effective leachate management on site.

c) Have **mitigation measures** been proposed and has an acceptable level of impact been determined if discharges/emissions are unavoidable?

Has the applicant addressed any applicable **management hierarchy**? E.g. emissions, contamination and generation of waste must be avoided first. **Must be considered as per Section 51 of the EP Reg.**

Does the application reflect the **management intent** detailed in the appropriate **EPP** for the values? **Must be considered as per Section 51 of the EP Reg.**

Does the application meet the **environmental objectives and performance outcomes** in Schedule 5, Part 3 Table 1 of the EP Reg? **This assessment MUST be done as per section 51 of the EP Reg.**

[Management objectives for the environmental values must be considered as per section 51 of the EP Reg in determining an acceptable level of impact, refer to relevant EPPs and other publications.]

*Environmental Values **MUST** be protected*

Performance could be:

No release

Limits prescribed

Monitoring schedule

Contingency measures

Buffers

Acceptable footprint

Rehabilitation

Offsets

Gympie Regional Council will implement noise mitigating measures when mulching green waste to ensure compliance with noise limits as per the EA condition 1D1-5 and the associated Table 1 – (Noise Levels).

The replacement of the original condition prescribing the development of a management plan for the use of the landfill as a bioreactor has been replaced with a model condition providing options for leachate management, thus achieving the same environmental protection and outcome.

Standard Criteria

Assessing officers **must** consider the standard criteria before making a recommendation.

Have you considered the Standard Criteria? ☒ Yes

[refer to the department's guideline Assessment requirements for making a decision for an environmental authority or development approval for an environmentally relevant activity, EM1127, for guidance on how to consider the standard criteria]

The mulching of green waste is not likely to have any negative impacts on any of the standard criteria and given that the applicant can comply with the eligibility criteria (and EA conditions, especially those limiting noise emissions) for this ERA, the department

does not consider that there are any residual environmental impacts from the infrastructure upgrade.

The condition relating to the use of the landfill as a bioreactor has been changed to a model condition relating to leachate management and thus this change is not likely to have any negative impacts on any of the standard criteria and given that the applicant can comply with the eligibility criteria for this ERA, the department does not consider that there are any residual environmental impacts from the infrastructure upgrade.

8. Other assessment considerations

EIS process and public notification requirements compliant?	☐ Yes ☐ No – EA amendment cannot be granted ☒ Not applicable
Public Notification requirements in Division 2 complied with? Or substantially complied with?	☐ Yes ☐ No – EA amendment cannot be granted ☒ Not applicable
Copy of approval has been sent to: psd.help@qld.gov.au <If this decision includes a monitoring program for a new discharge to waters OR to an amendment of an existing monitoring program of a release to waters, the administrators of the WaTERS database must be notified>	☐ Yes ☒ Not applicable
Applicant is a registered suitable operator?	☒ Yes ☐ No – Variation application must be refused ☐ Not applicable

9. Consultations

The assessing officer for this amendment application consulted with Paul Butcher from the EHP regional office for compliance in Maroochydore to discuss the amendment application. Due to previous noise complaints from nearby sensitive receptors it was determined to keep certain noise conditions (and relevant figures/maps), which apply to ERA62 also being conducted on the site of the landfilling activities, in the EA (despite this ERA not requiring to be conditioned when conducted on the same site to which ERA60 applies) as these conditions contain prescriptive criteria relating to engineered noise mitigation measures on site that the department considers important to keep in the EA. The main reason for this is to ensure if there are any potential future noise nuisance issues pertaining to this site may be preventable by the operator of this site complying with these site-specific conditions.

(2D1-4) **Scrap metal collection** must only occur inside the Transfer Station structure.

(2D1-5) Vehicle movements within the approved premises must be actively and passively managed to regulate speeds to 40km/hr or less along internal roads. Measures used to achieve compliance with this condition must not include speed bumps, and should otherwise provide for steady vehicle movements along access and exit roads.

(2D1-6) The roof and walls of the Transfer Station (excluding lower concrete sections to 2.5m) must be constructed of, and / or lined with material that achieves a **Noise Reduction Coefficient** of at least 0.92, and an Rw

rating of 39 (for the roof) and an R_w rating of 31 (for walls excluding lower concrete sections to 2.5m).

- (2D1-7) The roof and walls of the Transfer Station must be constructed to ensure open gaps are prevented, with the exception for necessary ventilation requirements, which must be acoustically designed (eg using acoustic louvres) to minimise noise emanating from the Transfer Station structure.
- (2D1-8) Acoustic barriers must;
- be installed around any waste truck loading area, as per Schedule 1H Figure 2;
 - be installed to a height of at least 5.0m extending from the designed roller doors at the North Western and North Eastern corner of the Transfer Station, as per Schedule 1H Figure 2;
 - be installed to a height of 2.4m at the Bonnick Road Boundary, as per Schedule 1H Figure 3;
 - be continuous with no air gaps and be constructed of material with a minimum mass density of at least 12kg/m^2 or achieve an R_w of at least 20
- (2D1-9) Prior to the commissioning of the Transfer Station, the facility must be physically assessed by a person with appropriate noise mitigation qualifications and experience, verifying by way of a written report, that measures required to comply with conditions (2D1-6) through (2D1-8) have been installed.
- (2D1-10) A copy of the written report required by Condition (2D1-9) of this Environmental authority must be provided to the Administering Authority prior to the commissioning of the Transfer Station.

Figure 2 – Acoustic Barriers – Transfer Station structure

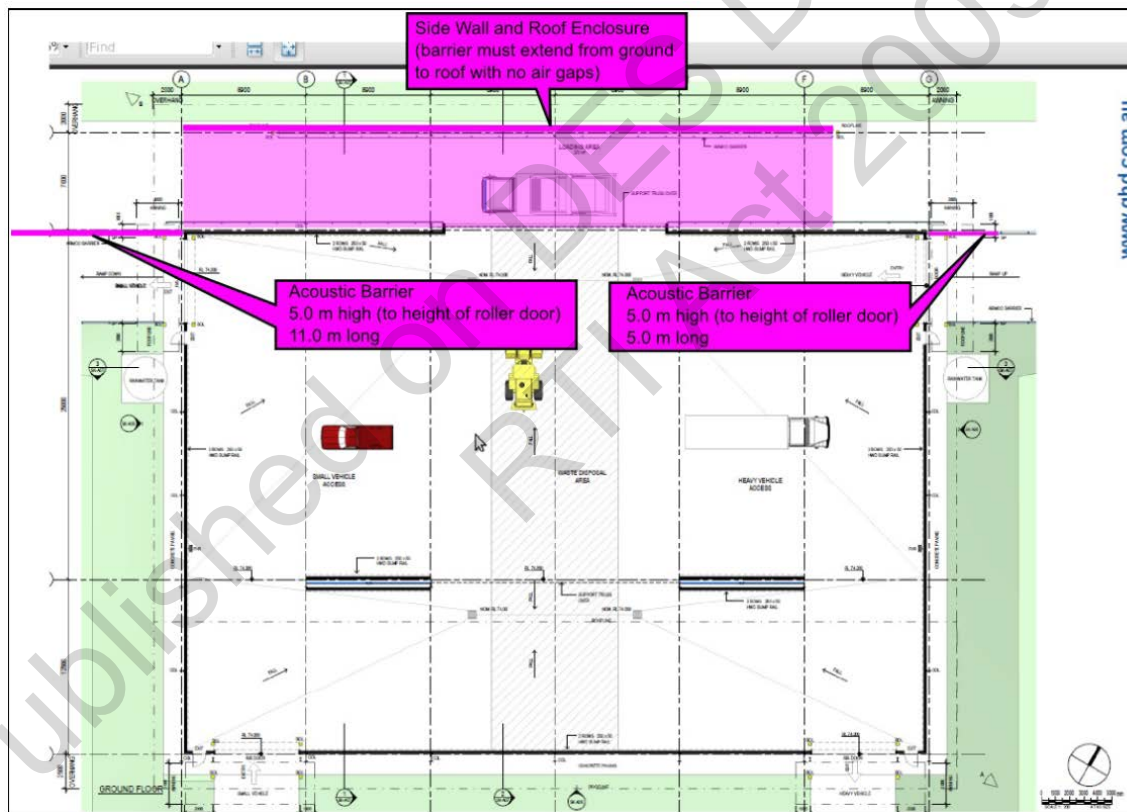
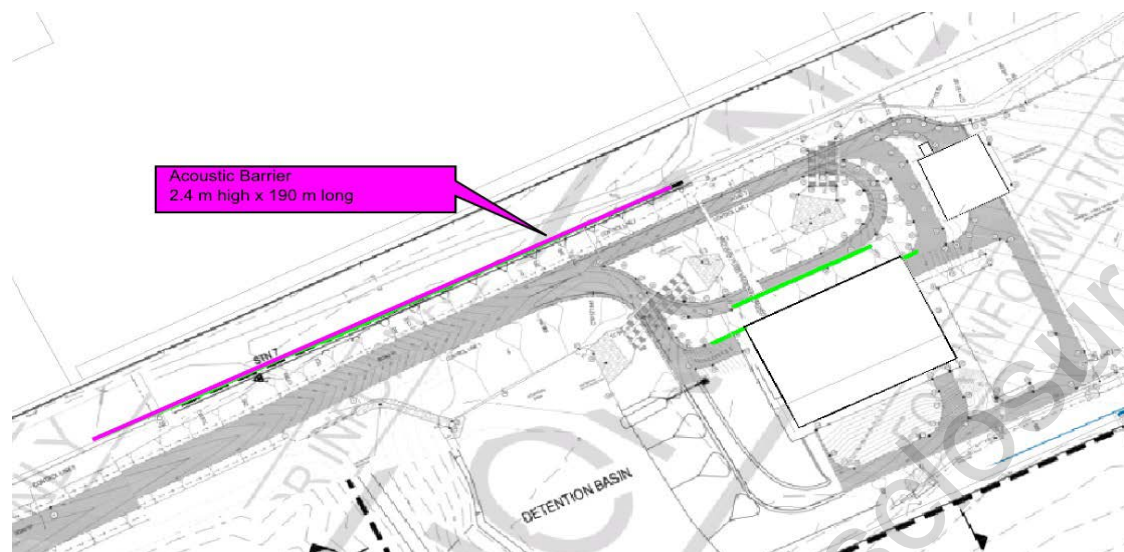


Figure 3 – Acoustic Barrier – Bonnick Road



10. Summary

Removal of condition 1D-2 "Mulching of greenwaste is not permitted at the site" and changes to the condition 1C3-1 from "Landfill as a Bioreactor Investigation" to ERA60 model condition G12 relating to leachate management.

Any conditions placed on the EA are necessary or desirable ☒ Yes

11. Recommendation

Complete part (a) or (b) and check the 'approve' or 'refuse' check box.

(a)	If your recommendation is to approve, complete the following:	
	<ul style="list-style-type: none"> Send decision notice and amended EA to applicant within 5 BDs of decision Will the newly amended EA have a <u>higher</u> annual fee than that of the previous (un-amended) EA? If Yes, <ol style="list-style-type: none"> email a copy of this signed decision notice to Permit and Licence Management on palm@ehp.qld.gov.au so they are aware an application shortfall is payable; and include the following in the decision notice <ol style="list-style-type: none"> Application fee shortfall The administering authority has determined that there is a shortfall in the amendment application fee. The shortfall has been calculated in accordance with s. 135 of the Environmental Protection Regulation 2008. 	<p>APPROVE ☒</p>

	<p>The shortfall to be paid is \$<INSERT amount>.</p> <p>The shortfall must be paid within 20 business days of the date of this notice.</p> <p>Please call Permit and Licence Management on 13QGOV (13 74 68) and quote your reference number to pay the application fee shortfall.</p> <p>iii. Send factsheet titled 'Changes to the Environmental Protection Regulation 2008 - Increase to some application fees' (EM1307) with decision notice and amended EA to client.</p>	
	<p><i>Note: The fee for a major amendment is \$285.60 plus 30% of the annual fee for the existing (current) authority subject to the application. An application fee shortfall is payable if the amended EA results in an annual fee being payable that is higher than the annual fee for the previously amended EA. The shortfall is calculated based on the following: Shortfall = 30% of the new annual fee - 30% of the previous annual fee.</i></p> <p><i>Ignore changes in fees due to indexation and base fees on the fee unit at the time the application was made.</i></p>	
	<ul style="list-style-type: none"> Will the newly amended EA have a <u>lower</u> annual fee than that of the previous (un-amended) EA? If Yes, <ul style="list-style-type: none"> i. email a copy of this signed decision notice to Permit and Licence Management on palm@ehp.qld.gov.au so they are aware an application refund is payable; and ii. include the following in the decision notice. <p>1. Refunding overpayment of application fee</p> <p>The administering authority has determined that your amendment has resulted in an overpayment of amendment application fee. The overpayment has been calculated in accordance with s.136 of the Environmental Protection Regulation 2008.</p> <p>The overpayment to be refunded is \$<INSERT amount>.</p> <p>The administering authority will contact you regarding this refund however if you have any questions please call Permit and Licence Management on 13QGOV (13 74 68) and quote your reference number.</p> iii. Send factsheet titled 'Changes to the Environmental Protection Regulation 2008 - Increase to some application fees' (EM1307) with decision notice and amended EA to client. 	<p>APPROVE</p> <p>☐</p>
	<p><i>Note: The fee for a major amendment is \$285.60 plus 30% of the annual fee for the existing (current) authority subject to the application. Refunding an overpayment is required when the amended EA results in an annual fee being payable that is lower than the annual fee for the previously amended EA. The overpayment is calculated based on the following: Overpayment (to be refunded) = 30% of the previous annual fee - 30% of the new annual fee.</i></p> <p><i>Ignore changes in fees due to indexation and base fees on the fee unit at the time the application was made.</i></p>	
<p>(b)</p>	<p>If your recommendation is to refuse, provide statement of reasons.</p>	

	<Insert statement of reasons if recommending refusal>	
	<ul style="list-style-type: none"> • Send Decision Notice to applicant within 5 BDs of decision 	
	<p>You should only consider refusing an application if one or more of the following apply:</p> <ul style="list-style-type: none"> • MUST refuse if a wetland will be destroyed or reduced in size or its biological integrity may not be maintained as a result of a release of water or waste from the activity; • MUST refuse if waste is not released entirely within a confined aquifer (except for petroleum activities); • MUST refuse if waste directly released to groundwater is or may adversely affect a surface ecological system or will result in deterioration of environmental values of the groundwater; • If the application is for a condition conversion and the applicant cannot meet the eligibility criteria or comply with any of the standard conditions. • May refuse where an EA has been issued with standard conditions and an application is made to amend the condition that requires the activity to comply with the relevant eligibility criteria. <p>In addition, section 227A allows a site specific application to be required so that the EA can be assessed and conditioned as a site-specific application would be. A notice must first be given allowing the applicant to make written representations about the proposal to require a site-specific application.</p> <p>If the amendment application is about a proposed change to the condition requiring compliance with the eligibility criteria, and the holder can continue to comply with the eligibility criteria if the amendment is not made, then the amendment application can be refused without a requirement for the holder to make a site-specific application for a new environmental authority.</p> <ul style="list-style-type: none"> • Following a request for further information, the applicant has still not provided enough information to allow you to comply with the regulatory requirements For example, the applicant has not provided any information to demonstrate how they meet the relevant environmental objectives in Schedule 5 of the Regulation; • The information you have considered shows that it is not possible to conduct the activity without causing unacceptable serious or material environmental harm or unacceptable impact on environmental values. For example, the application involves the destruction of habitat for an 	<p>REFUSE</p> <p>☐</p>

	endangered species and offsets are not appropriate or possible or the activity cannot be conducted without contaminating large areas of land with persistent organic pollutants. These circumstances will be rare but still possible.	
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Assessing Officer: Andrea Schmitt

Position: Principal Environmental Officer

Signed:

Date: 27/01/2015

12. Review and endorsement

Approval

I approve the recommendation based on the reasons stated in this report.		
Chris Mooney		
Delegate	Signed	Date

Environmental Protection Act 1994**Amendment application - assessment level decision and public notice**

This checklist is to be used to decide whether a proposed amendment to an environmental authority is a major or minor amendment (the assessment level decision) as required under section 228 of the Environmental Protection Act 1994. If a major amendment, this checklist is also used to determine whether public notice is required under sections 230, 233 or 152 of that Act.

1. APPLICATION DETAILS

EA NO:	EPPR00816213	Project No:	337551
Applicant:	Gympie Regional Council	File No:	101/0013128
Tenure:		Received Date:	01/12/2014
Project Name:		Checklist Due:	15/12/2014
Amendment Application Description:	<p>Minor amendment of an environmental authority, for ERA60 - waste disposal for 20,000-50,000t/year, to change conditions:</p> <p>1) Deletion of conditions:</p> <p>1D1-1: relating to noise must not cause an environmental nuisance;</p> <p>1D1-2: mulching of green waste is not permitted at the site;</p> <p>2) change of a condition:</p> <p>1C3-1: detailing a management plan for the operation of the landfill as a bioreactor</p> <p>Regarding the deletion of noise condition 1D1-1 - this is not perceived as a major change to the EA as other noise conditions adequately cover the issue of noise emissions (and limits thereof) at nuisance sensitive places.</p> <p>Proposed deletion of condition 1D1-2 is also not considered to be a major amendment as any mulching activities to be carried out at this site must be conducted in compliance with any relevant EA conditions that apply to this site.</p> <p>Changing the condition for the contents of a bioreactor management plan for this site is a minor amendment given that relevant model conditions for leachate management can be used to substitute this condition. The applicant reasons the change of the condition with the fact that the given landfill site is too small for the operation of a bioreactor and thus just a leachate management plan will be developed and implemented.</p>		

2. ASSESSMENT CONSIDERATIONS

An assessment level decision must be made within 10 business days from receipt of the amendment application (section 228). This decision determines whether the proposed amendment is low risk and involves straightforward changes to the environmental authority (EA) or whether the activities proposed are likely to lead to a significant increase in the scale, intensity, level of environmental harm or impact. When completing

the assessments considerations table in part two of this checklist, please refer to guideline 'major and minor amendments' EM959 for guidance on minor and major assessment considerations.

Consideration The amendment application:	Yes / No	Justification (if required)
(a) is not a change to a condition identified in the EA as a standard condition?	Yes	the requested amendment is to delete two site specific conditions from the current EA and make changes to another condition that will effectively be more in line with ERA 60 model conditions post-amendment
(b) does not significantly increase the level of environmental harm caused by the relevant activity?	Yes	The proposed changes to conditions in the EA do not effectively increase the level of environmental harm as compliance with other EA conditions still needs to occur
(c) does not change any rehabilitation objectives stated in the EA in a way likely to result in significantly different impacts on environmental values than the impacts previously permitted under the EA?	Yes	none of the proposed changes to current conditions relate to rehabilitation objectives in the EA
(d) does not significantly increase the scale or intensity of the relevant activity?	Yes	The scale or intensity of the relevant activity will not be impacted upon by the proposed changes of EA conditions, as the amount of green waste to be processed on site is less than 10% of the allowable waste acceptance threshold and the change to a more general condition on leachate management does not allow for an increase in waste acceptance volume on site
(e) does not relate to a new relevant resource tenure for the authority that is (i) a new mining lease? or (ii) a new petroleum lease? or (iii) a new geothermal lease under the Geothermal Energy Act? or (iv) a new GHG injection and storage lease under the GHG storage Act?	Yes	The changes of EA conditions do not relate to a new resource tenure
(f) involves an addition to the surface area for the relevant activity of no more than 10% of the existing area?	Yes	The surface area of the existing ERA area will not increase - the footprint for the activity will stay the same
(g) for an environmental authority for a petroleum activity, involves (i) constructing a new pipeline—the new pipeline does not exceed 150km? or (ii) extending an existing pipeline—the extension does not exceed 10% of the	Yes	The amendment is not for an EA involving a petroleum activity

existing length of the pipeline?		
(h) relates to a new relevant resource tenure for the authority that is an exploration permit or GHG permit—and the amendment application under section 224 seeks an amended environmental authority that is subject to the standard conditions for the relevant activity or authority, to the extent it relates to the permit?	Yes	The amendment is not for an exploration permit or GHG permit

Recommendation – major or minor amendment		
Complete part (a) or (b) and check the Minor or Major check box.		
(a)	If all the 'Yes' boxes are marked, the application is a minor amendment. Complete the following:	
	<ul style="list-style-type: none"> Has the application been entered as a minor amendment in Ecotrack? If no, please email a copy of this signed checklist to Permit and Licence Management on palm@ehp.qld.gov.au to ensure Ecotrack is updated and a partial refund of application fee can be made. <p>1. Application fee</p> <p>The administering authority has determined that the proposed amendment application is a minor amendment. You paid a major amendment application fee, therefore an amount of \$0 will be refunded to you by the administering authority.</p>	MINOR ☒
	<ul style="list-style-type: none"> Send ALD Notice to applicant in accordance with s229 within 10 business days 	
	<ul style="list-style-type: none"> Proceed to decide whether to grant or refuse the application 	
	<p><i>Note: The fee for an application for a minor amendment is \$285.60. However, if the applicant has paid the major amendment fee, which is \$285.60 plus 30% of the annual fee for the existing (current) authority subject to the application, the administering authority is required to refund the applicant the 30% of the annual fee for the existing (current) authority).</i></p>	
(b)	If any of the 'No' boxes are marked, the application is a major amendment with issues likely to lead to a significant increase in the scale, intensity, level of environmental harm or impact. Completed the following:	

	<ul style="list-style-type: none"> Has the application been entered as a major amendment in Ecotrack? If no, please email a copy of this signed checklist to Permit and Licence Management on palm@ehp.qld.gov.au to ensure Ecotrack is updated and they are aware further fees are required to be paid. <p>1. Application fee</p> <p>The administering authority has determined that the proposed amendment to the environmental authority is a major amendment therefore further fees for the assessment of this application are required to be paid to the administering authority.</p> <p>The fee for an application for a major amendment is \$285.60 plus 30% of the annual fee prescribed under schedule 10, part 2, section 7 of the Environmental Protection Regulations 2008.</p> <p>The remaining fee to be paid is \$NIL</p> <p>Please call Permit and Licence Management on 13QGOV (13 74 68) and quote your reference number to pay your outstanding fee. Failure to pay the outstanding fees before the decision date of this amendment application may result in your application being refused.</p> <p><i>Note : The fee for an application for a major amendment is \$285.60 plus 30% of the annual fee for the existing (current) authority subject to the application. If the applicant has only paid the minor amendment fee which is \$285.60, the applicant is required to pay an additional amount equal to 30% of the annual fee for the existing (current) authority subject to the application.</i></p>	<p>MAJOR ☐</p>
	<ul style="list-style-type: none"> Proceed to the public notification consideration (Section 3) 	

3. PUBLIC NOTIFICATION CONSIDERATION – MAJOR AMENDMENTS

There are a number of different public notification processes that apply for a major amendment under the *Environmental Protection Act 1994*. Mark the relevant box and complete the relevant section:

- | | |
|---|--|
| i) Public notice of a major amendment for a resources activity, other than a mining activity. | ☐ Complete section 3A |
| ii) Public notice of a major amendment for a mining activity, authorised under a mining lease, and there is no certificate of public notice under the <i>Mineral Resources Act 1989</i> (Section 252A). | ☐ Complete section 3B |
| iii) Public notice of a major amendment for a mining activity, authorised under a mining lease, and there is a certificate of public notice under the <i>Mineral Resources Act 1989</i> (Section 252A). | ☐ Complete section 3B |
| iv) None of the above | ☐ Public notification not required. Sign |

and date checklist
and proceed to
information stage if
required.

3A. PUBLIC NOTIFICATION CONSIDERATION – RESOURCE ACTIVITY MAJOR AMENDMENTS ONLY (s230)

Where an amendment application has been decided to be a **major amendment**, public notification requirements may be triggered. Resource activities other than a mining activity may trigger public notification requirements where an activity is determined to involve a substantial increase in the risk of environmental harm and a substantial change in the quantity or quality or the results of the release of a quantity or quality of contaminant permitted to be released into the environment.

Consideration	Yes/ No / N/A	Justification (If Required)
There is likely to be a substantial increase in the risk of environmental harm under the amended EA (s230(2)(a)) <u>and</u> the risk is the result of a substantial change in the quantity or quality of contaminant permitted to be released into the environment (s230(2)(b)(i)).	N/A	
There is likely to be a substantial increase in the risk of environmental harm under the amended EA (s230(2)(a)) <u>and</u> the risk is the result of a substantial change in the results of the release of a quantity or quality of contaminant permitted to be released into the environment (s230(2)(b)(ii)).	N/A	
<p><i>Without limiting the above items, the following is taken to be a substantial change:</i></p> <ul style="list-style-type: none"> - An increase of 10% or more in the quantity of a contaminant to be released into the environment - If the amendment application is for an environmental authority for a resource project, an amendment to add an ineligible ERA for the authority 		

Recommendation – public notification under s230

- ☒ If both considerations above are marked 'No' or "N/A", the application does not require public notification.
- ☐ If either of the considerations above are marked 'Yes', the application may require public notification.

Public Notification is not required ☒

- Send ALD Notice to applicant in accordance with s229 within 10 business days, stating the decision (i.e. a major amendment) and the reasons for the decision
- Proceed to information stage.

Public Notification is required ☐

- Send ALD Notice to applicant in accordance with s229 including public notification requirement (s230) and the reasons for the decision (s230(4)) within 10 business days after the ALD is made.
- Proceed to information and notification stages.

3B. PUBLIC NOTIFICATION – MINING ACTIVITY MAJOR AMENDMENTS ONLY (s233 OR s152)

Recommendation – Public Notification under s233 or s152

Public notification is required under s152 ☐

Public notification is required under s233 ☐

- Send ALD Notice to applicant in accordance with s229 within 10 business days, stating the decision (i.e. a major amendment) and the reasons for the decision.

Proceed to information and notification stages.

Assessing Officer	Reviewing Officer
Sign: _____ Date: _____ Name: Andrea Schmitt Position: Principal Environmental Officer	Sign: _____ Date: _____ Name: _____ Position: _____
Delegate	
Recommendation/s: APPROVED / NOT APPROVED Sign: _____ Date: _____ Name: Amanda Gray Position: A/Manager	

Subject: Conversion application – SPCE01417310

File: 101/0013128
Date: 30/01/15
Applicant name: Gympie Regional Council

Subject: Application from Gympie Regional Council to convert conditions from a DA to an EA

On 1st December 2014 the Department of Environment and Heritage Protection received two applications from Gympie Regional Council, one of which was an amendment application and the other an application for the conversion of conditions on development approval SPCE01417310 to environmental authority EPPR00816213. The amendment application has been approved and the relevant documentation (Assessment report for an amendment) has been uploaded to eDocs (item #3354202).

The conversion application however is dealt with in form of this file note as there is no departmental decision notice available or any checklists or assessment report specifically designed for conversion applications.

To process the conversion application all conditions from the DA were transferred to the EA prior to the amendment assessment process. The conversion therefore was more a formality resulting in the creation of a new EA number on ecotrack to accommodate for the request of the client.

Once the amendment application is approved the DA is to be superseded on ecotrack (project 337551) thus concluding the conversion application. The approval of the conversion application is mentioned on the Decision Notice to the client also informing of the amendment approval.

Author: Andrea Schmitt
Position: Principal Environmental Officer
Unit/Office: Government Organisations and Utilities, Environmental Services & Regulation

To: Gympie Regional Council
PO Box 155
GYMPIE QLD 4570

Email: council@gympie.qld.gov.au

Your reference: EPPR00816213
Our reference: 337551

Application details

I refer to the application that was received by the administering authority on 01-DEC-2014.

Land description: Snapper Creek Road TIN CAN BAY QLD 4580 Lot 58 Plan MCH3705; Balkin Street GUNALDA QLD 4570 Lot 141 Plan MCH4318; Kurrawa Drive RAINBOW BEACH QLD 4581 Lot 3 Plan USL37851; Bonnick Road GYMPIE QLD 4570 Lot 542 Plan MCH801883; Glastonbury Road GYMPIE QLD 4570 Lot 75 Plan LX1808, Lot 76 Plan LX1808; Kandanga Imbil Road IMBIL QLD 4570 Lot 87 Plan LX2669; Burnett Highway GOOMERI QLD 4601 Lot 108 Plan FY772; McKewan Road KILKIVAN QLD 4600 Lot 330 Plan W39796; Bayside Road TIN CAN BAY QLD 4580 Lot 2 Plan SP238517

Decision

Your application to convert conditions from environmental authority SPCE01417310 to an environmental authority (EA), as well as the amendment of the same EA has been approved and your updated EA (reference EPPR00816213) is attached.

Should you have any further enquiries, please contact Andrea Schmitt on telephone 1300 130 372

Yours sincerely

CTPI 49-Sch4-Signature

Signature

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

Enclosed

Permit - environmental authority (reference EPPR00816213)

Department of Environment and Heritage Protection

Permit¹

Environmental Protection Act 1994

Environmental authority

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

Permit¹ number: EPPR00816213

Environmental authority EPPR00816213 takes effect 5th February 2015

The anniversary date of this environmental authority remains 30th June each year.

Environmental authority holder(s)

Name

Registered address

Gympie Regional Council

242 Mary Street
GYMPIE QLD 4570

Environmentally relevant activity and location details

Environmentally relevant activity(ies)

Location(s)

60-(2a) Waste disposal >50t but <2000t yr

Lot 330 on W39796 - McKewan Road KILKIVAN
QLD 4600

Lot 108 Plan FY772 - Burnett Highway GOOMERI
QLD 4601

Lots 75 and 76 on LX 1808 - Glastonbury Road,
GYMPIE QLD 4570

Lot 87 on LX 2669 - Kandanga Imbil Road IMBIL
QLD 4570

Lot 58 on MCH 3705 - Snapper Creek Road TIN
CAN BAY QLD 4580

Lot 3 on USL 37851 – Kurrawa Drive RAINBOW
BEACH QLD 4581

Lot 141 on Plan MCH4318 – Balkin Street,
GUNALDA QLD 4570

60-(2e) Waste disposal >20,000t but <50,000t yr

Lot 542 on MCH 801883 - Bonnick Road GYMPIE

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

Environmental authorit

QLD 4570

ERA 62 Waste transfer station operation - operating, Lot 2 on Plan SP238517 - Bayside Road, TIN CAN
 on a commercial basis or in the course of carrying on a BAY QLD 4580
 commercial enterprise, a waste transfer station that
 receives a total quantity of at least 30t or 30m³ of
 waste on any day

Additional information for applicants

Environmentally relevant activities

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

An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.

CTPI 49-Sch4-Signature

Signature

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

Enquiries:

Andrea Schmitt
 Government Organisations and Utilities
 Assessment
 Department of Environment and Heritage
 Protection
 GPO Box 2454
 BRISBANE QLD 4001
 Phone: 1300 130 372
 07 3330 6037
 Email: andrea.schmitt@ehp.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

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

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

Conditions of environmental authority

PART 1

Environmentally relevant activity(ies)

Location(s)

60-(2a) Waste disposal >50t but <2000t yr

Lot 330 on W39796 - McKewan Road KILKIVAN
QLD 4600

Lot 108 Plan FY772 - Burnett Highway GOOMERI
QLD 4601

Schedule A - Activity

Prevent and /or minimise likelihood of environmental harm

In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

The holder must:

Environmental authority

install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
maintain such measures, plant and equipment in a proper and efficient condition; and
operate such measures, plant and equipment in a proper and efficient manner.

Integrated Environmental Management System (IEMS)

Prior to the commencement of any environmentally relevant activity ('the activities') under this environmental authority, the holder of this environmental authority must

develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
implement and maintain the IEMS from the commencement of carrying out the activities

The IEMS must provide for at least the following functions:

Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:

The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and

Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and

Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and

Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and

Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and

Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;

Obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or environmental authorities; and

Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;

Conducting assessment of the environmental impact of any release of contaminants into the environment:

Periodic conduct of energy audits (appropriate to the scale of the activities) and review of environmental performance and procedures adopted, not less frequently than yearly; and

Waste prevention, treatment and disposal; and

A program for continuous improvement.

The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Records

Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format

Records must be kept for five years, and must include the following information

date of pickup of waste;
description of waste;
cross reference to relevant waste transport documentation;
quantity of waste;
origin of the waste;
destination of the waste: and
intended fate of the waste, for example, type of waste treatment, reprocessing or disposal.

NOTE: Records of documents maintained in compliance with a waste tracking system established under the Environmental Protection Act 1994 or any other law for regulated waste will be deemed to satisfy this condition.

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Nuisance

The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

Dust nuisance

The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place.

Exceedance of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition B2-1.

Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991: AND

A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the licensed place, when monitored in accordance with:

Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method'; or
any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must include:

for a complaint alleging dust nuisance, dust deposition; and

for a complaint alleging adverse health effects caused by dust, the concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time.

must be carried out a place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Stormwater management

There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.

END OF CONDITIONS FOR SCHEDULE C

Schedule D - Noise and vibration

Noise nuisance

Noise from activities must not cause an environmental nuisance at any noise sensitive place or any commercial place.

In the event of a complaint about noise nuisance to the Administering Authority in writing, that the Administering Authority considers is not frivolous or vexatious then a noise management plan is to be developed that will adequately address any such emission of noise that constitutes annoyance.

In the event of a complaint in accordance with condition (D1-2), and at the request of the Administering Authority, the holder of this authority must, within one (1) month, develop a noise management plan. The noise management plan must address at least, but not be limited to, the following matters:

- identification of component noise sources and activities at the place(s) which impact on noise sensitive areas;
- the measured and/or predicted level of these noise sources and activities at noise sensitive places;
- (iii) the control or abatement measures that can be undertaken to reduce identified intrusive noise sources;
 - the level of noise at noise sensitive places that would be achieved from implementing these measures.
- the handling of future noise complaints;
- (vi) community liaison and consultation; and
 - training of staff in noise management practices.

Upon the completion of the noise management plan it must be submitted to the Administering Authority within 14 days for its review and comment.

After the Administering Authority has provided comment on the noise management plan, the holder of this authority must implement the plan as soon as practicable.

Noise monitoring

When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:

- LA, max adj, T
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;
- effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Waste

Waste handling

All regulated waste removed from the licensed place must be removed by a person who holds a current authority to transport such waste under the provisions of the *Environmental Protection Act*

Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this integrated authority.

The holder of this integrated authority must not:

- allow waste to burn or be burned at or on the licensed place; nor
- remove waste from the licensed place and burn such waste elsewhere.

(This condition does not apply to the material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm and this condition does not refer to activities carried out under the provisions of the Fire Services Act 1990.)

Off Site Movement

Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this integrated authority), the holder of this integrated authority must monitor and keep records of the following:

- the date, quantity and type of waste removed;
- name of the waste transporter and/or disposal operator that removed the waste; and
- the intended treatment/disposal destination of the waste.

Waste Acceptance and Operating Criteria

(E3-1) This environmental authority permits only the following wastes to be disposed of at the places licensed to receive waste by this environmental authority:

- domestic waste;
- commercial waste;
- domestic clean-up waste;
- construction or demolition waste;
- industrial waste;
- garden wastes;
- putrescible wastes;
- lid inert wastes;

limited regulated waste may be disposed of in the general waste stream provided the quantity of limited regulated waste received at the facility in a year is not more than 10% of the total waste received at the facility in any calendar year.

NOTES:

- (a) wet cell batteries and waste oil may be accepted and temporarily stored at the licensed place for recycling purposes.
- (b) drums containing any residual regulated waste are a regulated waste unless effectively cleaned in accordance with Operational Policy 'Determinations for management of regulated wastes'.
- (c) definitions of domestic, commercial, domestic clean-up, construction or demolition, industrial, garden, and regulated wastes are in Section 12 of the Environmental Protection (Waste Management) Regulation 2000)

The following conditions must be complied with in temporary storage of Regulated Waste

(i) Waste Batteries

Used wet cell batteries must only be stored at the waste disposal facility for a period of up to one (1) month and must be stacked in an upright position and stored in an area designated for this purpose.

Where storage of waste batteries is to occur for periods of longer than one (1) month they must be stored in a covered enclosure which has been bunded to contain spillage's and leakages.

(ii) Waste Oil

Waste oil must be temporarily stored in receptacle(s) at the waste disposal facility, and the receptacle(s) must :

- be stored in an area which is bunded to contain spillages and leakages;

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have closures in place to prevent rainwater entry and spillage (if knocked over); and have a filling mechanism which prevents rainwater entry.

(iii) Bunding

Where it is impractical to completely roof a bunded area, the holder of this environmental authority must ensure that all spilled materials in bunded areas are cleaned-up as soon as practicable.

(iv) Tyres

Used tyres temporarily stored at the waste disposal facility must be stockpiled:

- in a designated area;
- with no more than 500 passenger tyre equivalents in whole or equivalent parts at any one time

Limited regulated waste disposed of at the landfill must only be in a solid form.

Where limited regulated waste is to be interred in a waste disposal cell that is not lined with an impermeable liner material the limited regulated waste must comply with the waste acceptance criteria in schedule E – Table 1

Schedule E - Table 1.
Waste Acceptance Criteria - Unlined Waste Disposal Cells

Contaminant	Maximum contaminant level in solid waste	Maximum contaminant leaching level
		m
Antimony		0
Arsenic		0
Barium		1
Cadmium		0.1
Chromium		0
Cobalt		0
Copper		1
Lead		0
Mercury		0.1
Molybdenum		0
Nickel		0
Selenium		0
Silver		0
Thallium		0
Tin		0
Vanadium		0
Zinc		5
Bromide		
Chloride		
Cyanide		
Fluoride		
Sulphate		
Nitrate		
Total organic carbon		10000
Benzene		
Ethylbenzene		
Toluene		
Xylenes		
Total Monocyclic aromatic hydrocarbons		
Anthracene		

Contaminant	Maximum contaminant level in solid waste	Maximum contaminant eaching level m L
Benz (a anthracene		0.005
Benz c phenanthrene		0.005
Benzo a rene		0.002
Benzo b fluoranthene		0.005
Benzo k fluoranthene		0.005
Chr sene		0.
Dibenz a.h anthracene		0.002
Dib		0.
Dim		0.005
Fluoranthene		0.
Ind		0.
Napthalene		0.
Phenanthrene		0.
P rene		0.
Total pol c clic aromatic h drocarbons PAH)		0
Phenol		1
m-cresol		2
o-cresol		2
-creso		2
Tot		
Chloro henol		
Trichlorophenol		
Pen		
Total halo enated henol		
Carbon tetrachloride		
1,2 Dichloroethane		
1,1 Dichloroethene		0.003
Tetrachloroethene		
Trichloroethene		
Tot		
Chlorobenzene		
Hexachlorobenzene		0.002
Tot		
Aldrin		
Chlordane		0.006
Chlorp rifos		
Dieldrin		
DD		0.003
Endrin		0.001
Hep		0.003
Lindane		
Methox chlor		
Toxaphene		0.005
Total or anochlorine esticides		
2,4-D		
2,4-DB		
MCPA		
		0.002
Total herbicides		
Carbar l		
Carbofuran		
Total carbamate esticides		

Contaminant	Maximum contaminant evel in solid waste	Maximum contaminant leaching level
Diazinon Parathion Meth I Parathion		0.006
esticides		
Atrazine Simazine		
	10000 10000	
Total Petroleum H drocarbons		

Note: The contaminant levels in Table 1 are drawn from the limits applicable to unlined and lined landfills provided in Appendix C, Tables 1& 2 of the Liquid Industrial Waste Policy And Management Plans - Brisbane City Council 1994. Where a waste contains substances other than those listed, then disposal will be at the discretion of the relevant landfill licensee subject to the general duty not to cause environmental harm and to an approval, where required, under Chapter 7, Part 7 of the Environmental Protection Act 1994.

The following conditions must be complied with in the disposal of all forms of asbestos waste:

the asbestos waste must be disposed of:

to a designated asbestos disposal pit(s) where no excavation takes place following the disposal of asbestos waste within that pit, and immediately covered with 200 mm of consolidated earth or equivalent cover material over the entire area of the pit; or placed at the bottom of the current working face of the landfill unit (the disposal place) and immediately covered with at least 1 metre of waste;

the asbestos waste, the asbestos waste disposal pit or disposal place as the case may be, and all areas within 2 metres of the disposal pit/disposal place and asbestos waste (the 2 metre buffer area) must remain undisturbed following the waste disposal operation (including not placing the waste in a position where any gas extraction wells are likely to be necessary or drilling any gas extraction wells through the waste deposit);

plant and equipment must be available for any necessary preparation of the disposal pit/disposal place upon receipt of the asbestos waste and immediate covering of the asbestos waste and compacting of the area upon placement in the pit; and

the asbestos waste must be contained within the final landfill unit at a minimum distance of two (2) metres from the surface and flanks of the final landfill unit, excluding any final cover system required as a condition of this environmental authority (where final landfill unit means that deposition to the landfill unit has ceased).

Prohibited wastes

The following wastes must not be accepted onto the licensed places:

liquescient waste streams or any waste capable of yielding free liquids (does not include eachate or condensate arising from gas collection within the licensed place);

untreated infectious and chemical wastes and liquid pharmaceuticals from clinical and related waste stream:

cytotoxic wastes;

untreated sharps;

S8 pharmaceuticals;

II radioactive wastes, unless otherwise approved under the *Radioactive Substances Act 1958*;

pyrophoric wastes (where co-disposed with other potentially combustible material); and

explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction.

(E4-2) No wastes that exhibit any of the hazard characteristics listed in Schedule E - Table 2 must be interred at the waste disposal facility.

Schedule E - Table 2.

Hazard Characteristic	Description Of The Hazard Characteristic
Ignitability	Regulated wastes that are capable of causing a fire when ignited through friction, absorption of moisture, or spontaneous chemical changes under standard temperature and pressure
Corrosivity	Regulated wastes which on dissolution exhibit a pH of 2 or less, or 12.5 or greater

Notwithstanding conditions (E4-1) and (E3-1) of this environmental authority, minor amounts of regulated waste not specifically permitted to be accepted may be deposited at the licensed place provided:

- the regulated waste is incidental to and commingled with the general waste stream; and
- the quantity and concentration of the regulated waste (both individually and in aggregate) is insignificant; and
- it is impracticable to segregate the regulated waste from other waste which is permitted to be deposited; and
- the deposition of the regulated waste is not likely to cause any risk of fire, explosion, public health danger, nuisance, or environmental harm; and
- all practicable steps are taken to inform persons using the facility that such wastes are not included in the waste stream to be deposited at the waste disposal facility.

If the holder of this integrated authority becomes aware that a person has removed regulated waste from the licensed places and disposed of the regulated waste in a manner which is not authorised by the integrated authority or improper or unlawful, then the holder of integrated authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

In the event that the holder of this integrated authority becomes aware of prohibited waste being commingled in any waste stream the holder of this integrated authority must:

- cease the depositing of such waste;
- remove the prohibited waste and store in a proper and efficient manner;
- notify the person who sent the prohibited waste to the premises to which this integrated authority relates of the detection of prohibited waste in the waste received;
- as soon as practicable arrange for a person who can lawfully transport such waste to collect such waste;
- arrange for the person transporting the prohibited waste to transport such waste to a facility that can lawfully accept such waste; and
- produce the following records:
 - type of prohibited waste;
 - quantity of prohibited waste;
 - date of disposal;
 - name and address of the person(s) transporting the prohibited waste to the facility; and
 - name and address of the person(s) who generated the prohibited waste (if such person(s) can be reasonably identified).

For the purpose of this condition, "prohibited waste" means a waste that is not permitted to be accepted at that landfill facility by a condition of this integrated authority.

Exposed waste (excluding recyclable waste that is temporarily stored in a defined area) must be limited to the working face of any landfill unit and the area of exposure must be minimised to the greatest extent practicable. For the purpose of this condition, no waste must be deposited beyond the boundaries of the landfill unit(s).

Earthen material necessary for coverage of deposited waste must be stored and be readily available at the premises to which this environmental authority relates in a quantity sufficient for not less than two weeks operation of the landfill facility.

Deposited waste must be covered:

- with earthen material to a thickness of at least 0.2 metres; or
- with other alternative material of sufficient thickness and nature to ensure that there is no exposure of waste.

For the purpose of this condition, the use of any alternative material must initiate a trial for a period of up to 3 months, such that potential environmental harm (eg. odour, vermin breeding) is assessed and reported to the administering authority upon completion.

An all-weather internal road must be provided and maintained to the working face of the landfill facility at all times.

Construction of Disposal Areas

Ensure that any active waste disposal area is constructed to allow plant and machinery access so that wastes can be effectively consolidated, compacted and covered.

Where an active disposal area or any part thereof is installed above ground the embankments must be maintained to ensure the stability and integrity of construction.

Soil Permeability

Soils or other materials used in the construction of any waste disposal cells, above ground embankments, storage ponds and final cover must achieve an insitu hydraulic conductivity which is sufficiently impervious so as to prevent or minimise the release of leachate from the waste disposal area to waters including groundwater.

Active Waste Disposal Area Management

Ensure that all wastes accepted for disposal at the licensed place are not disposed of:

- beyond any active waste disposal area; and
- into waters or leachate; and
- beyond the catchment of any leachate collection drains if installed as part of a leachate collection system.

The holder of this environmental authority must ensure that exposed wastes are confined to the operating face of the active waste disposal area and that the operating face is maintained at a minimum practicable size at all times.

Leachate Management

Ensure that all reasonable and practical measures are taken to ensure the disposal area is operated and managed so as to minimise the generation of leachate.

Leachate Disposal

Leachate generated on the licensed place must only be disposed of in a manner such that there is no direct or indirect release of contaminants to any groundwater, stormwater drain, roadside gutter or surface watercourse.

Ensure that any leachate or contaminated stormwater generated on the licensed place is collected

- conveyed to a leachate storage dam or pond; and/or
- disposed of in accordance with condition E9-3.

Leachate or contaminated stormwater which is intercepted and collected on the licensed place may be disposed of:

- by evaporation; or
- by recirculation back into the areas of the licensed place where waste disposal is taking place;
- by spray irrigation over exposed wastes; or
- by disposal to sewer.

Leachate Storage Ponds or Dams

- (E10-1) Ensure that any pond or dam installed at the licensed place which is used for the collection and storage of leachate or contaminated stormwater must be:
- constructed of low permeability soils or other material so as to prevent any direct or indirect release of contaminants through the base or embankments; and
 - maintained to ensure the stability and integrity of construction; and
 - constructed and managed so that a freeboard capable of preventing overspill is maintained to store excess volume when annual rainfall of a 1 in 10 year recurrence period occurs.

Public Health, Nuisance and Litter Issues

- (E11-1) The holder of this integrated authority must take all reasonable and practicable measures necessary to ensure that the carrying out of the environmentally relevant activities do not cause any adverse effect on public health or any nuisance, particularly in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors.
- (E11-2) In the event of any adverse effect upon public health and / or any nuisance arising from the conduct of the environmentally relevant activities, the holder of this integrated authority must take all reasonable and practicable measures necessary to:
- abate such adverse effects and such nuisance; and
 - prevent the likelihood of any recurrence of the circumstances that gave rise to such adverse effects and / or such nuisance.
- (E11-3) The holder of this integrated authority must use all practicable means to exclude from refuse disposal areas access of birds, dogs and other pest species to that extent necessary to ensure that such birds, dogs and other pest species do not cause any:
- danger or risk to the health of any persons; or
 - environmental harm.
- (E11-4) Where litter is blown or washed from the premises to which this integrated authority relates in amounts that are significant in scale or extent, the holder of this integrated authority must take all reasonable and practicable actions to retrieve the litter and ensure that it is disposed of in an appropriate manner.
- (E11-5) The holder of this integrated authority shall ensure that the movement of litter within the licensed place does not cause environmental harm or nuisance through the use of practical and effective litter control measures and management practices, such measures may include but are not limited to:
- minimisation of areas of uncovered wastes;
 - frequent applications of cover material to deposited wastes;
 - the use of relocatable litter screens around the area of the waste deposition;
 - the use of fixed litter control fencing around the perimeter or other places; and
 - the implementation of regular litter collection programs that include cleaning of site perimeter fencing.

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Landfill Unit(s) Interim Closure Management

- (E12-1) The holder of this integrated authority must implement interim closure management for landfill unit(s) at a landfill facility that are not accepting waste.

For the purpose of this condition, interim closure management must include at least the following:

- the installation of an interim cover system that is designed with effective drainage systems to minimise erosion and to minimise water ponding; and
- a stabilisation program including practicable measures for revegetation and or mulching.

Landfill Facility Post-Closure Management

- (E13-1) The holder of this integrated authority must develop and provide to the administering authority a draft landfill post-closure management program for review and comment at least six (6) months before the expected final receipt of waste in any landfill unit.
- (E13-2) The landfill post closure management program must include details of at least the following:
- the total waste volumes or tonnage of the landfill unit being closed;
 - a landform relief plan including the extent of the landfill footprint;
 - the design of a final cover system including thickness and permeability of cover layers and any lateral drainage layers;
 - the erosion prevention system that is designed with effective drainage systems to minimise erosion and to minimise water ponding;
 - the revegetation and stabilisation program for the landfill to minimise final cover erosion and final cover species root penetration through to the waste pile;
 - the procedures for maintaining and operating any stormwater management system;
 - the procedures for maintaining and operating any leachate collection system;
 - any proposed nuisance or wildlife control procedures;
 - the proposed land use at the premises to which this integrated authority relates during and after the rehabilitation program; and
 - the expected date the holder of this integrated authority intends to begin rehabilitation activities and the expected time-lines to implement the program.

For the purpose of this condition, the landfill post-closure management program must be effective in preventing and / or minimising the likelihood of environmental harm being caused or allowed. The program must include measures and schedule timeframes to:

- monitor the structural integrity and effectiveness of the final cover system, particularly for erosion and subsidence of the cover system; and
- monitor any leachate, surface water, receiving water and groundwater monitoring system at a frequency sufficient to detect any release of contaminants to water resources.

- (E13-3) For the purposes of preventing and / or minimising the likelihood of environmental harm being caused as a result of deposition of waste, the holder of this integrated authority must, following cessation of deposition of waste in the landfill facility, conduct post-closure management measures

a period of 30 years; or

such shorter period until it is demonstrated to the administering authority in a competent manner using factually correct information that the landfill unit(s) within the landfill facility and surrounding site are geotechnically stable and that no release of waste materials, leachate, uncontrolled landfill gas or other contaminants to the environment is likely.

Environmental authority

Vehicle Access

- (E14-1) The holder of this integrated authority shall ensure that all weather access roads must be provided to the site and to the designated waste disposal area. Vehicle traffic must be closely controlled within the site by suitable barriers to ensure that waste is deposited only in designated areas

Signage

- (E15-1) The holder of this integrated authority must ensure that signs are erected at the entrances to the licensed place and in a prominent position on the licensed place, and be maintained in good repair to provide at least, the following:

- details of wastes which can be accepted at the site and wastes which are prohibited;
- advice that when the site is closed, that unauthorised dumping of waste is prohibited and the location of the nearest waste disposal facility;
- advice prohibiting the lighting of unauthorised fires on the site;
- the location of the tipping face; and
- the location of any wastes segregated and recycling areas.

Fire Protection and Control

- (E16-1) The holder of this integrated authority shall provide and maintain at all times a sufficient firebreak/s to minimise the spread of fires into deposited waste material.

Scavenging

- (E17-1) Scavenging of materials from the waste disposal area is prohibited except where a written agreement exists between the licensee and an approved scavenging contractor. Food, clothing, bedding, toiletries and other personal effects are not permitted to be scavenged from the site

END OF CONDITIONS FOR SCHEDULE E

Schedule F - Land**Preventing contaminant release to land**

Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids

The base and walls of all bunded areas must be maintained free from gaps or cracks

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Community**Complaint response**

All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request

END OF CONDITIONS FOR SCHEDULE G

Schedule H - Definitions

Words and phrases used throughout this licence or environmental authority are defined below
Where a definition for a term used in this authority is sought and the term is not defined within this authority the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

administering authority" means the Environmental Protection Agency or its successor

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means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Environmental authority.

"site" means the place to which this environmental authority relates or the premises to which this environmental authority relates.

"authorised place" means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.

"this authority" means this environmental authority.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

"dust sensitive place" means -

- a dwelling, mobile home or caravan park, residential marina or other residential place;
 - a motel, hotel or hostel;
 - a kindergarten, school, university or other educational institution;
 - a medical centre or hospital;
 - a protected area;
 - a park or gardens; or
 - a place used as an office or for business or commercial purposes.
- and includes the curtilage of any such place.

"odour sensitive place" has the same meaning as a "dust sensitive place"

"dwelling" means any of the following structures or vehicles that is principally used as a residence-

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan, mobile home or other vehicle or structure on land;
- a water craft in a marina.

noxious means harmful or injurious to health or physical well being.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"nuisance sensitive place" includes -

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
 - a motel, hotel or hostel; or
 - a kindergarten, school, university or other educational institution; or
 - a medical centre or hospital; or
 - a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
 - a public thoroughfare, park or gardens; or
 - a place used as a workplace, an office or for business or commercial purposes.
- and includes a place within the curtilage of such a place reasonably used by persons at that place.

" $L_{A, \max \text{ adj, T}}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"noise sensitive place" means -

- a dwelling, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or

a medical centre or hospital; or
a protected area; or
a park or gardens.
and includes the curtilage of such place.

commercial place" means a place used as an office or for business or commercial purposes.

intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

is clearly audible to, or can be felt by, an individual; and
annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

protected area" means -

a protected area under the Nature Conservation Act 1992; or
a marine park under the Marine Parks Act 1992; or
a World Heritage Area.

waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

"80th percentile" means not more than one (1) of the measured values of the quality characteristic is to exceed the stated release limit for any five (5) consecutive samples for a sampling point at any time during the environmental activity(ies) works

"land" in the "land schedule" of this document means land excluding waters and the atmosphere

mg/L" means milligrams per litre.

regulated waste" means non-domestic waste mentioned in Schedule 7 of the Environmental Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes:

for an element - any chemical compound containing the element; and
anything that has contained the waste.

clinical waste" means waste that has the potential to cause disease including, for example, the following

animal waste;
discarded sharps;
human tissue waste;
laboratory waste.

infectious waste" means "clinical waste"

annual return" means the return required by the annual notice (under section 316 of the Environment Protection Act, 1994) for the section 86(2) licence that applies to the environmental authority

END OF DEFINITIONS FOR SCHEDULE H

PART 2

Environmentally relevant activity(ies)

60-(2a) Waste disposal >50t but <2000t yr

Location(s)

Lots 75 and 76 on LX 1808 - Glastonbury Road,
GYMPIE QLD 4570

Lot 87 on LX 2669 - Kandanga Imbil Road IMBIL
QLD 4570

Lot 58 on MCH 3705 - Snapper Creek Road TIN
CAN BAY QLD 4580

Lot 3 on USL 37851 – Kurrawa Drive RAINBOW
BEACH QLD 4581

Schedule 2A - Activity

Prevent and /or minimise likelihood of environmental harm

In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

The holder must:

- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
- maintain such measures, plant and equipment in a proper and efficient condition; and
- operate such measures, plant and equipment in a proper and efficient manner.

Site based management plan

As part of the IEMS from commencement of the activity, Site Based Management Plan's (SBMP's) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all Environmentally Relevant Activities that are carried out.

Records

Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Integrated Environmental Management System (IEMS)

Environmental authority

Prior to the commencement of any environmentally relevant activity ('the activities') under this integrated authority (including Part 1 of this Integrated Authority), the holder of this environmental authority must:

- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
- implement and maintain the IEMS from the commencement of carrying out the activities

The IEMS must provide for at least the following functions:

Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:

- The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
- Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
- Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
- Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
- Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
- Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
- Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or environmental authorities; and
- Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
- Conducting assessment of the environmental impact of any release of contaminants into the environment;
- Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than five years; and
- Waste prevention, treatment and disposal; and
- A program for continuous improvement.

The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Licence Awareness

Ensure that any person responsible for carrying out any of the licensed activities is familiar with the conditions of this environmental authority as they relate to the person's responsibilities

Trained Operators

All persons engaged in the conduct of the activity, including but not limited to employees and contract staff, must be:

- trained in the procedures and practices necessary to:
- comply with the conditions of this environmental authority; and
- prevent environmental harm during normal operation and emergencies; or
- under the close supervision of such a trained person.

Landfill Development

- (2A10) Any landfill liner design and leachate management system must be developed by a person possessing appropriate qualifications and experience in the field of waste management including hydrogeology and geotechnical engineering to be able to competently make recommendations about these matters.

Site Development Plan

- (2A11) By 1 March 2005 the holder of this environmental authority must develop and implement a Site Development Plan for the Waste Disposal facilities, to cover each 5 year period for which the licensed places are open to receive wastes or until a Post Closure Care and Maintenance Plan has been implemented.

The Site Development Plan must include details of at least the following:

- dimensions of any area of the licensed place used for waste disposal and storage over the period covered by this Site Development Plan;
- an accurate level survey of any area of the licensed place to be utilised for the disposal and storage of wastes over the period covered by this Site Development Plan. The levels must be reduced to a common datum and related to contour plans of the licensed place;
- the approximate dimensions of each waste disposal area and dimensions of the active waste disposal face to be constructed in the area designated, over the period covered by this site development plan;
- the in situ permeability of earthen materials which are to be used for capping and/or lining of waste disposal areas and into which excavations will be made for the purposes of waste disposal;
- approximate location of any leachate dam or pond, pump well to be used or other plant and equipment installed as part of a leachate collection, storage or recirculation system;
- location of any stormwater drains or diversion embankments to be constructed to achieve compliance with this environmental authority; and
- location of any areas to be capped, the proposed final surface levels and contours, final drainage system and species of vegetation to be planted as part of a rehabilitation program for licensed place over the period covered by this site development plan.

Review and Comment on Plans and Programs Prepared under this Environmental Authority

- (2A13) The holder of this environmental authority must:
- submit any Site Development Plan, Post Closure Management Program and Groundwater Monitoring Program required under this environmental authority to the administering authority for its review and comment: and
 - have due regard to that comment in the finalisation of the plans or programs; and
 - complete and commence implementation of the plans or programs within 3 months of receipt of any comment from the administering authority; and
 - submit a copy of the finalised plans or programs to the administering authority within 30 days of its finalisation.

END OF CONDITIONS FOR SCHEDULE 2A

Schedule 2B - Air

Nuisance

The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

Dust nuisance

The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place.

Exceedence of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition (2B2).

Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991: OR

A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the licensed place, when monitored in accordance with:

Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method': or

any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority

Management of Landfill Gas

The release of landfill gas must not cause environmental harm.

Landfill gas is not considered to cause environmental harm if:

the release of methane does not exceed the following limits:

500 ppm at a height of 50 mm above the final and/or intermediate cover surface including the batter slopes of the landfill unit;

25 percent of the lower explosive limit when measured in facility structures (but excluding facility structures used for landfill gas control and landfill gas recovery system components); and

the lower explosive limit at the landfill facility boundary.

When requested by the administering authority, landfill gas monitoring must be undertaken to determine compliance with condition (2B5). Monitoring must be developed and completed by a person possessing appropriate qualifications and experience in the fields of hydrogeology and landfill gas monitoring program design to be able to competently make recommendations about these matters.

When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must include:

for a complaint alleging dust nuisance, dust deposition; and

for a complaint alleging adverse health effects caused by dust, the concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging

must be carried out at place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

END OF CONDITIONS FOR SCHEDULE 2B

Schedule 2C - Water

Release to waters

Contaminants must not be released from the licensed place to any waters or the bed and banks of any waters.

Stormwater Management and Erosion Protection Measures

As part of the Site Based Management Plan required by condition (2A3), a system of suitable diversion drains or embankments must be constructed and maintained to divert surface waters away from any area of the licensed places where contact with wastes or contaminants may occur, paying particular attention to:

- active disposal areas; and
- any waste storage areas; and
- any area previously used for waste disposal; and
- any leachate collection ponds (if applicable); and

There must be no release of stormwater runoff that has been in contact with any contaminants at the site, to any storm water drain, roadside gutter, or waters.

Erosion protection and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment from the licensed premises.

Contaminated Water Collection

The active waste disposal areas must be constructed in such a manner that the base of the disposal area is graded downward from the operating face to a collection sump to enable accumulation and containment of contaminated stormwater and leachate.

Cleaning and Spillages

The maintenance and cleaning of any vehicles, other equipment or plant must be carried out in areas where contaminants cannot be released into any waters, roadside gutter or external stormwater drain(age).

Any spillage of waste, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such waste, contaminants or material to any external stormwater drain(age) system, roadside gutter or waters.

END OF CONDITIONS FOR SCHEDULE 2C

Schedule 2D - Noise and vibration

Noise nuisance

Noise from activities must not cause an environmental nuisance at any noise sensitive place or any commercial place.

In the event of a complaint about noise that constitutes annoyance being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from each of the licensed places must not result in levels greater than those specified in Schedule 2D – Table 1.

Environmental authority

Schedule 2D - Table 1

Time period	Noise level at a 'Noise sensitive place' measured as the Adjusted
7am - 6pm	Background noise level plus 5 dB(A)
6pm - 10pm	Background noise level plus 5 dB(A)
10pm - 7am	Background noise level plus 3 dB(A)
Time period	Noise level at a 'Commercial place' measured as the Adjusted
7am - 6pm	Background noise level plus 10 dB(A)
6pm - 10pm	Background noise level plus 10 dB(A)
10pm - 7am	Background noise level plus 8 dB(A)

Note 1: $L_{A\ 10, \text{adj}, 15 \text{ mins}}$ levels may be substituted for $L_{A\text{max}, \text{adj}, 15 \text{ mins}}$ levels if evidence is provided that $L_{A\ 10, \text{adj}, 15 \text{ mins}}$ levels are representative of component noise levels from source(s)/premises under investigation.

Noise monitoring

When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:

background noise;

$L_{A, \text{max adj}, T}$ or where established as being appropriate $L_{A10, \text{adj} 15\text{mins}}$,

the level and frequency of occurrence of impulsive or tonal noise;

atmospheric conditions including wind speed and direction;

effects due to extraneous factors such as traffic noise: and

location, date and time of recording.

The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR SCHEDULE 2D

Schedule 2E - Waste

Waste handling

All regulated waste removed from the licensed place must be removed by a person who holds a current authority to transport such waste under the provisions of the *Environmental Protection Act*

Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.

The holder of this environmental authority must not allow waste to burn or be burned at or on the premises to which this environmental authority relates.

(This condition does not apply to the material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm and this condition does not refer to activities carried out under the provisions of the Fire Services Act 1990.)

The holder of the environmental authority must not remove waste from the premises to which this environmental authority relates and burn such waste elsewhere.

Off Site Movement

Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and keep records of the following:

- the date, quantity and type of waste removed;
- name of the waste transporter and/or disposal operator that removed the waste; and
- the intended treatment/disposal destination of the waste.

Waste Acceptance and Operating Criteria

This environmental authority permits only the following wastes to be disposed of at the licensed place:

- domestic waste;
- commercial waste;
- domestic clean-up waste;
- construction or demolition waste;
- industrial waste;
- garden wastes;
- putrescible wastes;
- solid inert wastes;

limited regulated waste may be disposed of in the general waste stream provided the quantity of limited regulated waste received at the facility in a year is not more than 10% of the total waste received at the facility in any calendar year.

NOTES:

- (a) wet cell batteries, waste oil and grease trap waste may be accepted and temporarily stored at the licensed place for recycling purposes.
- (b) drums containing any residual regulated waste are a regulated waste unless effectively cleaned in accordance with Operational Policy 'Determinations for management of regulated wastes'.

Limited regulated waste disposed of at the landfill must only be in a solid form.

Where waste is to be interred in a waste disposal cell that is not lined with an impermeable liner material the waste must comply with the waste acceptance criteria in Schedule 2E – Table 1.

Schedule 2E - Table 1.
Waste Acceptance Criteria - Unlined Waste Disposal Cells

Contaminant	Maximum contaminant level in solid waste	Maximum contaminant leaching level
Antimony		mg/L
Arsenic		0
Barium		0
Cadmium		1
Chromium		0.0
Cobalt		0
Copper		0
Lead		1
Mercury		0
Molybdenum		0.0
Nickel		0
Selenium		0
Silver		0
Thallium		0
Tin		0
Vanadium		0
Zinc		5
Bromide		
Chloride		
Cyanide total		
Fluoride		
Sulphate		
Nitrate		
Total organic carbon		10000
Benzene		
Ethyl Benzene		
Toluene		
Xylene		
Total Monocyclic aromatic hydrocarbons		
Anthracene		
Ben		0.005
Benzocyclopentadiene		0.005
Benzo(a)pyrene		0.002
Ben		0.005
Ben		0.005
Chrysene		
Dibenz		0.002
Dibenzofluorene		
Dim		0.005
Fluoranthene		
Naphthalene		
Phenanthrene		
Pyrene		
Total polycyclic aromatic hydrocarbons PAH		
Phenol		
m-cresol		
o-cresol		
p-cresol		
Total non-halogenated phenol		

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Chloro benol	
Trichloro benol	
Pentachloro benol	
Total halo enated benol	
Carbon tetrachloride	
1,2 Dichloroethane	
1,1 Dichloroethene	0.003
Tetrachloroethene	
Trichloroethene	
Tc	
Chlorobenzene	
Hexachlorobenzene	0.002
Tota	
Aldrin	
Chlordane	0.006
Chlorp rifos	
Dieldrin	
DDT	0.003
Endrin	
Hepi	0.003
Lindane	
Methox chlor	
Toxaphene	0.005
Tota	
2,4-D	
2,4-DB	
MCPA	
2,4,5	0.002
Total herbicides	
Carbar I	
Carbofuran	
Total	
Diazinon	
Parathion	
Meth I Parathion	0.006
Total	
Atrazine	
Simazine	
Total	
Total Petroleum H drocarbons C ₁₀ -C ₁₄	
Total Petroleum H drocarbons C ₁₅ -C ₂₈	10000
Total Petroleum H drocarbons C ₂₈ -C ₃₆	10000
Total Petroleum H drocarbons	

Note: The contaminant levels in Table 1 are drawn from the limits applicable to unlined and lined landfills provided in Appendix C, Tables 1 & 2 of the Liquid Industrial Waste Policy And Management Plans - Brisbane City Council

The following conditions must be complied with in the disposal of all forms of asbestos waste:

the asbestos waste must be disposed of:

to a designated asbestos disposal pit(s) where no excavation takes place following the disposal of asbestos waste within that pit, and immediately covered with 200 mm of consolidated earth or equivalent cover material over the entire area of the pit; or placed at the bottom of the current working face of the landfill unit (the disposal place) and immediately covered with at least 1 metre of waste;

the asbestos waste, the asbestos waste disposal pit or disposal place as the case may be, and all areas within 2 metres of the disposal pit/disposal place and asbestos waste (the 2 metre buffer area) must remain undisturbed following the waste disposal operation (including not placing the waste in a position where any gas extraction wells are likely to be necessary or drilling any gas extraction wells through the waste deposit);

plant and equipment must be available for any necessary preparation of the disposal pit/disposal place upon receipt of the asbestos waste and immediate covering of the asbestos waste and compacting of the area upon placement in the pit; and

the asbestos waste must be contained within the final landfill unit at a minimum distance of two (2) metres from the surface and flanks of the final landfill unit, excluding any final cover system required as a condition of this environmental authority (where final landfill unit means that deposition to the landfill unit has ceased).

Prohibited Wastes

The following wastes must not be accepted onto the licensed place:

liquorous waste streams or any waste capable of yielding free liquids (does not include leachate or condensate arising from gas collection within the licensed place);

untreated infectious and chemical wastes and liquid pharmaceuticals from clinical and related waste stream;

cytotoxic wastes;

untreated sharps from non domestic premises;

S8 pharmaceuticals;

all radioactive wastes, unless otherwise approved under the Radioactive Substances Act 1958;

pyrophoric wastes (where co-disposed with other potentially combustible material); and

explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction.

- (2E11) No wastes that exhibit any of the hazard characteristics listed in Schedule 2E - Table 2 must be interred at the waste disposal facility.

Schedule 2E - Table 2.

Hazard Characteristic	Description Of The Hazard Characteristic
Ignitability	Regulated wastes that are capable of causing a fire when ignited through friction, absorption of moisture, or spontaneous chemical changes under standard temperature and pressure
Corrosivity	Regulated wastes which on dissolution exhibit a pH of 2 or less, or 12.5 or greater

Notwithstanding condition number (2E10), minor amounts of regulated waste not specifically permitted to be accepted may be deposited at the licensed place provided:

- the regulated waste is incidental to and commingled with the general waste stream; and
- the quantity and concentration of the regulated waste (both individually and in aggregate) is insignificant; and
- it is impracticable to segregate the regulated waste from other waste which is permitted to be deposited; and
- the deposition of the regulated waste is not likely to cause any risk of fire, explosion, public health danger, nuisance, or environmental harm; and
- all practicable steps are taken to inform persons using the facility that such wastes are not be included in the waste stream to be deposited at the waste disposal facility.

- (2E13) If the holder of this integrated authority becomes aware that a person has removed regulated waste from the licensed places and disposed of the regulated waste in a manner which is not authorised by the integrated authority or improper or unlawful, then the holder of integrated authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

In the event that the holder of this integrated authority becomes aware of prohibited waste being commingled in any waste stream the holder of this integrated authority must:

- cease the depositing of such waste;
- remove the prohibited waste and store in a proper and efficient manner;
- notify the person who sent the prohibited waste to the premises to which this integrated authority relates of the detection of prohibited waste in the waste received;
- as soon as practicable arrange for a person who can lawfully transport such waste to collect such waste;
- arrange for the person transporting the prohibited waste to transport such waste to a facility that can lawfully accept such waste; and
- produce the following records:
 - type of prohibited waste;
 - quantity of prohibited waste;
 - date of disposal;
 - name and address of the person(s) transporting the prohibited waste to the facility; and
 - name and address of the person(s) who generated the prohibited waste (if such person(s) can be reasonably identified).

For the purpose of this condition, "prohibited waste" means a waste that is not permitted to be accepted at that landfill facility by a condition of this integrated authority.

- (2E15) Exposed waste (excluding recyclable waste that is temporarily stored in a defined area) must be limited to the working face of any landfill unit and the area of exposure must be minimised to the greatest extent practicable. For the purpose of this condition, no waste must be deposited beyond the boundaries of the landfill unit(s).

Earthen material necessary for coverage of deposited waste must be stored and be readily available at the premises to which this environmental authority relates in a quantity sufficient for not less than two weeks operation of the landfill facility.

Deposited waste must be covered:

- with earthen material to a thickness of at least 0.2 metres; or
- with other alternative material of sufficient thickness and nature to ensure that there is no exposure of waste;
- every second day at the Bonnick Road, Gympie Landfill;
- once per week at all other landfills.

For the purpose of this condition, the use of any alternative material must initiate a trial for a period of up to 3 months, such that potential environmental harm (eg. odour, vermin breeding) is assessed and reported to the administering authority upon completion.

- (2E18) An all-weather internal road must be provided and maintained to the working face of the landfill facility at all times.

Construction of Disposal Areas

Ensure that any active waste disposal area is constructed to allow plant and machinery access so that wastes can be effectively consolidated, compacted and covered.

Where an active disposal area or any part thereof is installed above ground the embankments must be maintained to ensure the stability and integrity of construction.

Soil Permeability

Soils or other materials used in the construction of any waste disposal cells, above ground embankments, storage ponds and final cover must achieve an insitu hydraulic conductivity which is sufficiently impervious so as to prevent or minimise the release of leachate from the waste disposal area to waters including groundwater.

Active Waste Disposal Area Management

Ensure that all wastes accepted for disposal at the licensed place are not disposed of:

- beyond any active waste disposal area; and
- into waters or leachate; and
- beyond the catchment of any leachate collection drains if installed as part of a leachate collection system.

The holder of this environmental authority must ensure that exposed wastes are confined to the operating face of the active waste disposal area and that the operating face is maintained at a minimum practicable size at all times.

Groundwater Monitoring

By 1 December 2005 the holder of this environmental authority must undertake a risk assessment for each licenced site to determine the potential for the release of contaminants to groundwater and based on this, any resultant need for groundwater monitoring. The risk assessment must be undertaken by a person/s possessing appropriate qualifications and experience in land fill design management and hydrogeology. Based on this risk assessment, the holder of this Environmental Authority must determine waste disposal sites where groundwater monitoring is required to assess compliance with condition (2C1).

Where the risk assessment required by condition (2E24) indicates that groundwater monitoring is required a groundwater network must be:

installed and maintained by a person possessing appropriate qualifications and experience in the fields of hydrogeology and groundwater monitoring program design to be able to competently make recommendations about these matters; and
include a sufficient number of "bore(s) of compliance", constructed in accordance with the "Minimum Construction Requirements for Water Bores in Australia" (Agricultural and Resource Management Council of Australia and New Zealand 1997), that are located not more than 150 metres from the landfill unit or the boundary of the landfill facility whichever is the closer, and provides the following:

- representative groundwater samples from potentially impacted aquifer/s; and
- background groundwater quality in hydraulically up-gradient or background bore(s) that have not been affected by any release of contaminants to groundwaters; and
- the quality of groundwater down gradient of any release of contaminants to groundwater including groundwater passing the relevant bore(s) of compliance

Conduct monitoring and keep records of groundwater quality. All determinations of groundwater quality must be:

made in accordance with methods prescribed in the Water Quality Sampling Manual and, where appropriate, in accordance with standards ISO 5667-11 1993 or AS/NZ 5667.11: 1998 Water Quality – Sampling – Guidance on sampling at Groundwaters and ISO 5667-18: 2001 Water Quality Sampling – Part 18 – Guidance on Sampling of Groundwater at Contaminated Sites; conducted for the water quality characteristics and at the frequency in Schedule 2E - Table 3; taken from sufficient monitoring points and/or wells to obtain representative samples of groundwater both up-gradient and down-gradient of the potential influence; carried out with sufficient regularity and spatial and temporal replication to make statistically valid conclusions about the presence or absence of a release; followed by an assessment of whether or not there has been any statistically significant adverse change compared to background values at locations hydraulically down gradient of the landfill unit for each quality characteristic in Schedule 2E - Table 3.

Schedule 2E – Table 3

Quality characteristic	Monitoring frequency
Total Organic Carbon	
5-day BOD (mg/L)	
Iron (total)	
	Quarterly
Conductivity	
Dissolved Oxygen	

Leachate Management

- (2E27) Ensure that all reasonable and practical measures are taken to ensure the disposal area is operated and managed so as to minimise the generation of leachate.

Leachate Disposal

- (2E28) Leachate generated on the licensed place must only be disposed of in a manner such that there is no direct or indirect release of contaminants to any groundwater, stormwater drain, roadside gutter or surface watercourse.

- (2E29) Ensure that any leachate or contaminated stormwater generated on the licensed place is collected conveyed to a leachate storage dam or pond; and/or disposed of in accordance with condition (2E30).

Leachate or contaminated stormwater which is intercepted and collected on the licensed place may be disposed of:

- by evaporation; or
- by recirculation back into the areas of the licensed place where waste disposal is taking place;
- by disposal to sewer

Leachate Storage Ponds or Dams

Ensure that any pond or dam installed at the licensed place which is used for the collection and storage of leachate or contaminated stormwater must be:

constructed of low permeability soils or other material so as to prevent any direct or indirect release of contaminants through the base or embankments; and
maintained to ensure the stability and integrity of construction; and
so that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies.

Public Health and Nuisance

The holder of this environmental authority must take all reasonable and practicable measures necessary to ensure that the carrying out of the environmentally relevant activities do not cause any adverse effect on public health or any nuisance, particularly in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors.

In the event of any adverse effect upon public health and / or any nuisance arising from the conduct of the environmentally relevant activities, the holder of this environmental authority must take all reasonable and practicable measures necessary to:

abate such adverse effects and such nuisance; and
prevent the likelihood of any recurrence of the circumstances that gave rise to such adverse effects and / or such nuisance.

The holder of this environmental authority must use all practicable means to exclude from refuse disposal areas access of birds, dogs and other pest species to that extent necessary to ensure that such birds, dogs and other pest species do not cause any:

danger or risk to the health of any persons; or
environmental harm.

Landfill Unit(s) Interim Closure Management

The holder of this environmental authority must implement interim closure management for landfill unit(s) at a landfill facility that are not accepting waste.

For the purpose of this condition, interim closure management must include at least the following
the installation of an interim cover system that is designed with effective drainage systems to minimise erosion and to minimise water ponding; and
a stabilisation program including practicable measures for revegetation and or mulching.

Landfill Facility Post-Closure Management

The holder of this environmental authority must develop and provide to the administering authority a draft landfill post-closure management program for review and comment at least six (6) months before the expected final receipt of waste in the landfill.

The landfill post closure management program must include details of at least the following

the total waste volumes or tonnage of the landfill unit being closed;
a landform relief plan including the extent of the landfill footprint;
the design of a final cover system including thickness and permeability of cover layers and any lateral drainage layers;
the erosion prevention system that is designed with effective drainage systems to minimise erosion and to minimise water ponding;
the revegetation and stabilisation program for the landfill to minimise final cover erosion and final cover species root penetration through to the waste pile;
the procedures for maintaining and operating any stormwater management system;
the procedures for maintaining and operating any leachate collection system;
any proposed nuisance or wildlife control procedures;
the proposed land use at the premises to which this environmental authority relates during and after the rehabilitation program; and
the expected date the holder of this environmental authority intends to begin rehabilitation activities and the expected time-lines to implement the program.

For the purpose of this condition, the landfill post-closure management program must be effective in preventing and / or minimising the likelihood of environmental harm being caused or allowed. The program must include measures and schedule timeframes to:

- monitor the structural integrity and effectiveness of the final cover system, particularly for erosion and subsidence of the cover system; and
- monitor any leachate, surface water, receiving water and groundwater monitoring system at a frequency sufficient to detect any release of contaminants to water resources.

For the purposes of preventing and / or minimising the likelihood of environmental harm being caused as a result of deposition of waste, the holder of this environmental authority must, following cessation of deposition of waste in the landfill facility, conduct post-closure management measures

- a period of 30 years; or
- such shorter period until it is demonstrated to the administering authority in a competent manner using factually correct information that the landfill unit(s) within the landfill facility and surrounding site are geotechnically stable and that no release of waste materials, leachate, uncontrolled landfill gas or other contaminants to the environment is likely.

Litter Control

The holder of this environmental authority shall take all reasonable and practicable measures to ensure that the movement of litter from the carrying out of the activity does not cause environmental harm or nuisance through the use of practical land effective litter control measures and management practices, such measures may include but are not limited to:

- minimisation of areas of uncovered wastes;
- frequent applications of cover material to deposited wastes;
- the use of relocatable litter screens around the area of the waste deposition;
- the use of fixed litter control fencing around the perimeter or other places; and
- the implementation of regular litter collection programs that include cleaning of site perimeter fencing.

Where litter is blown or washed from the premises to which this environmental authority relates in amounts that are significant in scale or extent, the holder of this environmental authority must take all reasonable and practicable actions to retrieve the litter and ensure that it is disposed of in a lawful manner.

Scavenging

Scavenging of materials from the waste disposal area is prohibited except where an agreement exists between the licensee and an approved scavenging contractor. Food, clothing, bedding, toiletries and other personal effects are not permitted to be scavenged from the site.

END OF CONDITIONS FOR SCHEDULE 2E

Schedule 2F - Land

Preventing contaminant release to land

Contaminants must not be released to land except as permitted under this Authority.

Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

The base and walls of all bunded areas must be maintained free from gaps or cracks.

END OF CONDITIONS FOR SCHEDULE 2F

Schedule 2G - Community

Complaint response

All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request

In consultation with the administering authority, cooperate with and participate in any community environmental liaison committee established in respect of either the site specifically, or the industrial estate where the site is located.

END OF CONDITIONS FOR SCHEDULE 2G

Schedule H - Definitions

Words and phrases used throughout this licence or environmental authority are defined below:

Where a definition for a term used in this authority is sought and the term is not defined within this authority the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

"administering authority" means the Environmental Protection Agency or its successor.

means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Environmental authority.

"site" means the place to which this environmental authority relates or the premises to which this environmental authority relates.

"authorised place" means the place authorised under this environmental authority/environmental authority for the carrying out of the specified environmentally relevant activities.

"this authority" means this environmental authority.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

"dust sensitive place" means -

a dwelling, mobile home or caravan park, residential marina or other residential place;

a motel, hotel or hostel;

a kindergarten, school, university or other educational institution;

a medical centre or hospital;

a protected area;

a park or gardens; or

a place used as an office or for business or commercial purposes.

and includes the curtilage of any such place.

odour sensitive place" has the same meaning as a "dust sensitive place"

"dwelling" means any of the following structures or vehicles that is principally used as a residence-

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan mobile home or other vehicle or structure on land;
- a water craft in a marina.

noxious means harmful or injurious to health or physical well being.

offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

nuisance sensitive place" includes -

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
 - a motel, hotel or hostel; or
 - a kindergarten, school, university or other educational institution; or
 - a medical centre or hospital; or
 - a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
 - a public thoroughfare, park or gardens; or
 - a place used as a workplace, an office or for business or commercial purposes.
- and includes a place within the curtilage of such a place reasonably used by persons at that place.

"L_A 10, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

"L_A 1, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response

"L_A, max adj, T" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

noise affected premises" means a "noise sensitive place" or a "commercial place"

noise sensitive place" means -

- a dwelling, mobile home or caravan park, residential marina or other residential premises; or
 - a motel, hotel or hostel; or
 - a kindergarten, school, university or other educational institution; or
 - a medical centre or hospital; or
 - a protected area; or
 - a park or gardens.
- and includes the curtilage of such place.

commercial place" means a place used as an office or for business or commercial purposes.

intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

protected area" means -

a protected area under the Nature Conservation Act 1992; or
a marine park under the Marine Parks Act 1992; or
a World Heritage Area.

"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, any part-thereof.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"regulated waste" means non-domestic waste mentioned in Schedule 7 of the Environmental Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes:

for an element - any chemical compound containing the element; and
anything that has contained the waste.

"licensed vehicle" means a vehicle authorised to be used under the licence to transport regulated waste.

"registered vehicle" means "licensed vehicle"

"clinical waste" means waste that has the potential to cause disease including, for example, the following

animal waste;
discarded sharps;
human tissue waste;
laboratory waste.

"infectious waste" means "clinical waste"

END OF DEFINITIONS FOR SCHEDULE H

PART 3

Environmentally relevant activity(ies)

Location(s)

ERA 62 Waste transfer station operation - operating, on a commercial basis or in the course of carrying on a commercial enterprise, a waste transfer station that receives a total quantity of at least 30t or 30m³ of waste on any day

Lot 2 on Plan SP238517 - Bayside Road, TIN CAN BAY QLD 4580

Agency Interest: General

Prevent and/or minimise likelihood of environmental harm

In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused.

Site Based Management Plan

From commencement of an ERA to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

The SBMP must address the following matters:

Environmental commitments - a commitment by senior management to achieve specified and evant environmental goals.

- (b) Identification of environmental issues and potential impacts.
- (c) Control measures for routine operations to minimise likelihood of environmental harm.
- (d) Contingency plans and emergency procedures for non-routine situations.
- (e) Organisational structure and responsibility.
- (f) Effective communication.
- (g) Monitoring of contaminant releases.
- (h) Conducting environmental impact assessments.
- (i) Staff training.
- (j) Record keeping.
- (k) Periodic review of environmental performance and continual improvement.

Maintenance Of Measures, Plant and Equipment.

The operator of an ERA to which this approval relates must:
install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
maintain such measures, plant and equipment in a proper and efficient condition; and
operate such measures, plant and equipment in a proper and efficient manner.

Monitoring

A competent person(s) with appropriate training must conduct and report on any monitoring required by this approval.

Records

Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.

Equipment Calibration

Il instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.

Notification

Telephone the DERM's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.

A written notice detailing the following information must be provided to the DERM within 14 days of any advice provided in accordance with condition G7:

- a) the name of the operator, including their approval / registration number;
- b) the name and telephone number of a designated contact person;
- c) quantity and substance released;
- d) vehicle and registration details;
- e) person/s involved (driver and any others);
- f) the location and time of the release;
- g) the suspected cause of the release;
- h) a description of the effects of the release;
- i) the results of any sampling performed in relation to the release,
- j) actions taken to mitigate any environmental harm caused by the release; and
- k) proposed actions to prevent a recurrence of the release.

Spill Kit

An appropriate spill kit, personal protective equipment and relevant operator instructions / emergency

procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site.

Anyone operating under this approval must be trained in the use of the spill kit.

Agency Interest: Air

Nuisance

The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any nuisance sensitive place

Dust Nuisance.

The release of dust and/or particulate matter resulting from the ERA must not cause an environmental nuisance at any nuisance sensitive place

When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:

- for a complaint alleging dust nuisance, dust deposition; and
- for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.

Agency Interest: Land

Preventing Contaminant Release To Land

Contaminants other than settled/ treated stormwater from the stormwater collection system must not be released to land.

The irrigation of settled/ treated stormwater must be carried out in a manner such that:

- a vegetation is not damaged;
- b soil erosion and soil structure damage is avoided;
- c there is no surface ponding;
- d percolation beyond the plant root zone is minimised;
- e the capacity of the land to assimilate nitrogen, phosphorus, salts and water is not exceeded;
- a the quality of ground water is not adversely affected

Cleaning and Spillages

Spillage of all chemicals must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

The base and walls of all bunded areas must be maintained free from gaps or cracks

All bunding must be roofed.

Any spillages of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes,

contaminants or material to any stormwater drainage system, roadside gutter or waters.

Agency Interest: Noise

Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place.

Notwithstanding condition N1 the ERA must be carried out by such reasonable and practicable means necessary to prevent the emission of noise that constitutes an unreasonable intrusive noise. The reasonable and practicable measures adopted for the site must be incorporated into the relevant procedure(s) implemented under the Site Based Management Plan and may include but not necessarily be limited to the following noise abatement measures:

- i) ensure that any new equipment to be used on the site is assessed for potential noise nuisance impacts and appropriately attenuated;
- ensure that all plant and equipment is operated and maintained in a proper and efficient manner;
- ensure that engine cowlings and high efficiency silencers are fitted to all the engines of all plant and equipment identified as impacting on noise sensitive receivers;
- ensure that noise generating activities are not undertaken in close proximity to nuisance sensitive places;
- ensure that noise generating activities are not undertaken outside the hours of 8.00am – 5.00pm Monday – Friday and 8.00am – 4.00pm weekends and public holidays;
- ensure that noise abatement barriers are sited such that they effectively intercept the sound transmission path between the sources of noise and receptor premises;
- ensure that reversing beepers used on vehicles employ current best practice reversing beeper technologies for noise (as approved for use according to workplace safety legislative requirements) and that all reasonable and practicable operational measures are taken to minimise nuisance created by the use of reversing beepers;
- ensure that measures are in place to minimise impact noise associated with the activity (eg. metal on metal).

In the event of a complaint about noise environmental nuisance that the administering authority considers is not frivolous or vexatious, then the administering authority may require a Noise Management Plan to be developed within one (1) month of the registered operator being advised in writing of the complaint. The Noise Management Plan must address at least, but not be limited to, the following matters:

- identification of component noise sources and activities at the place(s) which impact on noise sensitive areas;
- the measured and/or predicted level of these noise sources and activities at noise sensitive places;
- the reasonable and practicable control or abatement measures that can be undertaken to reduce identified intrusive noise sources;
- the level of noise at noise sensitive places that would be achieved from implementing these measures.
- the handling of future noise complaints;
- community liaison and consultation; and
- training of staff in noise management practices.

Noise Monitoring.

When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority.

Monitoring must include:

- Background Noise Level
- L_A 10, adj, 10 mins
- L_A 1, adj, 10 mins
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;

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effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

The method of measurement and reporting of noise levels must comply with the latest edition of the Department of Environment and Resource Management's Noise Measurement Manual.

Agency Interest: Water**Release to waters**

Contaminants other than settled or treated stormwater from the stormwater collection system must not be released from the site to any waters or the bed and banks of any waters

Notwithstanding condition WA1, settled or treated stormwater released must not have any properties nor contain any organisms or contaminants in concentrations that are capable of causing environmental harm.

Stormwater Management.

All stormwater that passes through the site where the ERA is being carried out must be diverted to the stormwater collection system and or sediment control system for settling or treatment prior to any release from the site.

Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.

The registered operator must develop and implement a Stormwater Management Plan (SWMP) as part of the Site Based Management Plan for the site. A SWMP must address at least the following issues

- a) treatment and disposal of contaminated stormwater;
- b) diversion of upstream runoff away from areas containing wastes or contaminants;
cleaning of contaminated areas without water;
installation of stormwater diversion systems;
- e) roofing contaminated areas;
- f) sampling for stormwater quality;
- g) location of catchment areas, stormwater diversion banks, stormwater retention ponds, drains, filter strips and sediment traps; and
location of current and proposed waste storage areas.

Suitable banks and/or diversion drains must be installed and maintained to exclude clean stormwater runoff from entering:

areas containing contaminants or likely to contain contaminants from the activity; and
stormwater retention ponds or other structures used for the storage or treatment of contaminants or wastes.

Ponds used for the storage or treatment of contaminants must be constructed, installed and maintained:

So as to minimise the likelihood of any release of contaminants through the bed or banks of the pond to any waters (including groundwater);
So that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies; and
So as to ensure the stability of the ponds' construction.

Agency Interest: Waste

Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.

Waste Composition.

Only the following waste materials are permitted to be accepted at the waste transfer facility:

- recyclable waste
- general waste
- green waste
- metal waste (including ferrous and non-ferrous metals, scrap metal and car bodies)

Notwithstanding condition W2, the following wastes may be accepted and stored at the approved place prior to transporting elsewhere for recycling (provided that they are stored in compliance with relevant conditions of this approval):

- (i) vehicle batteries;
- (ii) waste oil; and
- (iii)

For the purpose of this condition:

- wastes must be stored temporarily and in a proper and efficient manner;
- used wet cell batteries may only be stored temporarily at the site provided that they are stored in a covered enclosure which is bunded to contain spillage and leakage and provided that the batteries are removed on at least a 3 monthly basis to a place approved by the administering authority to accept such wastes;
- used tyres temporarily stored at the waste transfer station must be stockpiled in a designated area and stockpiled with no more than 500 passenger tyre equivalents in whole or equivalent parts at any one time.
- separate and secure containers or containment areas must be available at all times to receive the wastes listed in this condition; and
- temporarily stored regulated wastes must be directed as soon as practicable to another facility that can lawfully accept such waste.

In the event that you become aware of prohibited wastes being commingled in the waste stream you must:

- cease the depositing of such waste if depositing of such waste is occurring;
- remove the prohibited waste and store in a proper and efficient manner;
- notify the person who sent the prohibited waste to the site of the detection of prohibited waste in the waste received;
- as soon as practicable arrange for a person who can lawfully transport such waste to collect such waste;
- arrange for the person transporting the prohibited waste to transport such waste to a facility that can lawfully accept such waste;
- produce the following records:
 - (a) type of prohibited waste;
 - (b) quantity of prohibited waste;
 - (c) date of disposal;
 - (d) name and address of the person(s) transporting the prohibited waste to the facility;
 - (e) name and address of the person(s) who generated the prohibited waste (if such person(s) can be reasonably identified).

For the purpose of this condition, "prohibited waste" means a waste (including a proportion of waste) which is not permitted to be accepted at the facility by a condition of this approval.

Design and Operating Criteria

The waste containers used for the transfer of waste must be:

- maintained in a proper and efficient state of repair to effectively contain the deposited wastes;
- cleaned regularly.

The cleaning of waste containers conducted on the site must be carried out within a designated washdown facility so that all washdown water resulting from such activities is collected and disposed of to the municipal sewerage system via an authorised trade waste disposal point or another facility holding an appropriate approval under the *Environmental Protection Act 1994* to receive such waste.

Where litter is blown or washed from the waste transfer station building enclosures, in amounts which are not insignificant in scale or extent, the registered operator must take all reasonable and practicable actions to retrieve the litter and ensure that it is disposed of in an appropriate manner. Measures must be implemented to prevent a recurrence of litter being blown or washed from the premises.

Waste Handling

All regulated waste removed from the premises to which this environmental authority relates must be removed by a person who holds a current approval to transport such waste under the provisions of the *Environmental Protection Act 1994*.

Security

The registered operator must install and maintain a security fence with lockable gates to a reasonable standard that will prevent unauthorised access to the site.

The registered operator must ensure that, at all times while the facility is open, at least one person must be present who is responsible for the control and operation of the facility and whose duties must include but are not limited to:

- controlling the reception, storage and unauthorised removal of waste;
- maintaining the facility to an appropriate environmental standard;
- supervising all persons entering the facility; and
- supervising that waste acceptance criteria is being maintained.

The registered operator must ensure all access gates are locked when the site is unattended.

Signage

You must prominently display at the site appropriate signs specifying:

- that unlawful entry and unauthorised scavenging is prohibited;
- the appropriate locations at which specified waste may be deposited and any requirements as to the deposition of such waste;
- the waste which is permitted to be deposited at the facility and advising that other waste must not be deposited at the facility; and
- that lighting of fires is prohibited.

Fire Prevention

Clear access to a water supply for fire fighting vehicles must be provided at all times.

An effective fire management plan must be maintained. Procedures must comply with any requirements of the Regional Fire Commander.

You must not:

-) allow waste to burn or be burnt at or on the site; nor
- i) remove waste from the site and burn such waste elsewhere.

Public Health Issues

You must install and operate all works and control equipment and take all practicable measures, perform all acts and do all things necessary to ensure that the carrying out of the environmentally

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relevant activity does not cause any adverse effect on public health or any nuisance, particularly in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors.

In the event of any adverse effect upon public health and/or any nuisance arising from the conduct of the environmentally relevant activity, you must do all such acts and things and carry out any such works as may be necessary to:

- (i) abate such adverse effects and such nuisance: and
- (ii) prevent the likelihood of any recurrence of the circumstances which gave rise to such adverse effects and/or such nuisance.

Agency Interest: Social

Complaint Response

The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request:

- a Time, date, name and contact details of the complainant;
- b reasons for the complaint;
- c any investigations undertaken;
- d conclusions formed; and
- e any actions taken.

DEFINITIONS

Words and phrases used throughout this permit¹ are defined below. Where a definition for a term used in this permit¹ is sought and the term is not defined within this permit¹ the definitions provided in the relevant legislation shall be used.

"administering authority" means the Department of Environment and Resource Management or its successor.

"annual return" means the return required by the annual notice (under section 316 of the *Environment Protection Act 1994*) for the section 73F registration certificate that applies to the environmental authority.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Sustainable Planning Act 2009*.

"authorised place" means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.

"background noise level" means either:

$L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period not less than 15 minutes, using Fast response, or

$L_{avg,T}$ being the A-weighted sound pressure level obtained using Fast response and arithmetically averaging the lowest levels of the ambient sound pressure level during a representative time period of not less than 15 minutes.

"clinical waste" means waste that has the potential to cause disease including, for example, the following:
animal waste;
discarded sharps;
human tissue waste;
laboratory waste.

"dwelling" means any of the following structures or vehicles that is principally used as a residence –
a house, unit, motel, nursing home or other building or part of a building;
a caravan mobile home or other vehicle or structure on land;
a water craft in a marina.

Environmental authority

"Department of Environment and Resource Management" means the department or agency (whatever called) administering the *Coastal Protection and Management Act 1995* or the *Environmental Protection Act 1994*.

general waste means waste other than regulated waste or for waste management in local government areas, any of the following:

- commercial waste;
- domestic waste;
- recyclable waste.

green waste means grass cuttings, trees, bushes, shrubs, loppings of trees, bushes or shrubs, or similar matter produced as a result of the ordinary use or occupation of premises

infectious waste means waste containing viable micro-organisms or their toxins which are known or suspected to cause disease in animals or humans.

intrusive noise means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –

- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 – 1997 Acoustics – Description and Measurement of Environmental Noise Part 2 – Application to Specific Situations.

"L_A 10, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response

"L_A 1, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response

"land" in the "land schedule" of this document means land excluding waters and the atmosphere

noxious means harmful or injurious to health or physical well being.

nuisance sensitive place includes –

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place

offensive means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

protected area means –

- a protected area under the *Nature Conservation Act 1992*; or
- a marine park under the *Marine Parks Act 1992*; or
- a World Heritage Area.

recyclable waste for a local government's area means clean and inoffensive waste that is declared by the local government to be recyclable waste for the area. Examples of waste that may be declared to be recyclable waste include glass bottles, newspaper, cardboard, steel and aluminium cans.

registered operator means the holder of a registration certificate for the activity to which this environmental authority relates, issued under Section 73F of the *Environmental Protection Act 1994* and in force

regulated waste means waste that –

- is commercial or industrial waste, whether or not it has been immobilised or treated; and

is of a type, or contains a constituent of a type, mentioned in Schedule 7 of the *Environmental Protection Regulation 2008*

Regulated waste includes -

for an element - any chemical compound containing the element; and
anything that contains residues of the waste.

site" means land or tidal waters on or in which it is proposed to carry out the development approved under this environmental authority.

watercourse" means a river, creek or stream in which water flows permanently or intermittently-
in a natural channel, whether artificially improved or not; or
in an artificial channel that has changed the course of the watercourse.

waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

works" or "operation" means the development approved under this environmental authority.

means the holder of this environmental authority or owner / occupier of the land which is the subject of this environmental authority.

END OF DEFINITIONS

PART 4

Environmentally relevant activity(ies)

Location(s)

60-(2e) Waste disposal >20,000t but <50,000t yr

Lot 542 on MCH 801883 - Bonnick Road GYMPIE
QLD 4570

Schedule 1A - Activity

Existing landfill and Landfill Extension

(1A1-1) This environmental authority relates to land filling on land described as Lot 542, on Plan MCH801883.

References throughout these conditions to the existing landfill refers to the area of landfill depicted in Figure 1 at Schedule 1H.

References throughout these conditions to the Landfill Extension refers to the area of landfill depicted in Figure 1 at Schedule 1H.

Where a condition does not make reference to a specific area, the condition apply's to the approved premises generally, and will not be restricted to either the existing landfill or landfill extension.

Prevent and/or Minimise Likelihood of Environmental Harm

(1A2-1) In carrying out the environmentally relevant activity, you must take all reasonable and practicable measures to prevent and/or minimise the likelihood of environmental harm being caused. Any environmentally relevant activity that, if carried out incompetently or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner and at least in accordance with the conditions of this approval.

Maintenance of Measures, Plant and Equipment

(1A3-1) The Registered Operator must:

install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
maintain such measure, plant and equipment in a proper and efficient condition; and

operate such measures, plant and equipment in a proper and efficient manner.

Records

- (1A4-1) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Investigation into Alternative Waste Management Practices

- (1A5-1) You are required to investigate alternative waste management practices to maximise, where possible, recycling and diversion of waste from being disposed to landfill.

For the purpose of satisfying this condition in accordance with the waste management hierarchy and principles of the *Waste Reduction and Recycling Act 2011*, on or before 1 December 2012 you must conduct:

a strategic waste management assessment, and include as a target, an aim to achieve a recycling or diversion from land filling at a rate of at least 70%; and
report estimated recycling and diversion rates and any progress made in achieving the 70% target to the administering authority with each annual return after within 2 months of the end of each financial year after 1 December 2012.

Closure and Post-Closure Care

- (1A6-1) Prior to cessation of waste deposition to any landfill unit, a cover system to the landfill unit must be progressively installed such that when waste deposition into the landfill unit ceases:
- infiltration of water into the landfill unit is minimised;
 - the likelihood of any erosion occurring to either the final cover system or the land filled materials is minimised; and
 - un-controlled release of landfill gas is actively managed.
- (1A6-2) Post-closure care of the landfill must be conducted following the cessation of the deposition of waste in the landfill unit. for:
- a period of 30 years; or
 - such shorter period until the landfill unit and surrounding site are geo-technically stable and that no release of waste materials, leachate, landfill gas or other contaminants to the environment is likely.
- (1A6-3) A site management plan pursuant to Chapter 7, Part 8, Division 5 of the Environmental Protection Act 1994 must be developed and provided to the administering authority at least 12 months before the expected final receipt of waste in the landfill unit. The site management plan must include, but is not to be limited to, the future land use and actions you intend to take for compliance with the closure and post-closure care requirements of this approval.

Security

- (1A7-1) All reasonable and practical measures must be implemented to ensure unauthorised access to the premises to which this environmental authority relates is prevented.

Fire Prevention

- (1A8-1) Clear access to a water supply for fire fighting vehicles must be provided at all times.
- (1A8-2) An effective fire break must be provided and maintained.

Notification

- (1A9-1) Telephone the Department of Environment and Resource Management Pollution Hotline on 1300 130 372 or local office on 4121 1800 as soon as practicable after becoming aware of any release of contaminants from the site not in accordance with the conditions of this approval
- (1A9-2) Notwithstanding condition (1A9-1), within 10 days of becoming aware of any release of contaminants from the site not in accordance with the conditions of this approval, provide the following written advice to the administering authority:
- available analysis results; and

details of investigation or corrective actions taken or proposed; and
advice when any outstanding or subsequent analysis results will be provided
advice when any subsequent analysis will be carried out to verify the success of any corrective actions taken.

the name of the operator, including their approval / registration number;
the name and telephone number of a designated contact person;
quantity and substance released;
any vehicle involved and its registration details;
person/s involved;
the location and time of the event / release or monitoring result;
the suspected cause of the event or release;
a description of the effects of the release on the receiving environment.

Spill Kit

- (1A10-1) An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes associated with the Environmentally Relevant Activity must be kept at the site.

Information

- (1A11-1) Erect at the entrance and/or other prominent locations, signs maintained in good repair, written in a language appropriate for the user population and giving the following information:
- the name of the site and a telephone contact number for site information;
 - that disposal of waste is prohibited without the direction or permission of the landfill operator;
 - details of the facility opening hours.

Site Based Management Plan

- (1A12-1) From commencement of the approved activity, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

The SBMP must address the following matters:

- (a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals.
- (b) Identification of environmental issues and potential impacts.
- (c) Control measures for routine operations to minimise likelihood of environmental harm.
- (d) Contingency plans and emergency procedures for non-routine situations.
- (e) Organisational structure and responsibility.
- (f) Effective communication.
- (g) Monitoring of contaminant releases.
- (h) Conducting environmental impact assessments.
- (i) Staff training.
- (j) Record keeping.
- (k) Periodic review of environmental performance and continual improvement

Site Development Plan

- (1A13-1) As part of the SBMP required by condition (1A12-1) the Registered Operator must develop and implement a Site Development Plan (SDP). The SDP must be reviewed on an annual basis and be kept up to date so that it covers at least the subsequent 5 years development of the landfill. The SDP must address at least the following issues:

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dimensions of landfill units used for waste disposal or storage; and
 an accurate level survey of any area to be utilised for the disposal or storage of wastes. The levels must be reduced to a common datum and related to contour plans; and
 the approximate dimensions of each landfill unit and dimensions of the active waste disposal face; and
 the in situ permeability of earthen materials which are to be used for capping and/or lining of waste disposal areas and into which excavations will be made for the purposes of waste disposal; and
 approximate location of any sedimentation pond, and / or pump wells to be used or other facilities, plant and equipment installed as part of a leachate collection, storage and recirculation system; and
 location of any stormwater drains or diversion embankments existing or to be constructed; and
 location of any areas to be capped, the proposed final surface levels and contours, final drainage system and species of vegetation to be planted as part of a rehabilitation program
 location of bores required by condition (1C6-1)

END OF CONDITIONS FOR SCHEDULE 1A

Schedule 1B - Air**Nuisance**

- (1B1-1) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.

Dust Nuisance

- (1B2-1) The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.
- (1B2-2) In the event of a complaint to the administering authority that is not considered to be frivolous or vexatious, and at the request of the administering authority, you must undertake dust and particulate monitoring to investigate environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of the monitoring. Monitoring must include:
- procedures and reporting undertaken in accordance with the ***Air Quality Sampling Manual***;
 - for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time; and
 - be carried out in or at a place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

Management of Landfill Gas

- (1B3-1) The release of landfill gas must not cause environmental harm.
- (1B3-2) Landfill gas is not considered to cause environmental harm if:
- a landfill gas collection system is installed and maintained when the landfill unit is sufficiently elevated to allow adequate draining of gas lines; and
 - landfill gas monitoring shows that the release of methane does not exceed the following limits:
 - 500 ppm at a height of 50 mm above the final and/or intermediate cover surface including the batter slopes of the landfill unit;
 - 25 percent of the lower explosive limit when measured in facility structures (but excluding facility structures used for landfill gas control and landfill gas recovery system components); and
 - (c) the lower explosive limit at the landfill facility boundary

Landfill Gas Monitoring

- (1B4-1) The assessment of compliance with the methane limits at a height of 50 mm above the final and intermediate cover surface of the landfill unit prescribed by (1B3-2) must be undertaken at the following locations:
- on a grid pattern where the grid lines are no more than 50m apart; and
 - at any other locations where visual observations indicate potentially elevated concentrations of landfill gas, for example cracks, seeps in cover and distressed vegetation.
- (1B4-2) A landfill gas monitoring network must be installed for each landfill unit to assess compliance with methane limits for facility structures and at the boundary prescribed by (1B4-1). The network must consist of gas monitoring devices, such as monitoring bores and be developed by a person possessing appropriate qualifications and experience in the fields of hydrogeology and landfill gas monitoring program design to be able to competently make recommendations about these matters.
- (1B4-3) Conduct and keep records of landfill gas monitoring that is performed at the following frequencies:
- at least annually to assess compliance with the methane limit at a height of 50 mm above the cover surface of the landfill unit prescribed by condition (1B3-2); and
 - at least annually to assess compliance with methane limits for facility structures and at the boundary prescribed by condition (1B3-2).

END OF CONDITIONS FOR SCHEDULE 1B

Schedule 1C - Water

Contaminant Releases to Waters

- (1C1-1) Only clean, uncontaminated stormwater runoff from final landforms that are vegetated and rehabilitated and groundwater in accordance with condition (1C5-1), is permitted for direct release from the approved premises.
- (1C1-2) Stormwater runoff from **disturbed areas** at the existing landfill must be directed to drainage areas designed and maintained to minimise sediment release from the existing landfill. Design measures may include (but are not limited to) vegetated drainage swales and rock and sediment sumps or weirs within the approved premises.
- (1C1-3) Stormwater runoff from **disturbed areas** at the landfill extension must be directed to a sedimentation pond, which must be sufficiently constructed, operated and maintained to contain the runoff expected from a 24 hour storm with an average recurrence interval of 1 in 10 years.
- (1C1-4) Settled/treated stormwater runoff from the sedimentation pond must only be released from the following discharge location:
- W2: overflow from sedimentation pond to a tributary of Peter and Paul Gully.

Surface Water Monitoring

- (1C2-1) Monitoring of contaminant releases must be undertaken at the monitoring points described below for each discharge location and records kept, for the quality characteristics and at the frequency specified in Schedule 1C – Table 1:
- Monitoring points:
- W1- clean water bypass around the landfill discharging to Peter and Paul Gully; and
 - overflow from the sedimentation pond; and
 - ambient monitoring upstream of the landfill in Peter and Paul Gully; and
 - ambient monitoring downstream of the landfill in Peter and Paul Gully;
 - Groundwater Cut Off System monitoring point
- (1C2-2) All determinations of water quality from the monitoring prescribed by condition (1C2-1) above must be made in accordance with methods prescribed in the *Monitoring and Sampling Manual 2009 Environmental Protection (Water) Policy 2009*, available from the Department of Environment Resource Management.

(1C2-3) Results of monitoring required by Condition (1C2-1) must be compiled and an interpretation of the results reported to the Administering Authority with each Annual Return.

Schedule 1C – Table 1 (Release Limits)

Monitoring Point	Quality Characteristics	Units of Measure	Monitoring
W1, W2, W3 and W4		pH units	Weekly in the event of a release
W1, W2, W3 and W4	Suspended solids		Weekly in the event of a release
W1, W2, W3 and W4	Temperature	Degrees celcius	6 Monthly
W1, W2, W3 and W4	Electrical Conductivit		6 monthly
W1, W2, W3 and W4	Dissolved		6 Monthly
W2, W3 and W4	Biological Oxygen Demand		6 Monthly
W2, W3 and W4	Chloride		6 monthl
W2, W3 and W4	Sodium		6 monthl
W2, W3 and W4	Nitrate		6 Monthl
W2, W3 and W4	Ammonia		6 monthl
W2, W3 and W4			6 monthl

*N/A means not applicable

*NS means not specified

Leachate management

(1C3-1) **Leachate** and stormwater runoff which has been in contact with waste materials in the **landfill unit** must be collected in the **leachate** storage facility and be:

1. treated in the **leachate** treatment plant and discharged to sewer in accordance with the requirements of the relevant water utility; or
2. recirculated through waste disposed in the **landfill unit**; or
3. treated by alternative technologies agreed by the **administering authority** for offsite disposal, discharge, or on-site reuse; or
4. disposed of at a facility that is approved to receive such waste.

(1C3-2) The leachate management required in Condition (1C3-1) must be incorporated into the Site Based Management Plan required by Condition (1A12-1)

Leachate Collection

(1C4-1) A leachate collection system must be installed and maintained to effectively

- collect leachate generated in the landfill extension;
- (ii) provide connectivity between the existing landfill and the landfill extension;
- (iii) convey collected leachate to a designated collection or recovery point;
- (iv) provide an access point for leachate quality and quantity monitoring; and
- ensure leachate remains contained within the liner system, including during or following periods of high rainfall.

Groundwater

(1C5-1) A groundwater cut off system must be installed to ensure groundwater levels beneath the Landfill

Extension do not come into contact with any containment liner system, nor adversely affect the integrity or performance of any containment liner system for the Landfill Extension.

- (1C5-2) The groundwater cut off system required by Condition (1C5-1) must be:
- Designed by a suitably qualified, experienced and **independent person**.
 - Installed under the supervision of a suitably qualified, experienced and **independent person**.
 - Certified by that **independent person** as being installed as per the design.
 - Monitored and maintained as necessary to ensure compliance with conditions (1C5-1).
- (1C5-3) The groundwater cut off system must be designed, installed, certified and operational prior to the deposit of any waste in the Landfill Extension.
- (1C5-4) The groundwater cut off system must also provide leachate leak detection for the landfill extension, during both the life of the landfill and for a period up to 30 years post closure, or as otherwise defined in the post closure management plans required by Conditions (1A6-2) and (1A6-3).
- (1C5-5) The groundwater cut off system must be designed and constructed to provide an access point/s (Monitoring point W5) that;
- allows for monitoring and sample collection at a designated collection sump;
 - allows for the collections of samples that are representative of the entire groundwater cut off system; and
 - is not otherwise contaminated by other sources (namely the collection sump for the leachate collection system).
- (1C5-6) Liquid intercepted by the groundwater cut off system, which is released to Peter and Paul Gully, must be analysed for the characteristics and at the monitoring frequency prescribed in Schedule C Table 3.

Schedule 1C - Table 3 Monitoring requirements for Groundwater Cut Off System

Quality Characteristic	Frequency	
	Monitoring Location	During Land filling, when liquid is present at monitoring point required by (1C5-)
Water Level		Monthl
Temperature		Monthl
Total Dissolved Salts TDS		Quarterl
Electrical Conductivit		Quarterl
Ammonia		Quarterl
Total Nitro en		Quarterl
Nitrate NO ₃		Quarterl
Ammonia (NH ₄		Quarterl
Biolo ical Ox		Quarterl
Heavy Metals (Al, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Sn, Sb, Se, Ti		Quarterly
Total Or anic Carbon TOC		Quarterl
Anions (Cl ⁻ , CO ₃ , HCO ₃ ⁻ , SO ₄ ⁻		Quarterl
Total Or anochlorines		Annually
		Annually
		Annually
		Annually
Alkalinit CaCO ₃		Annually

Quarterly prior to the commencement of land filling at the landfill extension.

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Chemical Oxygen Demand (COD)
Total Dissolved Salts

Annual
Annual

Groundwater Monitoring

- (1C6-1) A Groundwater monitoring network must be installed for each landfill unit. The network must be:
 installed and maintained by a person possessing appropriate qualifications and experience in the fields of hydrogeology and groundwater monitoring program design to be able to competently make recommendations about these matters; and
 include a sufficient number of "bore(s) of compliance", constructed in accordance with the "Minimum Construction Requirements for Water Bores in Australia" (Agricultural and Resource Management Council of Australia and New Zealand 1997), that are located not more than 150 metres from the landfill unit or the boundary of the landfill facility whichever is the closer, and provides the following:
 representative groundwater samples from the uppermost aquifer and from the lower (confined) aquifer; and
 background groundwater quality in hydraulically up-gradient or background bore(s) that have not been affected by any release of contaminants to groundwaters; and
 the quality of groundwater down gradient of any release of contaminants to groundwater including groundwater passing the relevant bore(s) of compliance
- (1C6-2) Conduct monitoring and keep records of groundwater quality. All determinations of groundwater quality must be:
 made in accordance with methods prescribed in the Water Quality Sampling Manual and, where appropriate, in accordance with standards ISO 5667-11 1993 or AS/NZ 5667.11: 1998 Water Quality – Sampling – Guidance on sampling at Groundwaters and ISO 5667-18 2001 Water Quality Sampling – Part 18 – Guidance on Sampling of Groundwater at Contaminated Sites:
 conducted for the water quality characteristics and at the frequency in Schedule 1C - Table 4.
 taken from sufficient monitoring points and/or wells to obtain representative samples of groundwater both up-gradient and down-gradient of the potential influence;
 carried out with sufficient regularity and spatial and temporal replication to make statistically valid conclusions about the presence or absence of a release;
 carried out with sufficient number of sampling events to determine ambient water quality and natural variability prior to any development of the site occurring;
 followed by an assessment of whether or not there has been any statistically significant adverse change compared to background values at locations hydraulically down gradient of the landfill unit for each quality characteristic in Schedule 1C - Table 4.

Schedule 1C – Table 4 Monitoring requirements for groundwater quality
Quality Characteristic

	During Land filling	Pre-Land filling Baseline
Water Level	Monthly Monthly Quarterly Quarterly	
Electrical Conductivity - EC	Quarterly	
Ammonia	Quarterly Quarterly Quarterly Quarterly	
Biological Ox	Quarterly Quarterly	Quarterly prior to the

Heavy Metals (Al, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Sn, Sb, Se, Ti, Zr)	Quarterly	commencement of land filling at the landfill extension.
Total Organic Carbon (TOC)	Quarterly	
C	Quarterly	
Anions (Cl ⁻ , CO ₃ ²⁻ , HCO ₃ ⁻ , SO ₄ ²⁻)	Quarterly	
Total Organochlorines	Annually	
Total Organophosphates	Annually	
Organics (VOC, SVOC, TPH)	Annually	
Total Organic Halogen (TOX)	Annually	
Alkalinity (CaCO ₃)	Annually	
Chemical Oxygen Demand (COD)	Annually	
Total Dissolved Salts	Annually	

- (1C6-3) On any occasion that samples are obtained in accordance with condition (1C6-2) the Registered Operator must measure and record standing groundwater levels in metres accurate to 0.01 metres. The elevation of the reference point, relative to Australian Height Datum, for use in any groundwater level measurement must be determined to an accuracy of 0.01 metres.

Monitoring Review and Summary

- (1C7-1) All groundwater monitoring required by this Environmental authority must be reviewed on an annual basis by an independent person with suitable qualifications and experience to summarise and interpret the results regarding any impacts on the values of the receiving water environment.
- (1C7-2) The review and interpretation of water monitoring results required by Condition (1C7-1) must be provided as a report to the administering authority on an annual basis with each Annual Return.

Prohibition of Use of Certain Materials for Dust Suppression

- (1C8-1) The following materials must not be used for dust suppression purposes:

used oil; and
landfill gas condensate; and
any other material that has been in contact with waste, such as leachate or stormwater runoff from any exposed waste.

Landfill Cell and Pond Construction

- (1C9-1) All ponds used for the storage or treatment of contaminants (including any sediment pond) at or on the authorised place must be constructed, installed and maintained:
- so as to minimise the likelihood of any release of effluent through the bed or banks of the pond to any waters (including ground water);
 - using suitable banks and / or diversion drains so as to exclude clean stormwater runoff from entering the pond or structure,
 - using suitable banks to exclude any rising waters from Peter and Paul Gully during a flood event, sufficient to exclude at least a Q100 flood event;
 - so that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies; and
 - so as to ensure the stability of the ponds' construction.
- (1C9-2) Soils and other materials used in the construction of any waste disposal cells or subcells, above ground embankments, sediment pond and final cover must achieve a hydraulic conductivity which is sufficiently low and be of sufficient thickness so as to prevent or minimise the release of contaminants. As a minimum, the permeability of various landfill features must at least comply with the corresponding limits specified in Schedule 1C – Table 5.
- (1C9-3) Following construction of any landfill unit, above ground embankment, leachate collection pond, or sediment pond, and prior to that structure being commissioned, the permeability of the base and walls of the structure must be tested to ensure it meets the standards required by the conditions of this environmental authority.

In each structure tested at least the following number of permeability tests must be made

at least two permeability tests in each wall of the subject structure; and

at least one permeability test in the base of the subject structure for every 10 000 m² of base area or part thereof.

- (1C9-4) To demonstrate compliance with Condition (1C9-2) and Schedule 1C Table 5, permeability testing must at least include laboratory testing, and subsequent field testing involving Nuclear Density Testing and Microwave Moisture Verification, and must be certified as meeting the prescribed permeability by a suitably qualified and experienced independent person.
- (1C9-5) The landfill extension must incorporate a liner system, capable of containing waste and leachate within the landfill development, and minimise the potential for leachate to be released from the approved premises as seepage.
- (1C9-6) Any landfill cell or sub-cell, above ground embankment, leachate collection pond, sediment pond and final cover must be constructed and operated in accordance with the requirements specified in Schedule 1C – Table 5.

Schedule 1C – Table 5
(Permeabilities and Special Requirements for Landfill Features)

Landfill Feature	Minimum Permeability	Minimum Thickness	Special Requirements
Liner sub base	1×10^{-7}	600mm	Preparation of low permeability clay base beneath the clay liner
Geosynthetic Clay Liner	Equivalent of 600mm of clay with a permeability of at least	Equivalent of 600mm of clay with a permeability of at least	
Confining Base and walls of sediment pond	1×10^{-7}		Sediment pond is not to receive stormwater runoff that has been in contact with waste. Sediment pond is a sediment control device for runoff from disturbed areas
Daily landfill cover	Not specified		Non – dispersive soil. Cover must be applied following the last application of waste for the day. No waste protruding Alternatively, for the active face only, use of a temporary cover such as a 'landfill lid' or other proprietary product that assists to contain odours; minimise wind blown litter; and which assists to control vermin is an acceptable solution where the proprietary product completely covers the active face.
Final landfill cover comprising:			
Daily landfill cover	Not specified		Final landfill cap should not exceed 20 percent slope
- Low permeability cap	1×10^{-8}		No waste protruding
- Soil sub – base	Not specified	200 – 300	
- Top soil	Not specified	At least 150	

Stormwater Management Plan

- (1C10-1) As part of the SBMP required by condition (1A12-1) the Registered Operator must develop and implement a Stormwater Management Plan which addresses at least the following issues:
- diverting clean upstream stormwater away from contaminated areas; and
 - containing contaminated stormwater on site; and
 - minimising the size of contaminated areas; and
 - provision of sedimentation dams and rubbish traps; and
 - minimising the size of disturbed areas by staging works and progressively revegetating or mulching disturbed areas.
- Minimising the size of any active face, including measures to cover the active face when not in use (utilising either day cover or temporary and moveable proprietary products).

END OF CONDITIONS FOR SCHEDULE 1C

Schedule D - Noise

- (1D1-1) Noise from the approved activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.
- (1D1-3) Crushing, milling or grinding of concrete waste is not permitted at the site.
- (1D1-4) In the event of a complaint about noise that the administering authority does not consider to be frivolous or vexatious, and which cannot otherwise be resolved through negotiation, at the request of the Administering Authority the Registered Operator must conduct noise monitoring of emissions from the approved activity in the vicinity of the closest nuisance sensitive or commercial place.
- (1D1-5) In the event noise monitoring is required by the Administering Authority, noise from the approved activity must not exceed the levels specified in Schedule D - Table 1 at any nuisance sensitive or commercial place.

**Schedule D – Table 1
(Noise Levels)**

Time Period	Proponent Noise level at a 'Nuisance Sensitive Place' measured as the $L_{A,e}$ ad' 1hr
7am - 5pm	47 dB(A) or background noise level plus 3 dB(A), whichever is the higher
Time Period	Noise level at a 'Commercial place' measured as the L_A
7am - 5pm	55 dB(A) or background noise level plus 5 dB(A), whichever is the greater

- (1D1-6) No audible noise from the approved premises is authorised at a nuisance sensitive premises (including noise from the use of vehicles, plant and equipment) between the hours 5:00pm to 7:00am Monday to Friday, and 3:00pm to 10:00am Saturday and Sunday.

Noise Monitoring

- (1D2-1) In the event of a complaint to the administering authority that is not considered to be frivolous or vexatious, and at the request of the administering authority, noise monitoring must be undertaken to investigate a complaint of noise nuisance within 14 days, and the results of that monitoring provided to the administering authority once received from any external consultant with an interpretation of the results against the authorised noise levels prescribed by Condition (1D1-5). Monitoring must include:
- background noise level;
 - $L_{Aeq, adjT}$, $L_{Amax, adj, T}$, $L_{A10, adjT}$
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors such as traffic noise; and
 - location, date and time of recording.

- (1D2-2) The method of measurement and reporting of noise levels must comply with the Noise Measurement Manual.

Noise Management Plan

- (1D3-1) In the event noise emitted from the approved activity exceeds noise limits prescribed by Condition (1D1-5) the Registered Operator must develop a noise management plan to assist resolving the complaint. The noise management plan must address at least, but not be limited to, the following matters:
- identification of component noise sources and activities at the place(s) which impact on nuisance sensitive and commercial places;
 - (ii) the measured level of these noise sources and activities at nuisance sensitive and commercial places;
 - (iii) the control or abatement measures necessary to reduce noise nuisance at nuisance sensitive and commercial places;
 - (iv) the predicted reduction in noise at nuisance sensitive places by implementing these measures;
 - (v) time frame for completion of the work proposed;
 - (vi) any necessary community liaison and consultation; and
 - (vii) any training requirements for staff in noise reduction practices.
- (1D3-2) A draft Noise Management Plan must be submitted to the Administering Authority for review and comment within one month of a noise emission that exceeds limits prescribed by Condition (D1-5)
- (1D3-3) After the Administering Authority has commented on the draft Noise Management Plan, the Registered Operator must have due regard to any comments made by the administering authority, and must implement the plan as soon as practicable.
- (2D1-4) **Scrap metal collection** must only occur inside the Transfer Station structure.
- (2D1-5) Vehicle movements within the approved premises must be actively and passively managed to regulate speeds to 40km/hr or less along internal roads. Measures used to achieve compliance with this condition must not include speed bumps, and should otherwise provide for steady vehicle movements along access and exit roads.
- (2D1-6) The roof and walls of the Transfer Station (excluding lower concrete sections to 2.5m) must be constructed of, and / or lined with material that achieves a **Noise Reduction Coefficient** of at least 0.92, and an Rw rating of 39 (for the roof) and an Rw rating of 31 (for walls excluding lower concrete sections to 2.5m).
- (2D1-7) The roof and walls of the Transfer Station must be constructed to ensure open gaps are prevented, with the exception for necessary ventilation requirements, which must be acoustically designed (eg using acoustic louvres) to minimise noise emanating from the Transfer Station structure.
- (2D1-8) Acoustic barriers must;
- be installed around any waste truck loading area, as per Schedule 1H Figure 2;
 - be installed to a height of at least 5.0m extending from the designed roller doors at the North Western and North Eastern corner of the Transfer Station, as per Schedule 1H Figure 2;
 - be installed to a height of 2.4m at the Bonnick Road Boundary, as per Schedule 1H Figure 3;
 - be continuous with no air gaps and be constructed of material with a minimum mass density of at least 12kg/m² or achieve an Rw of at least 20
- (2D1-9) Prior to the commissioning of the Transfer Station, the facility must be physically assessed by a person with appropriate noise mitigation qualifications and experience, verifying by way of a written report, that measures required to comply with conditions (2D1-6) through (2D1-8) have been installed.
- (2D1-10) A copy of the written report required by Condition (2D1-9) of this Environmental authority must be provided to the Administering Authority prior to the commissioning of the Transfer Station.

END OF CONDITIONS FOR SCHEDULE 1D

Schedule 1E – Waste

Waste Acceptance

- (1E1-1) Within 24 months from the commencement date of this Environmental authority, disposal of putrescible waste to the existing landfill must cease.
- (1E1-2) Exposed waste (excluding recyclable waste that is temporarily stored in a defined area) must be limited to the working face of any landfill unit and the area of exposure must be minimised to the greatest extent practicable. For the purpose of this condition, no waste must be deposited beyond the boundaries of the landfill unit(s).
- (1E1-3) Only the following general and limited regulated waste materials are permitted to be accepted:
- domestic waste;
 - commercial waste;
 - domestic clean-up waste;
 - construction or demolition waste;
 - industrial waste;
 - garden wastes;
 - putrescible wastes;
 - solid inert wastes;
 - limited regulated waste may be disposed of in the general waste stream provided the quantity of limited regulated waste received at the facility in a year is not more than 10% of the total waste received at the facility in any calendar year.
- NOTES:**
- (a) wet cell batteries, waste oil and grease trap waste may be accepted and temporarily stored at the licensed place for recycling purposes.
- (b) drums containing any residual regulated waste are a regulated waste unless effectively cleaned in accordance with Operational Policy 'Determinations for management of regulated wastes'.
- (1E1-4) Any limited regulated waste disposed of at the landfill must only be in a solid form*
- (* excluding water treatment plant residues and screenings from Gympie Regional Council Sewage Treatment Plants.)
- (1E1-5) The quantity of limited regulated waste received at the facility in a year must not be more than 10% of the total waste quantity received at the facility in any calendar year.
- (1E1-6) Notwithstanding any condition of this approval, you shall not cause, permit or allow deposition of the following waste materials in the landfill unit:
- liquid or semi-liquid waste other than liquid or semi liquid waste which has been produced in the carrying out of the environmentally relevant activity;
 - hot ash:
 - material that is smouldering or aflame;
 - material containing a substance which is ignitable, corrosive, reactive or toxic (other than materials containing a toxic substance from domestic premises);
 - radioactive wastes;
 - explosives;
 - ammunition, other than ammunition that no longer contains explosives, pyrotechnics or propellants apart from trace residues that are no longer capable of supporting combustion or an explosive reaction;
 - contaminated soil;
 - treatment tank sludge or residues, other than sewage treatment plant screenings and grit;
 - biosolids;
 - grease trap wastes; and
 - green waste – other than green waste that is of a size that cannot otherwise be shredded or composted, or which enters the landfill through the domestic waste collection service.

(* Council must take all reasonable and practical measures to prevent tyres being disposed into the landfill)

- (1E1-7) Limited regulated wastes accepted must be interred in compliance with the special requirements specified in Schedule 1E – Table 1.

**Schedule 1E – Table 1
(Special Requirements for Waste Types)**

Infectious substances or quarantine waste	Rendered non-infectious
Fish processing waste	No liquid waste
Food processing waste	No liquid waste
Poultry processing waste	No liquid waste

- (1E1-8) All exposed waste must be covered each day following the last deposition of wastes in the landfill and comply with the requirements for day cover specified in Schedule 1C Table 5.
- (1E1-9) The following conditions must be complied with in the disposal of all forms of asbestos waste. The asbestos waste must be disposed of:
to a designated asbestos disposal pit(s) where no excavation takes place following the disposal of asbestos waste within that pit, and immediately covered with 200 mm of consolidated earth or equivalent cover material over the entire area of the pit; or
placed at the bottom of the current working face of the landfill unit (the disposal place) and immediately covered with at least 1 metre of waste;
the asbestos waste, the asbestos waste disposal pit or disposal place as the case may be, and all areas within 2 metres of the disposal pit/disposal place and asbestos waste (the 2 metre buffer area) must remain undisturbed following the waste disposal operation (including not placing the waste in a position where any gas extraction wells are likely to be necessary or drilling any gas extraction wells through the waste deposit);
plant and equipment must be available for any necessary preparation of the disposal pit/disposal place upon receipt of the asbestos waste and immediate covering of the asbestos waste and compacting of the area upon placement in the pit; and
the asbestos waste must be contained within the final landfill unit at a minimum distance of two (2) metres from the surface and flanks of the final landfill unit, excluding any final cover system required as a condition of this environmental authority (where final landfill unit means that deposition to the landfill unit has ceased).
- (1E1-10) The Registered Operator must take all reasonable and practicable measures to prevent the commingling of waste authorised to be interred within the landfill with waste not authorised to be interred at the landfill.

Special Burial

- (1E2-1) You must handle and dispose of as a special burial all waste which is likely to cause environmental harm when placed in an exposed position.

Waste Records

- (1E3-1) Keep and maintain records of source, volumes and composition of all waste types accepted at the premises and report these values to the administering authority at the end of each financial year.

Litter Management

- (1E4-1) Where litter is blown or washed from the premises to which this environmental authority relates, the Registered Operator must take all reasonable and practicable actions to:
- retrieve the litter and ensure that it is disposed of in an appropriate manner; and
 - (ii) implement measures to prevent a recurrence of litter being blown or washed from the premises.

Burning

(1E5-1) The Registered Operator must not:

burn waste at or on the place to which this environmental authority relates*; nor
allow waste to burn or be burnt at or on the place to which this environmental authority
relates nor
remove waste and burn such waste elsewhere.

(This condition does not apply to material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm. Additionally, this condition does not refer to activities carried out under the provisions of the Fire Services Act 1990.)*

Public Health Issues

(1E6-1) The Registered Operator must take all reasonable and practicable measures necessary to ensure that the carrying out of the environmentally relevant activity does not cause any adverse effect on public health or any nuisance in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors

Quantities of Waste Disposed

(1E7-1) The Registered Operator must record details of the quantity of wastes interred including the following:

quantity of infectious substances or quarantine waste that has been rendered non-infectious;
quantity of fish processing waste;
quantity of food processing waste;
quantity of poultry processing waste;
quantity of other regulated waste;
total quantity of waste.

*Notes: (1) where a load of general waste contains a number of regulated wastes an estimation of the percentage composition of each regulated waste must be made and recorded;
(2) with respect to this condition, records of all quantities of waste must be expressed as a weight, e.g., kilograms or tonnes.*

(1E7-2) The Registered Operator must not permit putrescible waste to be stored on site overnight or during times when the landfill is not open for the receipt of waste, without that waste being stored in a fully enclosed container or other device that prevents odour nuisance and which prevents contact with rainfall and stormwater runoff.

Note: Waste interred into the landfill in compliance with the conditions of this environmental authority is considered to have been disposed of and is not being stored.

(1E7-3) The final height of the landfill must not exceed RL 83.012m.

END OF CONDITIONS FOR SCHEDULE 1E

Schedule 1F - Land

Preventing Contaminant Release to Land

(1F1-1) Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

(1F1-2) All petroleum product storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

(1F1-3) The base and walls of all bunded areas must be maintained free from gaps and cracks.

END OF CONDITIONS FOR SCHEDULE 1F

Schedule 1G - Community

Complaint Response

(1G1-1) The Registered Operator must record the following details for all complaints received and provide this information to the administering authority on request:

- a) Time, date and contact details of the complainant;
- b) Reasons for the complaint;
- c) Any investigations undertaken;
- d) Conclusions formed; and
- e) Actions taken to resolve the complaint.

END OF CONDITIONS FOR SCHEDULE 1G

Schedule 1H – Maps / Plans

Figure 1 - Existing Landfill and Landfill Extension

Bonnick Road

Landfill Extension

Figure 2 – Acoustic Barriers – Transfer Station structure

Figure 2

Figure 2

www.ghd.com.au

Figure 2

Figure 2

Figure 2

Figure 3 – Acoustic Barrier – Bonnick Road

Figure 3

Schedule H - Definitions

Words and phrases used throughout this licence or environmental authority are defined below:

Where a definition for a term used in this approval is sought and the term is not defined within this approval the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

administering authority" means the Environmental Protection Agency or its successor.

means the Registered Operator or owner / occupier of the land which is the subject of this Environmental authority.

site" means the place to which this environmental authority relates or the premises to which this environmental authority relates.

authorised place" means the place authorised under this environmental authority/environmental authority for the carrying out of the specified environmentally relevant activities.

(H5) **"this authority"** means this environmental authority.

approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*.

annual return" means the annual return for the licence issued under the *Environmental Protection Act 1994* for this development.

(H9) **"dwelling"** means any of the following structures or vehicles that is principally used as a residence –
a house, unit, motel, nursing home or other building or part of a building;
a caravan mobile home or other vehicle or structure on land;
a water craft in a marina.

"Disturbed Areas" means land disturbed but not yet fully rehabilitated at the site, and includes areas used for land filling (*excluding* areas of exposed waste or any active waste disposal face), access roads (sealed and unsealed) and storage or stockpile areas.

noxious means harmful or injurious to health or physical well being.

offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

nuisance sensitive place" includes –

dwelling such as houses, units, motels, resort accommodation, nursing homes, caravans and mobile homes (provided they are principally used as residences), and including the curtilage of any such places;
a surgery or other medical institution;
library, childcare centres, kindergartens, schools or other educational institutions;
a park or garden that is open to the public;
a protected area, or an area identified under a conservation plan as a critical habitat or area or major interest, under the Nature Conservation Act 1992;
a Marine Park under the Marine Parks Act 1992

"Noise Reduction Coefficient" (NRC) means means the *arithmetic average of the sound absorption coefficients* at frequencies 250, 500, 1000 and 2000 Hz.

" $L_{aeq,adj,T}$ " means an A-weighted sound pressure level of a continuous steady sound, adjusted for tonal character, that within a 1 hour period has the same mean square sound pressure of a sound that varies with time.

" $L_{A 10, adj, 10 mins}$ " means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

"L_A 1, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

"L_A, max adj, 10 mins means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"commercial place" means a place used as an office or for business for commercial purposes.

"Scrap Metal Collection" means collection of scrap metal, using an excavator or other heavy machinery to load storage bins or trucks, for removal from the site.

"intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –

is clearly audible to, or can be felt by, an individual; and
annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

"Independent Person" means a person or entity not directly employed by the Registered Operator or owner / occupier of the land which is the subject of this environmental authority. An Independent person may be a person providing consulting advice to the Registered Operator for fee or reward.

"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, or any part thereof.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

(H25) **"mg/L"** means milligrams per litre.

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

"geotechnical stability of the landfill unit" means a situation where instability related to the excessive settlement and subsidence caused by decomposition and consolidation of the wastes deposited in the landfill unit, and sliding instability of the unit slope has ceased.

(H28) **"background noise level"** means either:

LA90, T being the A-weighted sound pressure level exceeded for 90 percent of the time period not less than 15 minutes, using Fast response, or

Labg, T being the A-weighted sound pressure level obtained using Fast response and arithmetically averaging the lowest levels of the ambient sound pressure level during a representative time period of not less than 15 minutes.

"landfill facility" means all contiguous land and structures, other appurtenances, and improvements on the land used or associated with the disposal of waste.

"lower explosive limit" means the lowest percent by volume of a mixture of explosive gases in air that will propagate a flame at 25°C and atmospheric pressure.

"special burial of waste" means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hole, and immediately covers it with earth or other waste material.

"uppermost aquifer" means the geologic formation nearest to the natural ground surface that is an aquifer. The term includes any aquifers that are likely to be hydraulically interconnected with this aquifer within the landfill facility property boundary.

Environmental authorit

“Special Burial of waste” means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hold, and immediately covers that waste with earth or other waste material.

“statistically significant” means when a difference between groups of data is sufficient for a statistical test to reject the *null hypothesis*. For example, a requirement for a statistical test is that you have a minimum of two hypotheses, the null hypothesis and one or more alternative hypotheses. If you have data from two groups of bores (say A = background values and B = values at locations hydraulically down gradient of the landfill unit), and you wish to test whether A is different from B, *the null hypothesis* would be that A and B are from the same population (no significant difference). After performing the statistical test, you will either accept or reject the null hypothesis.

“liquid or semi-liquid waste” means a waste which failed the paint filter liquid test described in the document SW-846 ‘Test Methods for Evaluation of Solid Wastes Physical/Chemical Methods’ published by the United States Environmental Protection Agency; Revision 5; April 1998 or updated version thereof.

“ignitable, corrosive, reactive or toxic materials” are materials as defined in the Queensland Government Environmental Protection Agency ‘ERA 75: Guideline on landfill siting, design, operation and rehabilitation’: 2002.

“RL” means height in metres above mean sea level

“recycling landfill diversion rate” means a calculated figure using the following formula

total tonnes of potential recyclate

“Monitoring and Sampling Manual” means the following documents or more recent additions or supplements to that document as such become available:

Monitoring and Sampling Manual 2009 Environmental Protection (Water) Policy 2009
Version 2 September 2010

“Noise Measurement Manual” means the following document or more recent additions or supplements to that document as such become available:

Environmental Protection Agency. (2000). *Noise Measurement Manual Third Edition*, Environmental Protection Agency, Brisbane, Australia.

“Air Quality Sampling Manual” means the following document or more recent additions or supplements to that document as such become available:

Department of Environment. (1997). *Air Quality Sampling Manual*, Department of Environment, Brisbane Australia.

END OF DEFINITIONS FOR SCHEDULE – H

"**L_A 1, adj, 10 mins**" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

"**L_A, max adj, 10 mins**" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

(H19) "**commercial place**" means a place used as an office or for business for commercial purposes.

(H20) "**Scrap Metal Collection**" means collection of scrap metal, using an excavator or other heavy machinery to load storage bins or trucks, for removal from the site.

(H21) "**intrusive noise**" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –

is clearly audible to, or can be felt by, an individual; and
annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

(H22) "**Independent Person**" means a person or entity not directly employed by the Registered Operator or owner / occupier of the land which is the subject of this environmental authority. An Independent person may be a person providing consulting advice to the Registered Operator for fee or reward.

(H23) "**waters**" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, or any part thereof.

"**land**" in the "land schedule" of this document means land excluding waters and the atmosphere.

(H25) "**mg/L**" means milligrams per litre.

(H26) "**leachate**" means a liquid that has passed through or emerged from, or is likely to have passed through or emerged from, a material stored, processed or disposed of at the licensed place which contains soluble, suspended or miscible contaminants likely to have been derived from the said material.

(H27) "**geotechnical stability of the landfill unit**" means a situation where instability related to the excessive settlement and subsidence caused by decomposition and consolidation of the wastes deposited in the landfill unit, and sliding instability of the unit slope has ceased.

(H28) "**background noise level**" means either:

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(H29) "**landfill facility**" means all contiguous land and structures, other appurtenances, and improvements on the land used or associated with the disposal of waste.

(H30) "**lower explosive limit**" means the lowest percent by volume of a mixture of explosive gases in air that will propagate a flame at 25°C and atmospheric pressure.

(H31) "**special burial of waste**" means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hole, and immediately covers it with earth or other waste material.

(H32) "**uppermost aquifer**" means the geologic formation nearest to the natural ground surface that is an aquifer. The term includes any aquifers that are likely to be hydraulically interconnected with this aquifer within the landfill facility property boundary.

“Special Burial of waste” means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hold, and immediately covers that waste with earth or other waste material.

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“RL” means height in metres above mean sea level

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total tonnes of potential recycle

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Department of Environment. (1997). *Air Quality Sampling Manual*, Department of Environment, Brisbane Australia.

END OF DEFINITIONS FOR SCHEDULE – H

PART 5

Environmentally relevant activity(ies)

Location(s)

60-(2a) Waste disposal >50t but <2,000t yr

Lot 141 on Plan MCH4318 – Balkin Street, GUNALDA
QLD 4570

SCHEDULE A - ACTIVITY

Prevent and /or minimise likelihood of environmental harm

In carrying out the environmentally relevant activity, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this approval.

NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

The registered operator must:

install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
maintain such measures, plant and equipment in a proper and efficient condition; and
operate such measures, plant and equipment in a proper and efficient manner.

Records

Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Site Based Management Plan (SBMP)

Prior to the commencement of any environmentally relevant activity ('the activity') under this environmental authority, the registered operator must:

develop a Site Based Management Plan (SBMP) which provides for the effective management by the registered operator of the actual and potential environmental impacts resulting from the carrying out of the activity; and
implement and maintain the SBMP from the commencement of carrying out the activity.

The SBMP must provide for at least the following functions:

Training staff in the awareness of environmental issues related to carrying out the activity, which must include at least:

The environmental policy of the registered operator, so that all persons that carry out the activity are aware of all relevant commitments to environmental management;

Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these;

Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused;

Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation);

Environmental authority

Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively;
 Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 Their obligations in respect of monitoring, notification and record keeping obligations under the SBMP and relevant environmental authorities and/or development approvals; and

Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 Conducting assessment of the environmental impact of any release of contaminants into the environment;

Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than five yearly;

- e) Waste prevention, treatment and disposal; and
- f) A program for continuous improvement.

The registered operator must not implement or amend a SBMP (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activity

END OF CONDITIONS FOR SCHEDULE A**SCHEDULE B - AIR****Nuisance**

The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place

Dust nuisance

The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place.

Exceedence of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition (B2-1).

Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991: OR

A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the site, when monitored in accordance with:

Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method': or

any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority

When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:

for a complaint alleging dust nuisance, dust deposition; and

for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time

END OF CONDITIONS FOR SCHEDULE B

SCHEDULE C - WATER

Release to waters

Contaminants must not be released from the site to any waters or the bed and banks of any waters.

Stormwater management

There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.

Erosion protection measures and sediment controls

Prevent the release of sediment to waters or a build up of sediment in any stormwater drain.

Pond conditions

All ponds used for the storage or treatment of contaminants or wastes at or on the authorised place must be constructed, installed and maintained:

- so as to minimise the likelihood of any release of effluent through the bed or banks of the pond to any waters (including ground water);
- so that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies; and
- so as to ensure the stability of the ponds' construction.

END OF CONDITIONS FOR SCHEDULE C

SCHEDULE D - NOISE AND VIBRATION

Noise nuisance

Noise from activities must not cause an environmental nuisance at any noise sensitive place or any commercial place.

In the event of a complaint about noise environmental nuisance that the Administering Authority considers is not frivolous or vexatious then a noise management plan is to be developed within one (1) month of the registered operator being advised in writing of the complaint. The noise management plan must address at least, but not be limited to, the following matters:

- identification of component noise sources and activities at the place(s) which impact on noise sensitive areas;
- the measured and/or predicted level of these noise sources and activities at noise sensitive places;
- the reasonable and practicable control or abatement measures that can be undertaken to reduce identified intrusive noise sources;
- the level of noise at noise sensitive places that would be achieved from implementing these measures.
- e the handling of future noise complaints;
- f) community liaison and consultation; and
- g training of staff in noise management practices.

Upon the completion of the noise management plan it must be submitted to the Administering Authority within 14 days for its review and comment.

After the Administering Authority has provided comment on the noise management plan, the registered operator must implement the plan as soon as practicable.

END OF CONDITIONS FOR SCHEDULE D

Environmental authority

SCHEDULE E - WASTE**Waste handling**

All regulated waste removed from the site must be removed by a person who holds a current approval to transport such waste under the provisions of the *Environmental Protection Act 1994*.

Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.

The registered operator must not:

- allow waste to burn or be burned at or on the site; nor
- remove waste from the site and burn such waste elsewhere.

(This condition does not apply to the material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm and this condition does not refer to activities carried out under the provisions of the Fire Services Act 1990.)

Off Site Movement

Where regulated waste is removed from the site (other than by a release as permitted under another schedule of this environmental authority), the registered operator must monitor and keep records of the following:

- the date, quantity and type of waste removed;
- name of the waste transporter and/or disposal operator that removed the waste; and
- the intended treatment/disposal destination of the waste.

Waste Acceptance and Operating Criteria

This environmental authority permits only the following wastes to be disposed of at the site

- (domestic waste;
- (commercial waste;
- (domestic clean-up waste;
- (construction or demolition waste;
- (e industrial waste;
- (f) garden wastes;
- (g) putrescible wastes;
- (h) solid inert wastes;
- (i) limited regulated waste may be disposed of in the general waste stream provided the quantity of limited regulated waste received at the facility in a year is not more than 10% of the total waste received at the facility in any calendar year.

NOTES:

wet cell batteries and waste oil may be accepted and temporarily stored, in accordance with conditions (E4-1), (E4-2) and (E5-1), at the site for recycling purposes.

drums containing any residual regulated waste are a regulated waste unless effectively cleaned in accordance with Operational Policy 'Determinations for management of regulated wastes'.

definitions of domestic, commercial, domestic clean-up, construction or demolition, industrial, garden, and regulated wastes are in Schedule H.

Limited regulated waste disposed of at the landfill must only be in a solid form.

Where limited regulated waste is to be interred in a waste disposal cell that is not lined with an impermeable liner material the limited regulated waste must comply with the waste acceptance criteria in schedule E – Table 1.

**Schedule E - Table 1.
Waste Acceptance Criteria - Unlined Waste Disposal Cells**

Contaminant	Maximum contaminant level in solid waste	Maximum contaminant leaching level
Antimon		
Arsenic		
Barium		
Cadmium		
Chromium		
Cobalt		
Cu		
Cr		
Lead		
Mercury		
Molybdenum		
Nickel		
Selenium		
Silver		
Thallium		
Ti		
Vanadium		
Zn		
Bromide		
Chloride		
Cyanide total		
Fluoride		
Si		
Nitrate		
Total organic carbon		10000
Benzene		
Ethyl Benzene		
Toluene		
X		
Total Monocyclic aromatic hydrocarbons		
Anthracene		
Benz(a)anthracene		0.005
Benz(c)phenanthrene		0.005
Benzo(a)pyrene		0.002
B(b)fluoranthene		0.005
Benzo(k)fluoranthene		0.005
Chrysene		
Dibenz(a,h)anthracene		0.002
D		
Dimethylbenz(a)anthracene		0.005
Fluoranthene		
Indeno(1,2,3-cd)pyrene		
Naphthalene		
Phenanthrene		
P		
Total polycyclic aromatic hydrocarbons (PAH)		

Phenol
m-cresol
o-cresol
-cresol
Total non-halogenated

Carbon tetrachloride
1,2 Dichloroethane
1,1 Dichloroethene 0.003
Tetrachloroethene
Trichloroethene

Chlorobenzene
Hexachlorobenzene 0.002
Total chlorinated aromatic compounds

Aldrin
Chlordane 0.006
Chl

Dieldrin
DD 0.003
Endrin

Heptachlor 0.003
Lindane

Methoxychlor
Toxaphene 0.005
Total

2,4-D
2,4-DB
MCPA
2,4,5 0.002
Total herbicides

Carbaril
Carbofuran
Total

Diazinon
Parathion
Methyl Parathion 0.006
Total

Atrazine
Simazine
Total

Total 10000
Total al 10000

Total Petroleum Hydrocarbons

Note: The contaminant levels in Table 3 are drawn from the limits applicable to unlined and lined landfills provided in Appendix C, Tables 1& 2 of the Liquid Industrial Waste Policy And Management Plans - Brisbane City Council 1994. Where a waste contains substances other than those listed, then disposal will be at the discretion of the relevant landfill registered operator subject to the general duty not to cause environmental harm and to an approval under Part 8 of the Environmental Protection Act 1994.

The following conditions must be complied with in the disposal of all forms of asbestos waste:

- (a) the asbestos waste must be disposed of:
- to a designated asbestos disposal pit(s) where no excavation takes place following the disposal of asbestos waste within that pit, and immediately covered with 200 mm of consolidated earth or equivalent cover material over the entire area of the pit; or
 - placed at the bottom of the current working face of the landfill unit (the disposal place) and immediately covered with at least 1 metre of waste;
- the asbestos waste, the asbestos waste disposal pit or disposal place as the case may be, and all areas within 2 metres of the disposal pit/disposal place and asbestos waste (the 2 metre buffer area) must remain undisturbed following the waste disposal operation (including not placing the waste in a position where any gas extraction wells are likely to be necessary or drilling any gas extraction wells through the waste deposit);
- plant and equipment must be available for any necessary preparation of the disposal pit/disposal place upon receipt of the asbestos waste and immediate covering of the asbestos waste and compacting of the area upon placement in the pit; and
- the asbestos waste must be contained within the final landfill unit at a minimum distance of two (2) metres from the surface and flanks of the final landfill unit, excluding any final cover system required as a condition of this environmental authority (where final landfill unit means that deposition to the landfill unit has ceased).

Waste Batteries

Used wet cell batteries must only be stored at the waste disposal facility for a period of up to one (1) month and must be stacked in an upright position and stored in an area designated for this purpose.

Where storage of waste batteries is to occur for periods of longer than one (1) month they must be stored in a covered enclosure which has been bunded to contain spillage's and leakages.

Waste Oil

Waste oil must be temporarily stored in receptacle(s) at the waste disposal facility, and the receptacle(s) must :

- a be stored in an area which is bunded to contain spillages and leakages;
- b have closures in place to prevent rainwater entry and spillage (if knocked over); and
- c have a filling mechanism which prevents rainwater entry.

Bunding

Where it is impractical to completely roof a bunded area, the registered operator must ensure that all spilled materials in bunded areas are cleaned-up as soon as practicable.

Used tyres temporarily stored at the waste disposal facility must be stockpiled:

- (a) in a designated area;
- with no more than 500 passenger tyre equivalents in whole or equivalent parts at any one time.

Tyres stored awaiting disposal or transport for take-back and, recycling, or waste-to-energy options must be stockpiled in volumes less than 3m in height and 200 sq.m in area and at least 10m from any other tyre storage area.

All reasonable and practicable fire prevention measures must be implemented, including removal of grass and other materials within a 10m radius of the scrap tyre storage area.

Prohibited wastes

The following wastes must not be accepted onto the site:

liquescant waste streams or any waste capable of yielding free liquids (does not include leachate or condensate arising from gas collection within the site);

- untreated infectious and chemical wastes and liquid pharmaceuticals from related waste stream;
 cytotoxic wastes;
 untreated sharps;
 (e) S8 pharmaceuticals;
 f) all radioactive wastes, unless otherwise approved under the *Radioactive Substances Act 1958*;
 pyrophoric wastes (where co-disposed with other potentially combustible material); and
 explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction.

No wastes must be interred at the waste disposal facility which exhibit any of the hazard characteristics listed in Schedule E - Table 2.

Schedule E - Table 2.

Hazard Characteristic	Description Of The Hazard Characteristic
Ignitability	Regulated wastes that are capable of causing a fire when ignited through friction, absorption of moisture, or spontaneous chemical changes under standard temperature and pressure
Corrosivity	Regulated wastes which on dissolution

Notwithstanding conditions (E8-1) and (E3-1) of this environmental authority, minor amounts of regulated waste not specifically permitted to be accepted may be deposited at the site provided

the regulated waste is incidental to and commingled with the general waste stream; and
 the quantity and concentration of the regulated waste (both individually and in aggregate) is insignificant; and
 it is impracticable to segregate the regulated waste from other waste which is permitted to be deposited; and
 the deposition of the regulated waste is not likely to cause any risk of fire, explosion, public health danger, nuisance, or environmental harm; and
 all practicable steps are taken to inform persons using the facility that such wastes are not be used in the waste stream to be deposited at the waste disposal facility.

If the registered operator becomes aware that a person has removed regulated waste from the site and disposed of the regulated waste in a manner which is not authorised by the environmental authority or improper or unlawful, then the registered operator must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

In the event that the registered operator becomes aware of prohibited waste being commingled in any waste stream the registered operator must:

- cease the depositing of such waste;
- remove the prohibited waste and store in a proper and efficient manner;
- notify the person who sent the prohibited waste to the premises to which this approval relates of the detection of prohibited waste in the waste received;
- as soon as practicable arrange for a person who can lawfully transport such waste to collect such waste;
- arrange for the person transporting the prohibited waste to transport such waste to a facility that can lawfully accept such waste; and
- produce the following records:
 - (i) type of prohibited waste;
 - (i) quantity of prohibited waste;
 - (i) date of disposal;

name and address of the person(s) transporting the prohibited waste to the facility;

d

name and address of the person(s) who generated the prohibited waste (if such person(s) can be reasonably identified).

For the purpose of this condition, "prohibited waste" means a waste that is not permitted to be accepted at that landfill facility by a condition of this environmental authority.

Exposed waste (excluding recyclable waste that is temporarily stored in a defined area) must be limited to the working face of any landfill unit and the area of exposure must be minimised to the greatest extent practicable. For the purpose of this condition, no waste must be deposited beyond the boundaries of the landfill unit(s).

Earthen material necessary for coverage of deposited waste must be stored and be readily available at the premises to which this environmental authority relates in a quantity sufficient for not less than two weeks operation of the landfill facility.

Deposited waste must be covered:

with earthen material to a thickness of at least 0.2 metres; or

with other alternative material of sufficient thickness and nature to ensure that there is no exposure of waste; but to a thickness of at least 0.2 metres.

For the purpose of this condition, the use of any alternative material must initiate a trial for a period of up to 3 months, such that potential environmental harm (eg. odour, vermin breeding) is assessed and reported to the administering authority upon completion.

An all-weather internal road must be provided and maintained to the working face of the landfill facility at all times.

Clinical Waste Management

The waste disposal facilities within Tiaro Shire (a scheduled area) may only accept a limited amount of clinical waste (up to five tonnes per year) from sources that are within Tiaro Shire.

Clinical waste must be disposed of under supervised burial conditions, meaning that:

a local government representative should supervise the immediate burial of the waste; clinical waste should be deposited at the lowest edge of the landfill working face or excavation;

the waste should be covered immediately with at least one metre of solid general waste or clean fill;

any compaction must only be on the cover material – not on the clinical waste directly; the clinical waste disposal area should be at least two metres from the proposed or design edge of the landfill;

f) the location of the deposited waste should be marked on the landfill site map;

g) clinical waste should be at least two metres below the final surface of the landfill;

h) the name and address of the generating premise(s), and the amount and type of waste deposited should be recorded; and

a copy of this information should be given to the person depositing waste for their records.

Construction of Disposal Areas

(E10-1) Ensure that any active waste disposal area is constructed to allow plant and machinery access so that wastes can be effectively consolidated, compacted and covered.

(E10-2) Where an active disposal area or any part thereof is installed above ground the embankments must be maintained to ensure the stability and integrity of construction.

Soil Permeability

(E11-1) Soils or other materials used in the construction of any waste disposal cells, above ground embankments, storage ponds and final cover must achieve an insitu hydraulic conductivity which is sufficiently impervious so as to prevent or minimise the release of leachate from the waste disposal area to waters including groundwater.

Active Waste Disposal Area Management

- (E12-1) Ensure that all wastes accepted for disposal at the site are not disposed of:
- a beyond any active waste disposal area; and
 - b into waters or leachate; and
 - c beyond the catchment of any leachate collection drains if installed as part of a leachate collection system.
- (E12-2) The registered operator must ensure that exposed wastes are confined to the operating face of the active waste disposal area and that the operating face is maintained at a minimum practicable size at all times.

Leachate Management

- (E13-1) Ensure that all reasonable and practical measures are taken to ensure the disposal area is operated and managed so as to minimise the generation of leachate.

Minimising Releases of Leachate to Groundwater

- (E14-1) The registered operator must take all reasonable and practicable measures to prevent and/or minimise the release of leachate to groundwater and likelihood of such release. Such releases must be minimised to that extent that environmental harm is not caused or likely to be caused

Leachate Disposal

- (E15-1) Leachate generated on the site must only be disposed of so that there is no direct or indirect release of contaminants to any groundwater, stormwater drain, roadside gutter or surface watercourse.
- (E15-2) Ensure that any leachate or contaminated stormwater generated on the site is collected and:
- conveyed to a leachate storage dam or pond; and/or
 - disposed of in accordance with condition (E15-3).
- (E15-3) Leachate or contaminated stormwater which is intercepted and collected on the site may be disposed of:
- a by evaporation; or
 - b by recirculation back into the areas of the site where waste disposal is taking place; or
 - c by spray irrigation over exposed wastes; or
 - (d) by disposal to sewer.

Leachate Storage Ponds or Dams

- (E16-1) Ensure that any pond or dam installed at the site which is used for the collection and storage of leachate or contaminated stormwater must be:
- constructed of low permeability soils or other material so as to prevent any direct or indirect release of contaminants through the base or embankments; and
 - maintained to ensure the stability and integrity of construction.
- constructed and managed so that a freeboard capable of preventing overspill is maintained to store excess volume when annual rainfall of a 1 in 10 year recurrence period occurs.

Public Health, Nuisance and Litter Issues

- (E17-1) The registered operator must take all reasonable and practicable measures necessary to ensure that the carrying out of the environmentally relevant activities do not cause any adverse effect on public health or any nuisance, particularly in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors.
- (E17-2) In the event of any adverse effect upon public health and / or any nuisance arising from the conduct of the environmentally relevant activities, the registered operator must take all reasonable and practicable measures necessary to:
- (a) abate such adverse effects and such nuisance; and
 - prevent the likelihood of any recurrence of the circumstances that gave rise to such adverse effects and / or such nuisance.

- (E17-3) The registered operator must use all practicable means to exclude from refuse disposal areas access of birds, cattle, dogs and other pest species to that extent necessary to ensure that such birds, dogs and other pest species do not cause any:
- (a) danger or risk to the health of any persons; or environmental harm.
- (E17-4) Where litter is blown or washed from the premises to which this environmental authority relates, the registered operator must take all reasonable and practicable actions:
- (a) to retrieve the litter and ensure that it is disposed of in an appropriate manner; and to implement measures to prevent a recurrence of litter being blown or washed from the premises.
- (E17-5) The registered operator shall ensure that the movement of litter within the site does not cause environmental harm or nuisance through the use of practical and effective litter control measures and management practices, such measures may include but are not limited to:
- minimisation of areas of uncovered wastes;
 - (b) frequent applications of cover material to deposited wastes;
 - (c) the use of relocatable litter screens around the area of the waste deposition;
 - (d) the use of fixed litter control fencing around the perimeter or other places; and the implementation of regular litter collection programs that include cleaning of site perimeter fencing.

Landfill Unit(s) Interim Closure Management

- (E18-1) The registered operator must implement interim closure management for landfill unit(s) that are not accepting waste.
- For the purpose of this condition, interim closure management must include at least the following:
- (a) the installation of an interim cover system that is designed with effective drainage systems to minimise erosion and to minimise water ponding; and a stabilisation program including practicable measures for revegetation and or mulching.

Landfill Facility Post-closure Management

- (E19-1) The registered operator must develop and provide to the administering authority a draft landfill post-closure management program for review and comment at least twelve (12) months before the expected final receipt of waste in any landfill unit.
- (E19-2) The landfill post closure management program must include details of at least the following:
- (a) the total waste volumes or tonnage of the landfill unit being closed; and form relief plan including the extent of the landfill footprint; the design of a final cover system including thickness and permeability of cover layers and any lateral drainage layers; the erosion prevention system that is designed with effective drainage systems to minimise erosion and to minimise water ponding;
 - (e) the revegetation and stabilisation program for the landfill to minimise final cover erosion and final cover species root penetration through to the waste pile; the procedures for maintaining and operating any stormwater management system;
 - (g) the procedures for maintaining and operating any leachate collection system;
 - (h) any proposed nuisance or wildlife control procedures; the proposed land use at the premises to which this environmental authority relates during and after the rehabilitation program; and the expected date the registered operator intends to begin rehabilitation activities and the expected time-lines to implement the program.

For the purpose of this condition, the landfill post-closure management program must be effective in preventing and / or minimising the likelihood of environmental harm being caused or allowed. The program must include measures and schedule timeframes to:

- monitor the structural integrity and effectiveness of the final cover system, particularly for erosion and subsidence of the cover system; and
- monitor any leachate, surface water, receiving water and groundwater monitoring system at a frequency sufficient to detect any release of contaminants to water resources.

- (E19-3) For the purposes of preventing and / or minimising the likelihood of environmental harm being caused as a result of deposition of waste, the registered operator must, following cessation of deposition of waste in the landfill facility, conduct post-closure management measures for:
- a period of 30 years; or
 - such shorter period until it is demonstrated to the administering authority in a competent manner using factually correct information that the landfill unit(s) within the landfill facility and surrounding site are geotechnically stable and that no release of waste materials, leachate, uncontrolled landfill gas or other contaminants to the environment is likely.

Vehicle Access

- (E20-1) The registered operator shall ensure that all weather access roads must be provided to the site and to the designated waste disposal area. Vehicle traffic must be closely controlled within the site by suitable barriers to ensure that waste is deposited only in designated areas.

Signage

- (E21-1) The registered operator must ensure that signs are erected at the entrances to the site and in a prominent position on the site, and be maintained in good repair to provide at least, the following:
- details of wastes which can be accepted at the site and wastes which are prohibited;
 - advice that when the site is closed, that unauthorised dumping of waste is prohibited;
 - advice prohibiting the lighting of unauthorised fires on the site;
 - the location of the tipping face; and
 - the location of any wastes segregated and recycling areas.

Fire Prevention

- (E22-1) An effective fire break must be provided and maintained.

Scavenging

- (E23-1) Scavenging of materials from the waste disposal area is prohibited except where a written agreement exists between the licensee and an approved scavenging contractor. Food, clothing, bedding, toiletries and other personal effects are not permitted to be scavenged from the site

END OF CONDITIONS FOR SCHEDULE E

SCHEDULE F - LAND

Preventing contaminant release to land

Contaminants must not be released to land.

Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

The base and walls of all bunded areas must be maintained free from gaps or cracks.

END OF CONDITIONS FOR SCHEDULE F

SCHEDULE G - COMMUNITY

Complaint response

All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.

END OF CONDITIONS FOR SCHEDULE G

SCHEDULE H - DEFINITIONS

Words and phrases used throughout this licence or environmental authority are defined below:
Where a definition for a term used in this approval is sought and the term is not defined within this approval the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

administering authority" means the Environmental Protection Agency or its successor.

approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*.

authorised place" means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.

clinical waste" means waste that has the potential to cause disease including, for example, the following:

- animal waste;
- discarded sharps;
- human tissue waste;
- laboratory waste.

commercial place" means a place used as an office or for business or commercial purposes.

commercial waste" means waste (other than garden waste, recyclable waste, interceptor waste or waste discharged to a sewer) resulting from the use or occupation of any premises, or part thereof, being—
a hotel, motel, caravan park, cafe, food store, canteen or like premises; or
an assembly building, institutional building, school, kindergarten or child minding centre; or
(c) premises where any spectator sport or any game is played; or
(d) an exhibition ground, showground, racecourse, or like premises; or
an office, shop or other premises whatsoever, where there is carried on any business or work, other than a manufacturing process.

construction or demolition waste" means waste resulting from carrying out a construction or demolition activity, but does not include paper, cardboard, unseasoned timber, vegetation, paper-covered plasterboard, metals (other than steel reinforcing rods) and regulated waste.

"domestic clean-up waste" means non-putrescible, dry and inoffensive waste (other than garden waste or recyclable waste) resulting from a general clean-up of any premises or any part thereof, being—

- (a) a single unit private dwelling; or
-) premises containing 2 or more flats, apartments or other dwelling units, each used as a separate domicile; or
- (c) a boarding house, hostel, lodging house or guest house.

"domestic waste" means waste (other than domestic clean-up waste, garden waste, recyclable waste, interceptor waste or waste discharged to a sewer) resulting from the ordinary domestic use or occupation of any premises or any part thereof, being—

- (a) a single unit private dwelling; or
- premises containing 2 or more flats, apartments or other dwelling units, each used as a separate domicile; or
- (c) a boarding house, hostel, lodging house, or guest house.

"dust sensitive place" means -

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a dwelling, mobile home or caravan park, residential marina or other residential place;
 a motel, hotel or hostel;
 a kindergarten, school, university or other educational institution;
 a medical centre or hospital;
 a protected area;
 a park or gardens; or
 a place used as an office or for business or commercial purposes

and includes the curtilage of any such place

"dwelling" means any of the following structures or vehicles that is principally used as a residence-

a house, unit, motel, nursing home or other building or part of a building;
 a caravan mobile home or other vehicle or structure on land;
 a water craft in a marina.

"garden waste" means grass cuttings, trees, bushes, shrubs, loppings of trees, bushes and shrubs, and material of a like nature resulting from the ordinary use or occupation of any premises or any part thereof

"industrial waste" means interceptor waste and waste other than—
 waste discharged to a sewer or to a treatment process which may be prescribed under the Standard Sewerage Law, section 35;
 domestic waste, domestic clean-up waste, commercial waste, garden waste, recyclable biodegradable waste or recyclable waste.

"infectious waste" means "clinical waste"

"intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

is clearly audible to, or can be felt by, an individual; and
 annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere

"limited regulated waste" means any of the following regulated wastes, asbestos, clinical waste or quarantine waste that has been rendered non-infectious, fish processing waste, food processing waste, poultry processing waste, tyres or treatment tank sludge or residue.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"noise sensitive place" means -

a dwelling, mobile home or caravan park, residential marina or other residential premises; or
 a motel, hotel or hostel; or
 a kindergarten, school, university or other educational institution; or
 a medical centre or hospital; or
 a protected area; or
 a park or gardens.
 and includes the curtilage of such place.

"noxious" means harmful or injurious to health or physical well being.

"nuisance sensitive place" includes -

a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
 a motel, hotel or hostel; or

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a kindergarten, school, university or other educational institution; or
 a medical centre or hospital; or
 a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
 a public thoroughfare, park or gardens; or
 a place used as a workplace, an office or for business or commercial purposes
 and includes a place within the curtilage of such a place reasonably used by persons at that place

odour sensitive place" has the same meaning as a "dust sensitive place"

offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

registered operator" means the holder of a registration certificate for the activity to which this Environmental authority relates, issued under Section 73F of the *Environmental Protection Act 1994* and in force.

regulated waste" means non-domestic waste mentioned in Schedule 7 of the Environmental Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes

for an element - any chemical compound containing the element; and
 anything that has contained the waste.

site" means land or tidal waters on or in which it is proposed to carry out the development approved under this environmental authority.

waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

means the registered operator of this environmental authority or owner / occupier of the land which is the subject of this environmental authority.

END OF DEFINITIONS FOR SCHEDULE H

END OF CONDITIONS

Published on DES Disclosure Log
RTI Act 2009

Assessment Report

Environmental Protection Act 1994

Variation or amendment application

This assessment report is for variation or amendment applications for environmental authorities for environmentally relevant activities under the Environmental Protection Act 1994.

Note: checkboxes disabled to allow use of track changes. Use 'insert symbol' to insert ticks or crosses as required.

PROJECT NAME:

PRINCIPAL APPLICANT: Gympie Regional Council

JOINT APPLICANTS: Nil

AGENT/ SERVICE ADDRESS: PO Box 155, Gympie QLD 4570

ERA DESCRIPTION: ERA 60 (23) Waste disposal of >20,000 to <50,000t/yr

LOCATION DESCRIPTION: Bonnick Road, Gympie: Lot 542 on MCH801883

TENURE DESCRIPTION:

ECOTRACK PROJECT NO: 337551

ENVIRONMENTAL AUTHORITY NO: EPPR00816213

FILE NO: 101/0013128

Type of application

Variation application – change to standard conditions

Amend an existing Environmental Authority¹

☐ Minor amendment – condition conversion →go to 2

☒ Minor amendment (threshold) →go to 3

☐ Major amendment →go to 3

¹ Applicants are excluded from applying to amend their EA if they triggered a material change of use under SPA (and therefore needed a development approval (DA)) and have not applied for their DA first.

Has the applicant signed written declaration that they can comply with eligibility criteria and standard conditions for the ERA to which the authority relates?

☒ Yes →go to 3

Have applicant complete the declaration, or

→go to 11 and recommend refusal

Is the application requesting amendment of a standard condition that requires the relevant activity comply with the relevant eligibility criteria?

☐ Yes → you may wish to give written refusal of the amendment application within 10 BD of its receipt and, where reasonable, consider whether a site-specific application should also be required under section 227A. In this instance, no further assessment or assessment level decision is necessary. If it is not reasonable to refuse the application and require a site specific application (e.g. where the eligibility criteria require that the activity does not have a sensitive receptor within 1km, and a sensitive receptor is subsequently established within 1k of the existing activity) the application may proceed as a major amendment.

Background

Gympie Regional Council (GRC) currently operates ERA 60 Waste disposal at threshold (2e) (>20,000 - <50,000 t/yr) at Lot 542 on Bonnick Road, Gympie. The conditions for the operation of the waste disposal facility are contained in the previously approved development approval SPCE01417310 issued on 29th May 2012

On the 1st December 2014 GRC made an application to EHP to convert all of the DA conditions to an EA, resulting in the transfer of the DA conditions to the new EA number EPPR008816213.

GRC also made an EA amendment application on the same day to make some changes to the conditions in the EA:

Deletion of condition 1D1-2 (relating to (green waste mulching)

Change of condition 1C3-1 (relating to the use of the landfill as a bioreactor)

GRC also requested the deletion of condition 2D1-2, which is for the set of conditions relating to ERA 62 Waste Transfer Station also contained in DA SPCE01417310. In accordance with Schedule 2 – Part 12 Waste management - Item 62 of the EP Regulation:

(3) The relevant activity does not include operating a waste transfer station on a site if an activity to which section 60 applies is carried out on the site.

Thus, the conditions for ERA 62 are not required to be transferred to the new EA and have purposefully been omitted in the amended version of EPPR008816213.

Assessment Level Decision (ALD) (amendment applications only - not condition conversion)

What is the assessment level decision?

☒ Minor (threshold)

☐ Major - Notice of ALD must be given to the applicant within 10 BD of making an ALD

Proposed deletion of condition 2D1-2 is also not considered to be a major amendment as any mulching activities to be carried out at this site must be conducted in compliance with any relevant EA conditions that apply to this site.

Changing the condition for the contents of a bioreactor management plan for this site is a minor amendment given that relevant model conditions for leachate management can be used to substitute this condition. The applicant reasons the change of the condition with the fact that the given landfill site is too small for the operation of a bioreactor and thus just a leachate management plan will be developed and implemented.

Documents submitted to support the application

- | | |
|--|--|
| ☐ Rehabilitation Plan/Report (if removing an ERA)

☐ Compliance statement (if removing an ERA)

☐ Declaration stating activity was not carried out (if removing an ERA) | ☐ Post Closure Management Plan (if removing an ERA)

☐ Declaration – Compliance with eligibility criteria (required for variation)

☐ Registered suitable operator number or application (required for variation) |
|--|--|

Assessment

Are all the ERAs for the environmental authority eligible ERAs? (Variation Application only)

- ☐
- ☐ No – this application **must** be refused under s. 173 of the EP Act
- ☒ Not applicable

Describe the proposed variation or amendment

Condition (if applicable)	Details of proposed change to condition or EA	Applicant's justification for proposed change to condition or EA	Changes undertaken by the department as part of the amendment application
1C3-1	<p>A Management Plan detailing the successful operation of both the existing landfill and the landfill extension as a Bioreactor must be developed within 6 months from the effective date of this Development Approval. The management plan must include (but not necessarily be limited to) the following matters:</p> <ul style="list-style-type: none"> - goals to be achieved from operating the landfill as a bioreactor; - measures and procedures that will minimise the generation of leachate; - existing leachate quality for the parameters stated in Schedule 1C Table 2 - expected changes in leachate quality and quantity during the life of the landfill that demonstrates the landfill is effectively operating as a bioreactor; - expected changes in leachate quality and quantity that would suggest the landfill is not effectively operating as a bioreactor; 	<p>Council argues that <i>"the size of the landfill and the gas generation potential does not justify landfill gas utilisation with gas engine or any other system, therefore it would be pointless to increase the gas generation without being able to utilise it. In practice, Bonnick Road does not meet prerequisites to plan modern state of the art Bioreactor Landfill."</i></p>	<p>Replaced with ERA 60 model condition G12:</p> <p>Leachate and stormwater runoff which has been in contact with waste materials in the landfill unit, must be collected in the leachate storage facility and be:</p> <ol style="list-style-type: none"> 1. treated in the leachate treatment plant and discharged to sewer in accordance with the requirements of the relevant water utility; or recirculated through waste disposed in the landfill unit; or treated by alternative technologies agreed by the administering authority for offsite disposal, discharge, or on-site reuse; or <p>disposed of at a facility that is approved to receive such waste.</p>

- methods of leachate recycling that maximise the successful performance of the landfill as a bioreactor:
- circumstances where leachate must be removed from the site (quality or quantity)
- disposal and treatment options for leachate that must be removed from the site:
- general information about the capability of any external disposal or treatment facility that may receive leachate from the site, taking into consideration (among other things):
 -) the treatment or disposal capability of the facility; and
 - any environmental discharges from the selected treatment or disposal facility to the environment, and whether receipt of leachate from the landfill will affect the performance of the facility, and / or cause harm to the receiving environment.
- a monitoring program for leachate quality being circulated within the landfill.

Schedule 1C Table 2 – Leachate quality parameters

Total Dissolved Salts TDS
Water Level
Temperature
Electrical Conductivity - EC
Ammonia
Total Nitrogen

Biological Oxygen Demand BOD
Heavy Metals (Al, Ag, As, Ba, Be, Cd, C
Cr, Cu, Fe, Mn, Mo, Ni, Pb, Sn, Sb, Se

Total Organochlorines

Assessment Report

Variation or amendment application

	Chemical Oxygen Demand COD Total Dissolved Salts		
1D1-2	Mulching of green waste is not permitted at the site.	Recent noise modelling undertaken by GRC predicted that green waste mulching would not contribute to noise emissions from the activity location beyond the approved noise limits when implementing relevant acoustic engineering mitigation measures.	Condition deleted – GRC need to comply with noise limits stated in the EA which have not been changed as part of this amendment application.
The following conditions were not specifically requested to be changed by GCR as part of the amendment application, however, given the change to condition 1C3-1 the changes to other conditions are necessitated:			
1C3-2	The management plan required by Condition (1C3-1) must be incorporated into the Site Based Management Plan required by Condition (1A12-1)		The leachate management required in Condition (1C3-1) must be incorporated into the Site Based Management Plan required by Condition (1A12-1)
1C3-4	The management plan required by Condition (1C3-1) must be submitted to the administering authority within 7 months of the effective date of this Development approval.		Condition deleted as it is no longer relevant (no longer requirement for a management plan as such) and out of date (the approval was signed off in
	All conditions containing the term “development approval”	Replacement of “development approval” with “environmental authority”	The term “development approval” is obsolete and “environmental authority” is the correct legislative term for this type of licence in accordance with the EP Act.

Environmental values and associated impacts relevant to the change

Variation applications and major amendments to existing environmental authorities **must** be assessed against any regulatory requirements relevant to the amendment/variation.

List ALL the **Environmental risks, proposed discharges or emissions** as a result of the amendment/variation and highlight the level of risk (cumulative/widespread/irreversible)

[This information must be provided by the applicant. Technical Guides are on the Business and Industry Portal, www.business.qld.gov.au can provide further information]

Potential increases in noise levels from green waste mulching on site will be mitigated with relevant noise mitigation measures to ensure compliance with noise limits as per the EA.

Potential changes to groundwater quality will be minimised by ensuring that leachate will be managed in accordance with the ERA60 model condition relating to leachate management.

Assessment Report Variation or amendment a

What are the **Environmental values** that may be affected by the identified risks/discharges? This **must** be considered as per **section 51 of the Environmental Protection Regulation 2008 (EP Reg)**. Any **Quality Objectives** in a relevant EPP **must** also be considered.

[This information must be provided by the applicant. Officers can also use sources such as the environmental protection policies technical guides on the Business and Industry Portal, www.business.qld.gov.au and on Ecomaps.]

The acoustic environment will need to be protected by the requested change (allowing mulching of green waste on site) as well as the local groundwater quality by ensuring effective leachate management on site.

Have **mitigation measures** been proposed and has an acceptable level of impact been determined if discharges/emissions are unavoidable?

Has the applicant addressed any applicable **management hierarchy**? E.g. emissions, contamination and generation of waste must be avoided first. **Must be considered as per Section 51 of the EP Reg.**

Does the application reflect the **management intent** detailed in the appropriate **EPP** for the values? **Must be considered as per Section 51 of the EP Reg.**

Does the application meet the **environmental objectives and performance outcomes** in Schedule 5, Part 3 Table 1 of the EP Reg? **This assessment MUST be done as per section 51 of the EP Reg.**

[Management objectives for the environmental values must be considered as per section 51 of the EP Reg in determining an acceptable level of impact, refer to relevant EPPs and other publications.]

Environmental Values MUST be protected

Performance could be:

No release

Limits prescribed

Monitoring schedule

Contingency measures

Buffers

Acceptable footprint

Rehabilitation

Offsets

Gympie Regional Council will implement noise mitigating measures when mulching green waste to ensure compliance with noise limits as per the EA condition 1D1-5 and the associated Table 1 – (Noise Levels).

The replacement of the original condition prescribing the development of a management plan for the use of the landfill as a bioreactor has been replaced with a model condition providing options for leachate management, thus achieving the same environmental protection and outcome.

Standard Criteria

Assessing officers **must** consider the standard criteria before making a recommendation

Have you considered the Standard Criteria? ☒ Yes

[refer to the department's guideline Assessment requirements for making a decision for an environmental authority or development approval for an environmentally relevant activity, EM1127, for guidance on how to consider the standard criteria]

The mulching of green waste is not likely to have any negative impacts on any of the standard criteria and given that the applicant can comply with the eligibility criteria (and EA conditions, especially those limiting noise emissions) for this ERA, the department

Assessment Report

Variation or amendment application

does not consider that there are any residual environmental impacts from the infrastructure upgrade.

The condition relating to the use of the landfill as a bioreactor has been changed to a model condition relating to leachate management and thus this change is not likely to have any negative impacts on any of the standard criteria and given that the applicant can comply with the eligibility criteria for this ERA, the department does not consider that there are any residual environmental impacts from the infrastructure upgrade.

Other assessment considerations

EIS process and public notification requirements compliant?

- ☐ No – EA amendment cannot be granted
- ☒ Not applicable

Public Notification requirements in Division 2 complied with? Or substantially complied with?

- ☐ No – EA amendment cannot be granted
- ☒ Not applicable

Copy of approval has been sent to: psd.help@qld.gov.au

<If this decision includes a monitoring program for a new discharge to waters OR to an amendment of an existing monitoring program of a release to waters, the administrators of the WaTERS database must be notified>

- ☒ Not applicable

Applicant is a registered suitable operator?

- ☐ No – Variation application must be refused
- ☐ Not applicable

Consultations

The assessing officer for this amendment application consulted with Paul Butcher from the EHP regional office for compliance in Maroochydore to discuss the amendment application. Due to previous noise complaints from nearby sensitive receptors it was determined to keep certain noise conditions (and relevant figures/maps), which apply to ERA62 also being conducted on the site of the landfilling activities, in the EA (despite this ERA not requiring to be conditioned when conducted on the same site to which ERA60 applies) as these conditions contain prescriptive criteria relating to engineered noise mitigation measures on site that the department considers important to keep in the EA. The main reason for this is to ensure if there are any potential future noise nuisance issues pertaining to this site may be preventable by the operator of this site complying with these site-specific conditions.

(2D1-4) **Scrap metal collection** must only occur inside the Transfer Station structure.

(2D1-5) Vehicle movements within the approved premises must be actively and passively managed to regulate speeds to 40km/hr or less along internal roads. Measures used to achieve compliance with this condition must not include speed bumps, and should otherwise provide for steady vehicle movements along access and exit roads.

(2D1-6) The roof and walls of the Transfer Station (excluding lower concrete sections to 2.5m) must be constructed of, and / or lined with material that achieves a **Noise Reduction Coefficient** of at least 0.92, and an Rw

R

rating of 39 (for the roof) and an Rw rating of 31 (for walls excluding lower concrete sections to 2.5m)

- (2D1-7) The roof and walls of the Transfer Station must be constructed to ensure open gaps are prevented, with the exception for necessary ventilation requirements, which must be acoustically designed (eg using acoustic louvres) to minimise noise emanating from the Transfer Station structure.
- (2D1-8) Acoustic barriers must;
- be installed around any waste truck loading area, as per Schedule 1H Figure 2;
 - be installed to a height of at least 5.0m extending from the designed roller doors at the North Western and North Eastern corner of the Transfer Station, as per Schedule 1H Figure 2;
 - be installed to a height of 2.4m at the Bonnick Road Boundary, as per Schedule 1H Figure 3;
 - be continuous with no air gaps and be constructed of material with a minimum mass density of at least 12kg/m^2 or achieve an Rw of at least 20
- (2D1-9) Prior to the commissioning of the Transfer Station, the facility must be physically assessed by a person with appropriate noise mitigation qualifications and experience, verifying by way of a written report, that measures required to comply with conditions (2D1-6) through (2D1-8) have been installed.
- (2D1-10) A copy of the written report required by Condition (2D1-9) of this Environmental authority must be provided to the Administering Authority prior to the commissioning of the Transfer Station.

Figure 2 – Acoustic Barriers – Transfer Station structure

Figure 2

Figure 2



Figure 2

Figure 3 – Acoustic Barrier – Bonnick Road

Summary

Removal of condition 1D-2 "Mulching of greenwaste is not permitted at the site" and changes to the condition 1C3-1 from "Landfill as a Bioreactor Investigation" to ERA60 model condition G12 relating to leachate management.

Any conditions placed on the EA are necessary or desirable

11. Recommendation

Complete part (a) or (b) and check the 'approve' or 'refuse' check box.

If your recommendation is to approve, complete the following:

Send decision notice and amended EA to applicant within 5 BDs of decision

Will the newly amended EA have a higher annual fee than that of the previous (un-amended) EA? If Yes,

email a copy of this signed decision notice to Permit and Licence Management on **palm@ehp.qld.gov.au** so they are aware an application shortfall is payable; and

APPROVE

include the following in the decision notice

Application fee shortfall

The administering authority has determined that there is a shortfall in the amendment application fee. The shortfall has been calculated in accordance with s. 135 of the Environmental Protection Regulation 2008.

Assessment Report
Variation or amendment application

The shortfall to be paid is \$<INSERT amount>.

The shortfall must be paid within 20 business days of the date of this notice.

Please call Permit and Licence Management on 13QGOV (13 74 68) and quote your reference number to pay the application fee shortfall.

Send factsheet titled 'Changes to the Environmental Protection Regulation 2008 - Increase to some application fees' (EM1307) with decision notice and amended EA to client.

Note: The fee for a major amendment is \$285.60 plus 30% of the annual fee for the existing (current) authority subject to the application. An application fee shortfall is payable if the amended EA results in an annual fee being payable that is higher than the annual fee for the previously amended EA. The shortfall is calculated based on the following:

Shortfall = 30% of the new annual fee - 30% of the previous annual fee.

Ignore changes in fees due to indexation and base fees on the fee unit at the

Will the newly amended EA have a lower annual fee than that of the previous (un-amended) EA? If Yes,

email a copy of this signed decision notice to Permit and Licence Management on palm@ehp.qld.gov.au so they are aware an application refund is payable; and

include the following in the decision notice.

Refunding overpayment of application fee

The administering authority has determined that your amendment has resulted in an overpayment of amendment application fee. The overpayment has been calculated in accordance with s.136 of the Environmental Protection Regulation 2008.

APPROVE

The overpayment to be refunded is \$<INSERT amount>.

The administering authority will contact you regarding this refund however if you have any questions please call Permit and Licence Management on 13QGOV (13 74 68) and quote your reference number.

Send factsheet titled 'Changes to the Environmental Protection Regulation 2008 - Increase to some application fees' (EM1307) with decision notice and amended EA to client.

Note: The fee for a major amendment is \$285.60 plus 30% of the annual fee for the existing (current) authority subject to the application. Refunding an overpayment is required when the amended EA results in an annual fee being payable that is lower than the annual fee for the previously amended EA. The overpayment is calculated based on the following:

Overpayment (to be refunded) = 30% of the previous annual fee - 30% of the new annual fee.

Ignore changes in fees due to indexation and base fees on the fee unit at the

If your recommendation is to refuse, provide statement of reasons.

R

<Insert statement of reasons if recommending refusal>

Send Decision Notice to applicant within 5 BDs of decision

You should only consider refusing an application if one or more of the following

MUST refuse if a wetland will be destroyed or reduced in size or its biological integrity may not be maintained as a result of a release of water or waste from the activity;

MUST refuse if waste is not released entirely within a confined aquifer (except for petroleum activities);

MUST refuse if waste directly released to groundwater is or may adversely affect a surface ecological system or will result in deterioration of environmental values of the groundwater;

If the application is for a condition conversion and the applicant cannot meet the eligibility criteria or comply with any of the standard conditions.

May refuse where an EA has been issued with standard conditions and an application is made to amend the condition that requires the activity to comply with the relevant eligibility criteria.

REFUSE

In addition, section 227A allows a site specific application to be required so that the EA can be assessed and conditioned as a site-specific application would be. A notice must first be given allowing the applicant to make written representations about the proposal to require a site-specific application.

If the amendment application is about a proposed change to the condition requiring compliance with the eligibility criteria, and the holder can continue to comply with the eligibility criteria if the amendment is not made, then the amendment application can be refused without a requirement for the holder to make a site-specific application for a new environmental authority.

Following a request for further information, the applicant has still not provided enough information to allow you to comply with the regulatory requirements. For example, the applicant has not provided any information to demonstrate how they meet the relevant environmental objectives in Schedule 5 of the Regulation;

The information you have considered shows that it is not possible to conduct the activity without causing unacceptable serious or material environmental harm or unacceptable impact on environmental values. For example, the application involves the destruction of habitat for an

endangered species and offsets are not appropriate or possible or the activity cannot be conducted without contaminating large areas of land with persistent organic pollutants. These circumstances will be rare but still possible.

Assessing Officer: Andrea Schmitt

Position: Environmental Officer

Signed:

Date: 27/01/17

Review and endorsement

Approval

I approve the recommendation based on the reasons stated in this report

Chris Mooney

Deputy

CTPI 49-Sch4-Signature

Signed

To: Gympie Regional Council
PO Box 155
GYMPIE QLD 4570

Email: council@gympie.qld.gov.au

Your reference: EPPR00816213
Our reference: 337551

Application details

I refer to the application that was received by the administering authority on 01-DEC-2014.

Land description: Snapper Creek Road TIN CAN BAY QLD 4580 Lot 58 Plan MCH3705; Balkin Street GUNALDA QLD 4570 Lot 141 Plan MCH4318; Kurrawa Drive RAINBOW BEACH QLD 4581 Lot 3 Plan USL37851; Bonnick Road GYMPIE QLD 4570 Lot 542 Plan MCH801883; Glastonbury Road GYMPIE QLD 4570 Lot 75 Plan LX1808, Lot 76 Plan LX1808; Kandanga Imbil Road IMBIL QLD 4570 Lot 87 Plan LX2669; Burnett Highway GOOMERI QLD 4601 Lot 108 Plan FY772; McKewan Road KILKIVAN QLD 4600 Lot 330 Plan W39796; Bayside Road TIN CAN BAY QLD 4580 Lot 2 Plan SP238517

Decision

Your application to convert conditions from environmental authority SPCE01417310 to an environmental authority (EA), as well as the amendment of the same EA has been approved and your updated EA (reference EPPR00816213) is attached.

Andrea Schmitt
Government Organisations and Utilities
Assessment
Department of Environment and
Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
Email: andrea.schmitt@ehp.qld.gov.au
Website www.ehp.qld.gov.au
ABN 46 640 294 485

Should you have any further enquiries, please contact Andrea Schmitt on telephone 1300 130 372

Yours sincerely

CTPI 49-Sch4-Signature

Signature

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

Enclosed

Permit - environmental authority (reference EPPR00816213)

Department of Environment and Heritage Protection

Permit¹

Environmental Protection Act 1994

Environmental authority

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

Permit¹ number: EPPR00816213

Environmental authority EPPR00816213 takes effect 5th February 2015

The anniversary date of this environmental authority remains 30th June each year.

Environmental authority holder(s)

Name

Registered address

Gympie Regional Council

242 Mary Street
GYMPIE QLD 4570

Environmentally relevant activity and location details

Environmentally relevant activity(ies)

Location(s)

60-(2a) Waste disposal >50t but <2000t yr

Lot 330 on W39796 - McKewan Road KILKIVAN
QLD 4600

Lot 108 Plan FY772 - Burnett Highway GOOMERI
QLD 4601

Lots 75 and 76 on LX 1808 - Glastonbury Road,
GYMPIE QLD 4570

Lot 87 on LX 2669 - Kandanga Imbil Road IMBIL
QLD 4570

Lot 58 on MCH 3705 - Snapper Creek Road TIN
CAN BAY QLD 4580

Lot 3 on USL 37851 – Kurrawa Drive RAINBOW
BEACH QLD 4581

Lot 141 on Plan MCH4318 – Balkin Street,
GUNALDA QLD 4570

60-(2e) Waste disposal >20,000t but <50,000t yr

Lot 542 on MCH 801883 - Bonnick Road GYMPIE

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation



Environmental authorit

QLD 4570

ERA 62 Waste transfer station operation - operating, Lot 2 on Plan SP238517 - Bayside Road, TIN CAN
 on a commercial basis or in the course of carrying on a BAY QLD 4580
 commercial enterprise, a waste transfer station that
 receives a total quantity of at least 30t or 30m³ of
 waste on any day

Additional information for applicants

Environmentally relevant activities

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

An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.

CTPI 49-Sch4-Signature

Signature

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

Enquiries:

Andrea Schmitt
 Government Organisations and Utilities
 Assessment
 Department of Environment and Heritage
 Protection
 GPO Box 2454
 BRISBANE QLD 4001
 Phone: 1300 130 372
 07 3330 6037
 Email: andrea.schmitt@ehp.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

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

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

Conditions of environmental authority

PART 1

Environmentally relevant activity(ies)

Location(s)

60-(2a) Waste disposal >50t but <2000t yr

Lot 330 on W39796 - McKewan Road KILKIVAN
QLD 4600

Lot 108 Plan FY772 - Burnett Highway GOOMERI
QLD 4601

Schedule A - Activity

Prevent and /or minimise likelihood of environmental harm

In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

The holder must:

CTPI 49-Sch4-S

Environmental authority

install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
maintain such measures, plant and equipment in a proper and efficient condition; and
operate such measures, plant and equipment in a proper and efficient manner.

Integrated Environmental Management System (IEMS)

Prior to the commencement of any environmentally relevant activity ('the activities') under this environmental authority, the holder of this environmental authority must

develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
implement and maintain the IEMS from the commencement of carrying out the activities

The IEMS must provide for at least the following functions:

Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:

The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and

Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and

Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and

Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and

Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and

Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;

Obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or environmental authorities; and

Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;

Conducting assessment of the environmental impact of any release of contaminants into the environment;

Periodic conduct of energy audits (appropriate to the scale of the activities) and review of environmental performance and procedures adopted, not less frequently than yearly; and

Waste prevention, treatment and disposal; and

A program for continuous improvement.

The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Records

Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format

Records must be kept for five years, and must include the following information

date of pickup of waste;
description of waste;
cross reference to relevant waste transport documentation;
quantity of waste;
origin of the waste;
destination of the waste: and
intended fate of the waste, for example, type of waste treatment, reprocessing or disposal.

NOTE: Records of documents maintained in compliance with a waste tracking system established under the Environmental Protection Act 1994 or any other law for regulated waste will be deemed to satisfy this condition.

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Nuisance

The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

Dust nuisance

The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place.

Exceedance of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition B2-1.

Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991: AND

A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the licensed place, when monitored in accordance with:

Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method'; or
any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must include:

for a complaint alleging dust nuisance, dust deposition; and

for a complaint alleging adverse health effects caused by dust, the concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time.

must be carried out a place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Stormwater management

There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.

END OF CONDITIONS FOR SCHEDULE C

Schedule D - Noise and vibration

Noise nuisance

Noise from activities must not cause an environmental nuisance at any noise sensitive place or any commercial place.

In the event of a complaint about noise nuisance to the Administering Authority in writing, that the Administering Authority considers is not frivolous or vexatious then a noise management plan is to be developed that will adequately address any such emission of noise that constitutes annoyance.

In the event of a complaint in accordance with condition (D1-2), and at the request of the Administering Authority, the holder of this authority must, within one (1) month, develop a noise management plan. The noise management plan must address at least, but not be limited to, the following matters:

- identification of component noise sources and activities at the place(s) which impact on noise sensitive areas;
- the measured and/or predicted level of these noise sources and activities at noise sensitive places;
- (iii) the control or abatement measures that can be undertaken to reduce identified intrusive noise sources;
 - the level of noise at noise sensitive places that would be achieved from implementing these measures.
- the handling of future noise complaints;
- (vi) community liaison and consultation; and
 - training of staff in noise management practices.

Upon the completion of the noise management plan it must be submitted to the Administering Authority within 14 days for its review and comment.

After the Administering Authority has provided comment on the noise management plan, the holder of this authority must implement the plan as soon as practicable.

Noise monitoring

When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:

- LA, max adj, T
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;
- effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Waste

Waste handling

All regulated waste removed from the licensed place must be removed by a person who holds a current authority to transport such waste under the provisions of the *Environmental Protection Act*

Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this integrated authority.

The holder of this integrated authority must not:

- allow waste to burn or be burned at or on the licensed place; nor
- remove waste from the licensed place and burn such waste elsewhere.

(This condition does not apply to the material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm and this condition does not refer to activities carried out under the provisions of the Fire Services Act 1990.)

Off Site Movement

Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this integrated authority), the holder of this integrated authority must monitor and keep records of the following:

- the date, quantity and type of waste removed;
- name of the waste transporter and/or disposal operator that removed the waste; and
- the intended treatment/disposal destination of the waste.

Waste Acceptance and Operating Criteria

(E3-1) This environmental authority permits only the following wastes to be disposed of at the places licensed to receive waste by this environmental authority:

- domestic waste;
- commercial waste;
- domestic clean-up waste;
- construction or demolition waste;
- industrial waste;
- garden wastes;
- putrescible wastes;
- lid inert wastes;

limited regulated waste may be disposed of in the general waste stream provided the quantity of limited regulated waste received at the facility in a year is not more than 10% of the total waste received at the facility in any calendar year.

NOTES:

- (a) wet cell batteries and waste oil may be accepted and temporarily stored at the licensed place for recycling purposes.
- (b) drums containing any residual regulated waste are a regulated waste unless effectively cleaned in accordance with Operational Policy 'Determinations for management of regulated wastes'.
- (c) definitions of domestic, commercial, domestic clean-up, construction or demolition, industrial, garden, and regulated wastes are in Section 12 of the Environmental Protection (Waste Management) Regulation 2000)

The following conditions must be complied with in temporary storage of Regulated Waste

(i) Waste Batteries

Used wet cell batteries must only be stored at the waste disposal facility for a period of up to one (1) month and must be stacked in an upright position and stored in an area designated for this purpose.

Where storage of waste batteries is to occur for periods of longer than one (1) month they must be stored in a covered enclosure which has been bunded to contain spillage's and leakages.

(ii) Waste Oil

Waste oil must be temporarily stored in receptacle(s) at the waste disposal facility, and the receptacle(s) must :

- be stored in an area which is bunded to contain spillages and leakages;

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have closures in place to prevent rainwater entry and spillage (if knocked over); and have a filling mechanism which prevents rainwater entry.

(iii) Bunding

Where it is impractical to completely roof a bunded area, the holder of this environmental authority must ensure that all spilled materials in bunded areas are cleaned-up as soon as practicable.

(iv) Tyres

Used tyres temporarily stored at the waste disposal facility must be stockpiled:

- in a designated area;
- with no more than 500 passenger tyre equivalents in whole or equivalent parts at any one time

Limited regulated waste disposed of at the landfill must only be in a solid form.

Where limited regulated waste is to be interred in a waste disposal cell that is not lined with an impermeable liner material the limited regulated waste must comply with the waste acceptance criteria in schedule E – Table 1

Schedule E - Table 1.
Waste Acceptance Criteria - Unlined Waste Disposal Cells

Contaminant	Maximum contaminant level in solid waste	Maximum contaminant leaching level
		m
Antimony		0
Arsenic		0
Barium		1
Cadmium		0.1
Chromium		0
Cobalt		0
Copper		1
Lead		0
Mercury		0.1
Molybdenum		0
Nickel		0
Selenium		0
Silver		0
Thallium		0
Tin		0
Vanadium		0
Zinc		5
Bromide		
Chloride		
Cyanide		
Fluoride		
Sulphate		
Nitrate		
Total organic carbon		10000
Benzene		
Ethyl Benzene		
Toluene		
Xylenes		
Total Monocyclic aromatic hydrocarbons		
Anthracene		

Contaminant	Maximum contaminant level in solid waste	Maximum contaminant eaching level m L
Benz (a anthracene		0.005
Benz c phenanthrene		0.005
Benzo a rene		0.002
Benzo b fluoranthene		0.005
Benzo k fluoranthene		0.005
Chr sene		0.
Dibenz a.h anthracene		0.002
Dib		0.
Dim		0.005
Fluoranthene		0.
Ind		0.
Napthalene		0.
Phenanthrene		0.
P rene		0.
Total pol c clic aromatic h drocarbons PAH)		0
Phenol		1
m-cresol		2
o-cresol		2
-creso		2
Tot		
Chloro henol		
Trichlorophenol		
Pen		
Total halo enated henol		
Carbon tetrachloride		
1,2 Dichloroethane		
1,1 Dichloroethene		0.003
Tetrachloroethene		
Trichloroethene		
Tot		
Chlorobenzene		
Hexachlorobenzene		0.002
Tot		
Aldrin		
Chlordane		0.006
Chlorp rifos		
Dieldrin		
DD		0.003
Endrin		0.001
Hep		0.003
Lindane		
Methox chlor		
Toxaphene		0.005
Total or anochlorine esticides		
2,4-D		
2,4-DB		
MCPA		
		0.002
Total herbicides		
Carbar l		
Carbofuran		
Total carbamate esticides		

Contaminant	Maximum contaminant evel in solid waste	Maximum contaminant leaching level
Diazinon Parathion Meth I Parathion		0.006
esticides		
Atrazine Simazine		
	10000 10000	
Total Petroleum H drocarbons		

Note: The contaminant levels in Table 1 are drawn from the limits applicable to unlined and lined landfills provided in Appendix C, Tables 1& 2 of the Liquid Industrial Waste Policy And Management Plans - Brisbane City Council 1994. Where a waste contains substances other than those listed, then disposal will be at the discretion of the relevant landfill licensee subject to the general duty not to cause environmental harm and to an approval, where required, under Chapter 7, Part 7 of the Environmental Protection Act 1994.

The following conditions must be complied with in the disposal of all forms of asbestos waste:

the asbestos waste must be disposed of:

to a designated asbestos disposal pit(s) where no excavation takes place following the disposal of asbestos waste within that pit, and immediately covered with 200 mm of consolidated earth or equivalent cover material over the entire area of the pit; or placed at the bottom of the current working face of the landfill unit (the disposal place) and immediately covered with at least 1 metre of waste;

the asbestos waste, the asbestos waste disposal pit or disposal place as the case may be, and all areas within 2 metres of the disposal pit/disposal place and asbestos waste (the 2 metre buffer area) must remain undisturbed following the waste disposal operation (including not placing the waste in a position where any gas extraction wells are likely to be necessary or drilling any gas extraction wells through the waste deposit);

plant and equipment must be available for any necessary preparation of the disposal pit/disposal place upon receipt of the asbestos waste and immediate covering of the asbestos waste and compacting of the area upon placement in the pit; and

the asbestos waste must be contained within the final landfill unit at a minimum distance of two (2) metres from the surface and flanks of the final landfill unit, excluding any final cover system required as a condition of this environmental authority (where final landfill unit means that deposition to the landfill unit has ceased).

Prohibited wastes

The following wastes must not be accepted onto the licensed places:

liquescient waste streams or any waste capable of yielding free liquids (does not include eachate or condensate arising from gas collection within the licensed place);

untreated infectious and chemical wastes and liquid pharmaceuticals from clinical and related waste stream:

cytotoxic wastes;

untreated sharps;

S8 pharmaceuticals;

II radioactive wastes, unless otherwise approved under the *Radioactive Substances Act 1958*;

pyrophoric wastes (where co-disposed with other potentially combustible material); and

explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction.

(E4-2) No wastes that exhibit any of the hazard characteristics listed in Schedule E - Table 2 must be interred at the waste disposal facility.

Schedule E - Table 2.

Hazard Characteristic

Ignitability

Corrosivity

Description Of The Hazard Characteristic

Regulated wastes that are capable of causing a fire when ignited through friction, absorption of moisture, or spontaneous chemical changes under standard temperature and pressure

Regulated wastes which on dissolution exhibit a pH of 2 or less, or 12.5 or greater

Notwithstanding conditions (E4-1) and (E3-1) of this environmental authority, minor amounts of regulated waste not specifically permitted to be accepted may be deposited at the licensed place provided:

- the regulated waste is incidental to and commingled with the general waste stream; and
- the quantity and concentration of the regulated waste (both individually and in aggregate) is insignificant; and
- it is impracticable to segregate the regulated waste from other waste which is permitted to be deposited; and
- the deposition of the regulated waste is not likely to cause any risk of fire, explosion, public health danger, nuisance, or environmental harm; and
- all practicable steps are taken to inform persons using the facility that such wastes are not included in the waste stream to be deposited at the waste disposal facility.

If the holder of this integrated authority becomes aware that a person has removed regulated waste from the licensed places and disposed of the regulated waste in a manner which is not authorised by the integrated authority or improper or unlawful, then the holder of integrated authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

In the event that the holder of this integrated authority becomes aware of prohibited waste being commingled in any waste stream the holder of this integrated authority must:

- cease the depositing of such waste;
- remove the prohibited waste and store in a proper and efficient manner;
- notify the person who sent the prohibited waste to the premises to which this integrated authority relates of the detection of prohibited waste in the waste received;
- as soon as practicable arrange for a person who can lawfully transport such waste to collect such waste;
- arrange for the person transporting the prohibited waste to transport such waste to a facility that can lawfully accept such waste; and
- produce the following records:
 - type of prohibited waste;
 - quantity of prohibited waste;
 - date of disposal;
 - name and address of the person(s) transporting the prohibited waste to the facility; and
 - name and address of the person(s) who generated the prohibited waste (if such person(s) can be reasonably identified).

For the purpose of this condition, "prohibited waste" means a waste that is not permitted to be accepted at that landfill facility by a condition of this integrated authority.

Exposed waste (excluding recyclable waste that is temporarily stored in a defined area) must be limited to the working face of any landfill unit and the area of exposure must be minimised to the greatest extent practicable. For the purpose of this condition, no waste must be deposited beyond the boundaries of the landfill unit(s).

Earthen material necessary for coverage of deposited waste must be stored and be readily available at the premises to which this environmental authority relates in a quantity sufficient for not less than two weeks operation of the landfill facility.

Deposited waste must be covered:

- with earthen material to a thickness of at least 0.2 metres; or
- with other alternative material of sufficient thickness and nature to ensure that there is no exposure of waste.

For the purpose of this condition, the use of any alternative material must initiate a trial for a period of up to 3 months, such that potential environmental harm (eg. odour, vermin breeding) is assessed and reported to the administering authority upon completion.

An all-weather internal road must be provided and maintained to the working face of the landfill facility at all times.

Construction of Disposal Areas

Ensure that any active waste disposal area is constructed to allow plant and machinery access so that wastes can be effectively consolidated, compacted and covered.

Where an active disposal area or any part thereof is installed above ground the embankments must be maintained to ensure the stability and integrity of construction.

Soil Permeability

Soils or other materials used in the construction of any waste disposal cells, above ground embankments, storage ponds and final cover must achieve an insitu hydraulic conductivity which is sufficiently impervious so as to prevent or minimise the release of leachate from the waste disposal area to waters including groundwater.

Active Waste Disposal Area Management

Ensure that all wastes accepted for disposal at the licensed place are not disposed of:

- beyond any active waste disposal area; and
- into waters or leachate; and
- beyond the catchment of any leachate collection drains if installed as part of a leachate collection system.

The holder of this environmental authority must ensure that exposed wastes are confined to the operating face of the active waste disposal area and that the operating face is maintained at a minimum practicable size at all times.

Leachate Management

Ensure that all reasonable and practical measures are taken to ensure the disposal area is operated and managed so as to minimise the generation of leachate.

Leachate Disposal

Leachate generated on the licensed place must only be disposed of in a manner such that there is no direct or indirect release of contaminants to any groundwater, stormwater drain, roadside gutter or surface watercourse.

Ensure that any leachate or contaminated stormwater generated on the licensed place is collected

- conveyed to a leachate storage dam or pond; and/or
- disposed of in accordance with condition E9-3.

Leachate or contaminated stormwater which is intercepted and collected on the licensed place may be disposed of:

- by evaporation; or
- by recirculation back into the areas of the licensed place where waste disposal is taking place;
- by spray irrigation over exposed wastes; or
- by disposal to sewer.

Leachate Storage Ponds or Dams

- (E10-1) Ensure that any pond or dam installed at the licensed place which is used for the collection and storage of leachate or contaminated stormwater must be:
- constructed of low permeability soils or other material so as to prevent any direct or indirect release of contaminants through the base or embankments; and
 - maintained to ensure the stability and integrity of construction; and
 - constructed and managed so that a freeboard capable of preventing overspill is maintained to store excess volume when annual rainfall of a 1 in 10 year recurrence period occurs.

Public Health, Nuisance and Litter Issues

- (E11-1) The holder of this integrated authority must take all reasonable and practicable measures necessary to ensure that the carrying out of the environmentally relevant activities do not cause any adverse effect on public health or any nuisance, particularly in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors.
- (E11-2) In the event of any adverse effect upon public health and / or any nuisance arising from the conduct of the environmentally relevant activities, the holder of this integrated authority must take all reasonable and practicable measures necessary to:
- abate such adverse effects and such nuisance; and
 - prevent the likelihood of any recurrence of the circumstances that gave rise to such adverse effects and / or such nuisance.
- (E11-3) The holder of this integrated authority must use all practicable means to exclude from refuse disposal areas access of birds, dogs and other pest species to that extent necessary to ensure that such birds, dogs and other pest species do not cause any:
- danger or risk to the health of any persons; or
 - environmental harm.
- (E11-4) Where litter is blown or washed from the premises to which this integrated authority relates in amounts that are significant in scale or extent, the holder of this integrated authority must take all reasonable and practicable actions to retrieve the litter and ensure that it is disposed of in an appropriate manner.
- (E11-5) The holder of this integrated authority shall ensure that the movement of litter within the licensed place does not cause environmental harm or nuisance through the use of practical and effective litter control measures and management practices, such measures may include but are not limited to:
- minimisation of areas of uncovered wastes;
 - frequent applications of cover material to deposited wastes;
 - the use of relocatable litter screens around the area of the waste deposition;
 - the use of fixed litter control fencing around the perimeter or other places; and
 - the implementation of regular litter collection programs that include cleaning of site perimeter fencing.

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Landfill Unit(s) Interim Closure Management

- (E12-1) The holder of this integrated authority must implement interim closure management for landfill unit(s) at a landfill facility that are not accepting waste.

For the purpose of this condition, interim closure management must include at least the following:

- the installation of an interim cover system that is designed with effective drainage systems to minimise erosion and to minimise water ponding; and
- a stabilisation program including practicable measures for revegetation and or mulching.

Landfill Facility Post-Closure Management

- (E13-1) The holder of this integrated authority must develop and provide to the administering authority a draft landfill post-closure management program for review and comment at least six (6) months before the expected final receipt of waste in any landfill unit.
- (E13-2) The landfill post closure management program must include details of at least the following:
- the total waste volumes or tonnage of the landfill unit being closed;
 - a landform relief plan including the extent of the landfill footprint;
 - the design of a final cover system including thickness and permeability of cover layers and any lateral drainage layers;
 - the erosion prevention system that is designed with effective drainage systems to minimise erosion and to minimise water ponding;
 - the revegetation and stabilisation program for the landfill to minimise final cover erosion and final cover species root penetration through to the waste pile;
 - the procedures for maintaining and operating any stormwater management system;
 - the procedures for maintaining and operating any leachate collection system;
 - any proposed nuisance or wildlife control procedures;
 - the proposed land use at the premises to which this integrated authority relates during and after the rehabilitation program; and
 - the expected date the holder of this integrated authority intends to begin rehabilitation activities and the expected time-lines to implement the program.

For the purpose of this condition, the landfill post-closure management program must be effective in preventing and / or minimising the likelihood of environmental harm being caused or allowed. The program must include measures and schedule timeframes to:

- monitor the structural integrity and effectiveness of the final cover system, particularly for erosion and subsidence of the cover system; and
- monitor any leachate, surface water, receiving water and groundwater monitoring system at a frequency sufficient to detect any release of contaminants to water resources.

- (E13-3) For the purposes of preventing and / or minimising the likelihood of environmental harm being caused as a result of deposition of waste, the holder of this integrated authority must, following cessation of deposition of waste in the landfill facility, conduct post-closure management measures

a period of 30 years; or

such shorter period until it is demonstrated to the administering authority in a competent manner using factually correct information that the landfill unit(s) within the landfill facility and surrounding site are geotechnically stable and that no release of waste materials, leachate, uncontrolled landfill gas or other contaminants to the environment is likely.

Environmental authority

Vehicle Access

- (E14-1) The holder of this integrated authority shall ensure that all weather access roads must be provided to the site and to the designated waste disposal area. Vehicle traffic must be closely controlled within the site by suitable barriers to ensure that waste is deposited only in designated areas

Signage

- (E15-1) The holder of this integrated authority must ensure that signs are erected at the entrances to the licensed place and in a prominent position on the licensed place, and be maintained in good repair to provide at least, the following:

details of wastes which can be accepted at the site and wastes which are prohibited;

advice that when the site is closed, that unauthorised dumping of waste is prohibited and the location of the nearest waste disposal facility;

advice prohibiting the lighting of unauthorised fires on the site;

the location of the tipping face; and

the location of any wastes segregated and recycling areas.

Fire Protection and Control

- (E16-1) The holder of this integrated authority shall provide and maintain at all times a sufficient firebreak/s to minimise the spread of fires into deposited waste material.

Scavenging

- (E17-1) Scavenging of materials from the waste disposal area is prohibited except where a written agreement exists between the licensee and an approved scavenging contractor. Food, clothing, bedding, toiletries and other personal effects are not permitted to be scavenged from the site

END OF CONDITIONS FOR SCHEDULE E

Schedule F - Land**Preventing contaminant release to land**

Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids

The base and walls of all bunded areas must be maintained free from gaps or cracks

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Community**Complaint response**

All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request

END OF CONDITIONS FOR SCHEDULE G

Schedule H - Definitions

Words and phrases used throughout this licence or environmental authority are defined below
Where a definition for a term used in this authority is sought and the term is not defined within this authority the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

administering authority" means the Environmental Protection Agency or its successor

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means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Environmental authority.

"site" means the place to which this environmental authority relates or the premises to which this environmental authority relates.

"authorised place" means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.

"this authority" means this environmental authority.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

"dust sensitive place" means -

- a dwelling, mobile home or caravan park, residential marina or other residential place;
 - a motel, hotel or hostel;
 - a kindergarten, school, university or other educational institution;
 - a medical centre or hospital;
 - a protected area;
 - a park or gardens; or
 - a place used as an office or for business or commercial purposes.
- and includes the curtilage of any such place.

"odour sensitive place" has the same meaning as a "dust sensitive place"

"dwelling" means any of the following structures or vehicles that is principally used as a residence-

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan, mobile home or other vehicle or structure on land;
- a water craft in a marina.

noxious means harmful or injurious to health or physical well being.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"nuisance sensitive place" includes -

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
 - a motel, hotel or hostel; or
 - a kindergarten, school, university or other educational institution; or
 - a medical centre or hospital; or
 - a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
 - a public thoroughfare, park or gardens; or
 - a place used as a workplace, an office or for business or commercial purposes.
- and includes a place within the curtilage of such a place reasonably used by persons at that place.

" $L_{A, \max \text{ adj, T}}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"noise sensitive place" means -

- a dwelling, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or

a medical centre or hospital; or
a protected area; or
a park or gardens.
and includes the curtilage of such place.

commercial place" means a place used as an office or for business or commercial purposes.

intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

is clearly audible to, or can be felt by, an individual; and
annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

protected area" means -

a protected area under the Nature Conservation Act 1992; or
a marine park under the Marine Parks Act 1992; or
a World Heritage Area.

waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

"80th percentile" means not more than one (1) of the measured values of the quality characteristic is to exceed the stated release limit for any five (5) consecutive samples for a sampling point at any time during the environmental activity(ies) works

"land" in the "land schedule" of this document means land excluding waters and the atmosphere

mg/L" means milligrams per litre.

regulated waste" means non-domestic waste mentioned in Schedule 7 of the Environmental Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes:

for an element - any chemical compound containing the element; and
anything that has contained the waste.

clinical waste" means waste that has the potential to cause disease including, for example, the following

animal waste;
discarded sharps;
human tissue waste;
laboratory waste.

infectious waste" means "clinical waste"

annual return" means the return required by the annual notice (under section 316 of the Environment Protection Act, 1994) for the section 86(2) licence that applies to the environmental authority

END OF DEFINITIONS FOR SCHEDULE H

PART 2

Environmentally relevant activity(ies)

60-(2a) Waste disposal >50t but <2000t yr

Location(s)

Lots 75 and 76 on LX 1808 - Glastonbury Road,
GYMPIE QLD 4570

Lot 87 on LX 2669 - Kandanga Imbil Road IMBIL
QLD 4570

Lot 58 on MCH 3705 - Snapper Creek Road TIN
CAN BAY QLD 4580

Lot 3 on USL 37851 – Kurrawa Drive RAINBOW
BEACH QLD 4581

Schedule 2A - Activity

Prevent and /or minimise likelihood of environmental harm

In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

The holder must:

- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
- maintain such measures, plant and equipment in a proper and efficient condition; and
- operate such measures, plant and equipment in a proper and efficient manner.

Site based management plan

As part of the IEMS from commencement of the activity, Site Based Management Plan's (SBMP's) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all Environmentally Relevant Activities that are carried out.

Records

Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Integrated Environmental Management System (IEMS)

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Environmental authority

Prior to the commencement of any environmentally relevant activity ('the activities') under this integrated authority (including Part 1 of this Integrated Authority), the holder of this environmental authority must:

- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
- implement and maintain the IEMS from the commencement of carrying out the activities

The IEMS must provide for at least the following functions:

Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:

- The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
- Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
- Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
- Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
- Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
- Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
- Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or environmental authorities; and
- Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
- Conducting assessment of the environmental impact of any release of contaminants into the environment;
- Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than five years; and
- Waste prevention, treatment and disposal; and
- A program for continuous improvement.

The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Licence Awareness

Ensure that any person responsible for carrying out any of the licensed activities is familiar with the conditions of this environmental authority as they relate to the person's responsibilities

Trained Operators

All persons engaged in the conduct of the activity, including but not limited to employees and contract staff, must be:

- trained in the procedures and practices necessary to:
- comply with the conditions of this environmental authority; and
- prevent environmental harm during normal operation and emergencies; or
- under the close supervision of such a trained person.

Landfill Development

- (2A10) Any landfill liner design and leachate management system must be developed by a person possessing appropriate qualifications and experience in the field of waste management including hydrogeology and geotechnical engineering to be able to competently make recommendations about these matters.

Site Development Plan

- (2A11) By 1 March 2005 the holder of this environmental authority must develop and implement a Site Development Plan for the Waste Disposal facilities, to cover each 5 year period for which the licensed places are open to receive wastes or until a Post Closure Care and Maintenance Plan has been implemented.

The Site Development Plan must include details of at least the following:

- dimensions of any area of the licensed place used for waste disposal and storage over the period covered by this Site Development Plan;
- an accurate level survey of any area of the licensed place to be utilised for the disposal and storage of wastes over the period covered by this Site Development Plan. The levels must be reduced to a common datum and related to contour plans of the licensed place;
- the approximate dimensions of each waste disposal area and dimensions of the active waste disposal face to be constructed in the area designated, over the period covered by this site development plan;
- the in situ permeability of earthen materials which are to be used for capping and/or lining of waste disposal areas and into which excavations will be made for the purposes of waste disposal;
- approximate location of any leachate dam or pond, pump well to be used or other plant and equipment installed as part of a leachate collection, storage or recirculation system;
- location of any stormwater drains or diversion embankments to be constructed to achieve compliance with this environmental authority; and
- location of any areas to be capped, the proposed final surface levels and contours, final drainage system and species of vegetation to be planted as part of a rehabilitation program for licensed place over the period covered by this site development plan.

Review and Comment on Plans and Programs Prepared under this Environmental Authority

- (2A13) The holder of this environmental authority must:
- submit any Site Development Plan, Post Closure Management Program and Groundwater Monitoring Program required under this environmental authority to the administering authority for its review and comment: and
 - have due regard to that comment in the finalisation of the plans or programs; and
 - complete and commence implementation of the plans or programs within 3 months of receipt of any comment from the administering authority; and
 - submit a copy of the finalised plans or programs to the administering authority within 30 days of its finalisation.

END OF CONDITIONS FOR SCHEDULE 2A

Schedule 2B - Air

Nuisance

The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

Dust nuisance

The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place.

Exceedence of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition (2B2).

Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991: OR

A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the licensed place, when monitored in accordance with:

Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method'; or

any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority

Management of Landfill Gas

The release of landfill gas must not cause environmental harm.

Landfill gas is not considered to cause environmental harm if:

the release of methane does not exceed the following limits:

500 ppm at a height of 50 mm above the final and/or intermediate cover surface including the batter slopes of the landfill unit;

25 percent of the lower explosive limit when measured in facility structures (but excluding facility structures used for landfill gas control and landfill gas recovery system components); and

the lower explosive limit at the landfill facility boundary.

When requested by the administering authority, landfill gas monitoring must be undertaken to determine compliance with condition (2B5). Monitoring must be developed and completed by a person possessing appropriate qualifications and experience in the fields of hydrogeology and landfill gas monitoring program design to be able to competently make recommendations about these matters.

When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must include:

for a complaint alleging dust nuisance, dust deposition; and

for a complaint alleging adverse health effects caused by dust, the concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging

must be carried out at place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

END OF CONDITIONS FOR SCHEDULE 2B

Schedule 2C - Water

Release to waters

Contaminants must not be released from the licensed place to any waters or the bed and banks of any waters.

Stormwater Management and Erosion Protection Measures

As part of the Site Based Management Plan required by condition (2A3), a system of suitable diversion drains or embankments must be constructed and maintained to divert surface waters away from any area of the licensed places where contact with wastes or contaminants may occur, paying particular attention to:

- active disposal areas; and
- any waste storage areas; and
- any area previously used for waste disposal; and
- any leachate collection ponds (if applicable); and

There must be no release of stormwater runoff that has been in contact with any contaminants at the site, to any storm water drain, roadside gutter, or waters.

Erosion protection and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment from the licensed premises.

Contaminated Water Collection

The active waste disposal areas must be constructed in such a manner that the base of the disposal area is graded downward from the operating face to a collection sump to enable accumulation and containment of contaminated stormwater and leachate.

Cleaning and Spillages

The maintenance and cleaning of any vehicles, other equipment or plant must be carried out in areas where contaminants cannot be released into any waters, roadside gutter or external stormwater drain(age).

Any spillage of waste, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such waste, contaminants or material to any external stormwater drain(age) system, roadside gutter or waters.

END OF CONDITIONS FOR SCHEDULE 2C

Schedule 2D - Noise and vibration

Noise nuisance

Noise from activities must not cause an environmental nuisance at any noise sensitive place or any commercial place.

In the event of a complaint about noise that constitutes annoyance being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from each of the licensed places must not result in levels greater than those specified in Schedule 2D – Table 1.

Environmental authority

Schedule 2D - Table 1

Time period	Noise level at a 'Noise sensitive place' measured as the Adjusted
7am - 6pm	Background noise level plus 5 dB(A)
6pm - 10pm	Background noise level plus 5 dB(A)
10pm - 7am	Background noise level plus 3 dB(A)
Time period	Noise level at a 'Commercial place' measured as the Adjusted
7am - 6pm	Background noise level plus 10 dB(A)
6pm - 10pm	Background noise level plus 10 dB(A)
10pm - 7am	Background noise level plus 8 dB(A)

Note 1: $L_{A\ 10, \text{adj}, 15 \text{ mins}}$ levels may be substituted for $L_{A\text{max}, \text{adj}, 15 \text{ mins}}$ levels if evidence is provided that $L_{A\ 10, \text{adj}, 15 \text{ mins}}$ levels are representative of component noise levels from source(s)/premises under investigation.

Noise monitoring

When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:

background noise;

$L_{A, \text{max adj}, T}$ or where established as being appropriate $L_{A10, \text{adj} 15\text{mins}}$,

the level and frequency of occurrence of impulsive or tonal noise;

atmospheric conditions including wind speed and direction;

effects due to extraneous factors such as traffic noise: and

location, date and time of recording.

The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR SCHEDULE 2D

Schedule 2E - Waste

Waste handling

All regulated waste removed from the licensed place must be removed by a person who holds a current authority to transport such waste under the provisions of the *Environmental Protection Act*

Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.

The holder of this environmental authority must not allow waste to burn or be burned at or on the premises to which this environmental authority relates.

(This condition does not apply to the material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm and this condition does not refer to activities carried out under the provisions of the Fire Services Act 1990.)

The holder of the environmental authority must not remove waste from the premises to which this environmental authority relates and burn such waste elsewhere.

Off Site Movement

Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and keep records of the following:

- the date, quantity and type of waste removed;
- name of the waste transporter and/or disposal operator that removed the waste; and
- the intended treatment/disposal destination of the waste.

Waste Acceptance and Operating Criteria

This environmental authority permits only the following wastes to be disposed of at the licensed place:

- domestic waste:
- commercial waste:
- domestic clean-up waste;
- construction or demolition waste:
- industrial waste:
- garden wastes;
- putrescible wastes;
- solid inert wastes:

limited regulated waste may be disposed of in the general waste stream provided the quantity of limited regulated waste received at the facility in a year is not more than 10% of the total waste received at the facility in any calendar year.

NOTES:

- (a) wet cell batteries, waste oil and grease trap waste may be accepted and temporarily stored at the licensed place for recycling purposes.
- (b) drums containing any residual regulated waste are a regulated waste unless effectively cleaned in accordance with Operational Policy 'Determinations for management of regulated wastes'.

Limited regulated waste disposed of at the landfill must only be in a solid form.

Where waste is to be interred in a waste disposal cell that is not lined with an impermeable liner material the waste must comply with the waste acceptance criteria in Schedule 2E – Table 1.

Schedule 2E - Table 1.
Waste Acceptance Criteria - Unlined Waste Disposal Cells

Contaminant	Maximum contaminant level in solid waste	Maximum contaminant leaching level
Antimony		0 mg/L
Arsenic		0
Barium		1
Cadmium		0.01
Chromium		0
Cobalt		0
Copper		1
Lead		0
Mercury		0.01
Molybdenum		0
Nickel		0
Selenium		0
Silver		0
Thallium		0
Tin		0
Vanadium		0
Zinc		5
Bromide		
Chloride		
Cyanide total		
Fluoride		
Sulphate		
Nitrate		
Total organic carbon		10000
Benzene		
Ethyl Benzene		
Toluene		
Xylene		
Total Monocyclic aromatic hydrocarbons		
Anthracene		
Benzo(a)anthracene		0.005
Benzo(b)fluoranthene		0.005
Benzo(k)fluoranthene		0.002
Benzo(a)pyrene		0.005
Benzo(e)pyrene		0.005
Chrysene		
Dibenz(a,h)anthracene		0.002
Dibenz(a,i)anthracene		
Dimethylbenz(a)anthracene		0.005
Fluoranthene		
Naphthalene		
Phenanthrene		
Pyrene		
Total polycyclic aromatic hydrocarbons PAH		
Phenol		
m-cresol		
o-cresol		
p-cresol		
Total non-halogenated phenol		

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Chloro benol	
Trichloro benol	
Pentachloro benol	
Total halo enated benol	
Carbon tetrachloride	
1,2 Dichloroethane	
1,1 Dichloroethene	0.003
Tetrachloroethene	
Trichloroethene	
Tc	
Chlorobenzene	
Hexachlorobenzene	0.002
Tota	
Aldrin	
Chlordane	0.006
Chlorp rifos	
Dieldrin	
DDT	0.003
Endrin	
Hepi	0.003
Lindane	
Methox chlor	
Toxaphene	0.005
Tota	
2,4-D	
2,4-DB	
MCPA	
2,4,5	0.002
Total herbicides	
Carbar I	
Carbofuran	
Total	
Diazinon	
Parathion	
Meth I Parathion	0.006
Total	
Atrazine	
Simazine	
Total	
Total Petroleum H drocarbons C ₁₀ -C ₁₄	
Total Petroleum H drocarbons C ₁₅ -C ₂₈	10000
Total Petroleum H drocarbons C ₂₈ -C ₃₆	10000
Total Petroleum H drocarbons	

Note: The contaminant levels in Table 1 are drawn from the limits applicable to unlined and lined landfills provided in Appendix C, Tables 1 & 2 of the Liquid Industrial Waste Policy And Management Plans - Brisbane City Council

The following conditions must be complied with in the disposal of all forms of asbestos waste:

the asbestos waste must be disposed of:

to a designated asbestos disposal pit(s) where no excavation takes place following the disposal of asbestos waste within that pit, and immediately covered with 200 mm of consolidated earth or equivalent cover material over the entire area of the pit; or placed at the bottom of the current working face of the landfill unit (the disposal place) and immediately covered with at least 1 metre of waste;

the asbestos waste, the asbestos waste disposal pit or disposal place as the case may be, and all areas within 2 metres of the disposal pit/disposal place and asbestos waste (the 2 metre buffer area) must remain undisturbed following the waste disposal operation (including not placing the waste in a position where any gas extraction wells are likely to be necessary or drilling any gas extraction wells through the waste deposit);

plant and equipment must be available for any necessary preparation of the disposal pit/disposal place upon receipt of the asbestos waste and immediate covering of the asbestos waste and compacting of the area upon placement in the pit; and

the asbestos waste must be contained within the final landfill unit at a minimum distance of two (2) metres from the surface and flanks of the final landfill unit, excluding any final cover system required as a condition of this environmental authority (where final landfill unit means that deposition to the landfill unit has ceased).

Prohibited Wastes

The following wastes must not be accepted onto the licensed place:

liquorous waste streams or any waste capable of yielding free liquids (does not include leachate or condensate arising from gas collection within the licensed place);

untreated infectious and chemical wastes and liquid pharmaceuticals from clinical and related waste stream;

cytotoxic wastes;

untreated sharps from non domestic premises;

S8 pharmaceuticals;

all radioactive wastes, unless otherwise approved under the Radioactive Substances Act 1958;

pyrophoric wastes (where co-disposed with other potentially combustible material); and

explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction.

- (2E11) No wastes that exhibit any of the hazard characteristics listed in Schedule 2E - Table 2 must be interred at the waste disposal facility.

Schedule 2E - Table 2.

Hazard Characteristic	Description Of The Hazard Characteristic
Ignitability	Regulated wastes that are capable of causing a fire when ignited through friction, absorption of moisture, or spontaneous chemical changes under standard temperature and pressure
Corrosivity	Regulated wastes which on dissolution exhibit a pH of 2 or less, or 12.5 or greater

Notwithstanding condition number (2E10), minor amounts of regulated waste not specifically permitted to be accepted may be deposited at the licensed place provided:

- the regulated waste is incidental to and commingled with the general waste stream; and
- the quantity and concentration of the regulated waste (both individually and in aggregate) is insignificant; and
- it is impracticable to segregate the regulated waste from other waste which is permitted to be deposited; and
- the deposition of the regulated waste is not likely to cause any risk of fire, explosion, public health danger, nuisance, or environmental harm; and
- all practicable steps are taken to inform persons using the facility that such wastes are not be included in the waste stream to be deposited at the waste disposal facility.

- (2E13) If the holder of this integrated authority becomes aware that a person has removed regulated waste from the licensed places and disposed of the regulated waste in a manner which is not authorised by the integrated authority or improper or unlawful, then the holder of integrated authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

In the event that the holder of this integrated authority becomes aware of prohibited waste being commingled in any waste stream the holder of this integrated authority must:

- cease the depositing of such waste;
- remove the prohibited waste and store in a proper and efficient manner;
- notify the person who sent the prohibited waste to the premises to which this integrated authority relates of the detection of prohibited waste in the waste received;
- as soon as practicable arrange for a person who can lawfully transport such waste to collect such waste;
- arrange for the person transporting the prohibited waste to transport such waste to a facility that can lawfully accept such waste; and
- produce the following records:
 - type of prohibited waste;
 - quantity of prohibited waste;
 - date of disposal;
 - name and address of the person(s) transporting the prohibited waste to the facility; and
 - name and address of the person(s) who generated the prohibited waste (if such person(s) can be reasonably identified).

For the purpose of this condition, "prohibited waste" means a waste that is not permitted to be accepted at that landfill facility by a condition of this integrated authority.

- (2E15) Exposed waste (excluding recyclable waste that is temporarily stored in a defined area) must be limited to the working face of any landfill unit and the area of exposure must be minimised to the greatest extent practicable. For the purpose of this condition, no waste must be deposited beyond the boundaries of the landfill unit(s).

Earthen material necessary for coverage of deposited waste must be stored and be readily available at the premises to which this environmental authority relates in a quantity sufficient for not less than two weeks operation of the landfill facility.

Deposited waste must be covered:

- with earthen material to a thickness of at least 0.2 metres; or
- with other alternative material of sufficient thickness and nature to ensure that there is no exposure of waste;
- every second day at the Bonnick Road, Gympie Landfill;
- once per week at all other landfills.

For the purpose of this condition, the use of any alternative material must initiate a trial for a period of up to 3 months, such that potential environmental harm (eg. odour, vermin breeding) is assessed and reported to the administering authority upon completion.

- (2E18) An all-weather internal road must be provided and maintained to the working face of the landfill facility at all times.

Construction of Disposal Areas

Ensure that any active waste disposal area is constructed to allow plant and machinery access so that wastes can be effectively consolidated, compacted and covered.

Where an active disposal area or any part thereof is installed above ground the embankments must be maintained to ensure the stability and integrity of construction.

Soil Permeability

Soils or other materials used in the construction of any waste disposal cells, above ground embankments, storage ponds and final cover must achieve an insitu hydraulic conductivity which is sufficiently impervious so as to prevent or minimise the release of leachate from the waste disposal area to waters including groundwater.

Active Waste Disposal Area Management

Ensure that all wastes accepted for disposal at the licensed place are not disposed of:

- beyond any active waste disposal area; and
- into waters or leachate; and
- beyond the catchment of any leachate collection drains if installed as part of a leachate collection system.

The holder of this environmental authority must ensure that exposed wastes are confined to the operating face of the active waste disposal area and that the operating face is maintained at a minimum practicable size at all times.

Groundwater Monitoring

By 1 December 2005 the holder of this environmental authority must undertake a risk assessment for each licenced site to determine the potential for the release of contaminants to groundwater and based on this, any resultant need for groundwater monitoring. The risk assessment must be undertaken by a person/s possessing appropriate qualifications and experience in land fill design management and hydrogeology. Based on this risk assessment, the holder of this Environmental Authority must determine waste disposal sites where groundwater monitoring is required to assess compliance with condition (2C1).

Where the risk assessment required by condition (2E24) indicates that groundwater monitoring is required a groundwater network must be:

installed and maintained by a person possessing appropriate qualifications and experience in the fields of hydrogeology and groundwater monitoring program design to be able to competently make recommendations about these matters; and
include a sufficient number of "bore(s) of compliance", constructed in accordance with the "Minimum Construction Requirements for Water Bores in Australia" (Agricultural and Resource Management Council of Australia and New Zealand 1997), that are located not more than 150 metres from the landfill unit or the boundary of the landfill facility whichever is the closer, and provides the following:

- representative groundwater samples from potentially impacted aquifer/s; and
- background groundwater quality in hydraulically up-gradient or background bore(s) that have not been affected by any release of contaminants to groundwaters; and
- the quality of groundwater down gradient of any release of contaminants to groundwater including groundwater passing the relevant bore(s) of compliance

Conduct monitoring and keep records of groundwater quality. All determinations of groundwater quality must be:

made in accordance with methods prescribed in the Water Quality Sampling Manual and, where appropriate, in accordance with standards ISO 5667-11 1993 or AS/NZ 5667.11: 1998 Water Quality – Sampling – Guidance on sampling at Groundwaters and ISO 5667-18: 2001 Water Quality Sampling – Part 18 – Guidance on Sampling of Groundwater at Contaminated Sites; conducted for the water quality characteristics and at the frequency in Schedule 2E - Table 3; taken from sufficient monitoring points and/or wells to obtain representative samples of groundwater both up-gradient and down-gradient of the potential influence; carried out with sufficient regularity and spatial and temporal replication to make statistically valid conclusions about the presence or absence of a release; followed by an assessment of whether or not there has been any statistically significant adverse change compared to background values at locations hydraulically down gradient of the landfill unit for each quality characteristic in Schedule 2E - Table 3.

Schedule 2E – Table 3

Quality characteristic	Monitoring frequency
Total Organic Carbon	
5-day BOD (mg/L)	
Iron (total)	
	Quarterly
Conductivity	
Dissolved Oxygen	

Leachate Management

- (2E27) Ensure that all reasonable and practical measures are taken to ensure the disposal area is operated and managed so as to minimise the generation of leachate.

Leachate Disposal

- (2E28) Leachate generated on the licensed place must only be disposed of in a manner such that there is no direct or indirect release of contaminants to any groundwater, stormwater drain, roadside gutter or surface watercourse.

- (2E29) Ensure that any leachate or contaminated stormwater generated on the licensed place is collected conveyed to a leachate storage dam or pond; and/or disposed of in accordance with condition (2E30).

Leachate or contaminated stormwater which is intercepted and collected on the licensed place may be disposed of:

- by evaporation; or
- by recirculation back into the areas of the licensed place where waste disposal is taking place;
- by disposal to sewer

Leachate Storage Ponds or Dams

Ensure that any pond or dam installed at the licensed place which is used for the collection and storage of leachate or contaminated stormwater must be:

- constructed of low permeability soils or other material so as to prevent any direct or indirect release of contaminants through the base or embankments; and
- maintained to ensure the stability and integrity of construction; and
- so that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies.

Public Health and Nuisance

The holder of this environmental authority must take all reasonable and practicable measures necessary to ensure that the carrying out of the environmentally relevant activities do not cause any adverse effect on public health or any nuisance, particularly in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors.

In the event of any adverse effect upon public health and / or any nuisance arising from the conduct of the environmentally relevant activities, the holder of this environmental authority must take all reasonable and practicable measures necessary to:

- abate such adverse effects and such nuisance; and
- prevent the likelihood of any recurrence of the circumstances that gave rise to such adverse effects and / or such nuisance.

The holder of this environmental authority must use all practicable means to exclude from refuse disposal areas access of birds, dogs and other pest species to that extent necessary to ensure that such birds, dogs and other pest species do not cause any:

- danger or risk to the health of any persons; or
- environmental harm.

Landfill Unit(s) Interim Closure Management

The holder of this environmental authority must implement interim closure management for landfill unit(s) at a landfill facility that are not accepting waste.

For the purpose of this condition, interim closure management must include at least the following

- the installation of an interim cover system that is designed with effective drainage systems to minimise erosion and to minimise water ponding; and
- a stabilisation program including practicable measures for revegetation and or mulching.

Landfill Facility Post-Closure Management

The holder of this environmental authority must develop and provide to the administering authority a draft landfill post-closure management program for review and comment at least six (6) months before the expected final receipt of waste in the landfill.

The landfill post closure management program must include details of at least the following

the total waste volumes or tonnage of the landfill unit being closed;
a landform relief plan including the extent of the landfill footprint;
the design of a final cover system including thickness and permeability of cover layers and any lateral drainage layers;
the erosion prevention system that is designed with effective drainage systems to minimise erosion and to minimise water ponding;
the revegetation and stabilisation program for the landfill to minimise final cover erosion and final cover species root penetration through to the waste pile;
the procedures for maintaining and operating any stormwater management system;
the procedures for maintaining and operating any leachate collection system;
any proposed nuisance or wildlife control procedures;
the proposed land use at the premises to which this environmental authority relates during and after the rehabilitation program; and
the expected date the holder of this environmental authority intends to begin rehabilitation activities and the expected time-lines to implement the program.

For the purpose of this condition, the landfill post-closure management program must be effective in preventing and / or minimising the likelihood of environmental harm being caused or allowed. The program must include measures and schedule timeframes to:

- monitor the structural integrity and effectiveness of the final cover system, particularly for erosion and subsidence of the cover system; and
- monitor any leachate, surface water, receiving water and groundwater monitoring system at a frequency sufficient to detect any release of contaminants to water resources.

For the purposes of preventing and / or minimising the likelihood of environmental harm being caused as a result of deposition of waste, the holder of this environmental authority must, following cessation of deposition of waste in the landfill facility, conduct post-closure management measures

- a period of 30 years; or
- such shorter period until it is demonstrated to the administering authority in a competent manner using factually correct information that the landfill unit(s) within the landfill facility and surrounding site are geotechnically stable and that no release of waste materials, leachate, uncontrolled landfill gas or other contaminants to the environment is likely.

Litter Control

The holder of this environmental authority shall take all reasonable and practicable measures to ensure that the movement of litter from the carrying out of the activity does not cause environmental harm or nuisance through the use of practical and effective litter control measures and management practices, such measures may include but are not limited to:

- minimisation of areas of uncovered wastes;
- frequent applications of cover material to deposited wastes;
- the use of relocatable litter screens around the area of the waste deposition;
- the use of fixed litter control fencing around the perimeter or other places; and
- the implementation of regular litter collection programs that include cleaning of site perimeter fencing.

Where litter is blown or washed from the premises to which this environmental authority relates in amounts that are significant in scale or extent, the holder of this environmental authority must take all reasonable and practicable actions to retrieve the litter and ensure that it is disposed of in a lawful manner.

Scavenging

Scavenging of materials from the waste disposal area is prohibited except where an agreement exists between the licensee and an approved scavenging contractor. Food, clothing, bedding, toiletries and other personal effects are not permitted to be scavenged from the site.

END OF CONDITIONS FOR SCHEDULE 2E

Schedule 2F - Land

Preventing contaminant release to land

Contaminants must not be released to land except as permitted under this Authority.

Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

The base and walls of all bunded areas must be maintained free from gaps or cracks.

END OF CONDITIONS FOR SCHEDULE 2F

Schedule 2G - Community

Complaint response

All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request

In consultation with the administering authority, cooperate with and participate in any community environmental liaison committee established in respect of either the site specifically, or the industrial estate where the site is located.

END OF CONDITIONS FOR SCHEDULE 2G

Schedule H - Definitions

Words and phrases used throughout this licence or environmental authority are defined below:

Where a definition for a term used in this authority is sought and the term is not defined within this authority the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

administering authority" means the Environmental Protection Agency or its successor.

means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Environmental authority.

site" means the place to which this environmental authority relates or the premises to which this environmental authority relates.

authorised place" means the place authorised under this environmental authority/environmental authority for the carrying out of the specified environmentally relevant activities.

"this authority" means this environmental authority.

approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

"dust sensitive place" means -

a dwelling, mobile home or caravan park, residential marina or other residential place;

a motel, hotel or hostel;

a kindergarten, school, university or other educational institution;

a medical centre or hospital;

a protected area;

a park or gardens; or

a place used as an office or for business or commercial purposes.

and includes the curtilage of any such place.

odour sensitive place" has the same meaning as a "dust sensitive place"

"dwelling" means any of the following structures or vehicles that is principally used as a residence-

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan mobile home or other vehicle or structure on land;
- a water craft in a marina.

noxious means harmful or injurious to health or physical well being.

offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

nuisance sensitive place" includes -

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
 - a motel, hotel or hostel; or
 - a kindergarten, school, university or other educational institution; or
 - a medical centre or hospital; or
 - a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
 - a public thoroughfare, park or gardens; or
 - a place used as a workplace, an office or for business or commercial purposes.
- and includes a place within the curtilage of such a place reasonably used by persons at that place.

"L_A 10, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

"L_A 1, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response

"L_A, max adj, T" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

noise affected premises" means a "noise sensitive place" or a "commercial place"

noise sensitive place" means -

- a dwelling, mobile home or caravan park, residential marina or other residential premises; or
 - a motel, hotel or hostel; or
 - a kindergarten, school, university or other educational institution; or
 - a medical centre or hospital; or
 - a protected area; or
 - a park or gardens.
- and includes the curtilage of such place.

commercial place" means a place used as an office or for business or commercial purposes.

intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

protected area" means -

a protected area under the Nature Conservation Act 1992; or
a marine park under the Marine Parks Act 1992; or
a World Heritage Area.

waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, any part-thereof.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

regulated waste" means non-domestic waste mentioned in Schedule 7 of the Environmental Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes:

for an element - any chemical compound containing the element; and
anything that has contained the waste.

"licensed vehicle" means a vehicle authorised to be used under the licence to transport regulated waste.

registered vehicle" means "licensed vehicle"

clinical waste" means waste that has the potential to cause disease including, for example, the following

animal waste;
discarded sharps;
human tissue waste;
laboratory waste.

infectious waste" means "clinical waste"

END OF DEFINITIONS FOR SCHEDULE H

PART 3

Environmentally relevant activity(ies)

Location(s)

ERA 62 Waste transfer station operation - operating, on a commercial basis or in the course of carrying on a commercial enterprise, a waste transfer station that receives a total quantity of at least 30t or 30m³ of waste on any day

Lot 2 on Plan SP238517 - Bayside Road, TIN CAN BAY QLD 4580

Agency Interest: General

Prevent and/or minimise likelihood of environmental harm

In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused.

Site Based Management Plan

From commencement of an ERA to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

The SBMP must address the following matters:

Environmental commitments - a commitment by senior management to achieve specified and evant environmental goals.

- (b) Identification of environmental issues and potential impacts.
- (c) Control measures for routine operations to minimise likelihood of environmental harm.
- (d) Contingency plans and emergency procedures for non-routine situations.
- (e) Organisational structure and responsibility.
- (f) Effective communication.
- (g) Monitoring of contaminant releases.
- (h) Conducting environmental impact assessments.
- (i) Staff training.
- (j) Record keeping.
- (k) Periodic review of environmental performance and continual improvement.

Maintenance Of Measures, Plant and Equipment.

The operator of an ERA to which this approval relates must:
install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
maintain such measures, plant and equipment in a proper and efficient condition; and
operate such measures, plant and equipment in a proper and efficient manner.

Monitoring

A competent person(s) with appropriate training must conduct and report on any monitoring required by this approval.

Records

Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.

Equipment Calibration

Il instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.

Notification

Telephone the DERM's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.

A written notice detailing the following information must be provided to the DERM within 14 days of any advice provided in accordance with condition G7:

- a) the name of the operator, including their approval / registration number;
- b) the name and telephone number of a designated contact person;
- c) quantity and substance released;
- d) vehicle and registration details;
- e) person/s involved (driver and any others);
- f) the location and time of the release;
- g) the suspected cause of the release;
- h) a description of the effects of the release;
- i) the results of any sampling performed in relation to the release,
- j) actions taken to mitigate any environmental harm caused by the release; and
- k) proposed actions to prevent a recurrence of the release.

Spill Kit

An appropriate spill kit, personal protective equipment and relevant operator instructions / emergency

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procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site.

Anyone operating under this approval must be trained in the use of the spill kit.

Agency Interest: Air

Nuisance

The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any nuisance sensitive place

Dust Nuisance.

The release of dust and/or particulate matter resulting from the ERA must not cause an environmental nuisance at any nuisance sensitive place

When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:

- for a complaint alleging dust nuisance, dust deposition; and
- for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.

Agency Interest: Land

Preventing Contaminant Release To Land

Contaminants other than settled/ treated stormwater from the stormwater collection system must not be released to land.

The irrigation of settled/ treated stormwater must be carried out in a manner such that:

- a vegetation is not damaged;
- b soil erosion and soil structure damage is avoided;
- c there is no surface ponding;
- d percolation beyond the plant root zone is minimised;
- e the capacity of the land to assimilate nitrogen, phosphorus, salts and water is not exceeded;
- a the quality of ground water is not adversely affected

Cleaning and Spillages

Spillage of all chemicals must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

The base and walls of all bunded areas must be maintained free from gaps or cracks

All bunding must be roofed.

Any spillages of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes,

contaminants or material to any stormwater drainage system, roadside gutter or waters.

Agency Interest: Noise

Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place.

Notwithstanding condition N1 the ERA must be carried out by such reasonable and practicable means necessary to prevent the emission of noise that constitutes an unreasonable intrusive noise. The reasonable and practicable measures adopted for the site must be incorporated into the relevant procedure(s) implemented under the Site Based Management Plan and may include but not necessarily be limited to the following noise abatement measures:

- i) ensure that any new equipment to be used on the site is assessed for potential noise nuisance impacts and appropriately attenuated;
ensure that all plant and equipment is operated and maintained in a proper and efficient manner;
ensure that engine cowlings and high efficiency silencers are fitted to all the engines of all plant and equipment identified as impacting on noise sensitive receivers;
ensure that noise generating activities are not undertaken in close proximity to nuisance sensitive places;
ensure that noise generating activities are not undertaken outside the hours of 8.00am – 5.00pm Monday – Friday and 8.00am – 4.00pm weekends and public holidays;
ensure that noise abatement barriers are sited such that they effectively intercept the sound transmission path between the sources of noise and receptor premises;
ensure that reversing beepers used on vehicles employ current best practice reversing beeper technologies for noise (as approved for use according to workplace safety legislative requirements) and that all reasonable and practicable operational measures are taken to minimise nuisance created by the use of reversing beepers;
ensure that measures are in place to minimise impact noise associated with the activity (eg. metal on metal).

In the event of a complaint about noise environmental nuisance that the administering authority considers is not frivolous or vexatious, then the administering authority may require a Noise Management Plan to be developed within one (1) month of the registered operator being advised in writing of the complaint. The Noise Management Plan must address at least, but not be limited to, the following matters:

- identification of component noise sources and activities at the place(s) which impact on noise sensitive areas;
- the measured and/or predicted level of these noise sources and activities at noise sensitive places;
- the reasonable and practicable control or abatement measures that can be undertaken to reduce identified intrusive noise sources;
- the level of noise at noise sensitive places that would be achieved from implementing these measures.
- the handling of future noise complaints;
- community liaison and consultation; and
- training of staff in noise management practices.

Noise Monitoring.

When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority.

Monitoring must include:

- Background Noise Level
- L_A 10, adj, 10 mins
- L_A 1, adj, 10 mins
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;

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effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

The method of measurement and reporting of noise levels must comply with the latest edition of the Department of Environment and Resource Management's Noise Measurement Manual.

Agency Interest: Water**Release to waters**

Contaminants other than settled or treated stormwater from the stormwater collection system must not be released from the site to any waters or the bed and banks of any waters

Notwithstanding condition WA1, settled or treated stormwater released must not have any properties nor contain any organisms or contaminants in concentrations that are capable of causing environmental harm.

Stormwater Management.

All stormwater that passes through the site where the ERA is being carried out must be diverted to the stormwater collection system and or sediment control system for settling or treatment prior to any release from the site.

Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.

The registered operator must develop and implement a Stormwater Management Plan (SWMP) as part of the Site Based Management Plan for the site. A SWMP must address at least the following issues

- a) treatment and disposal of contaminated stormwater;
- b) diversion of upstream runoff away from areas containing wastes or contaminants;
cleaning of contaminated areas without water;
installation of stormwater diversion systems;
- e) roofing contaminated areas;
- f) sampling for stormwater quality;
- g) location of catchment areas, stormwater diversion banks, stormwater retention ponds, drains, filter strips and sediment traps; and
location of current and proposed waste storage areas.

Suitable banks and/or diversion drains must be installed and maintained to exclude clean stormwater runoff from entering:

- areas containing contaminants or likely to contain contaminants from the activity; and
- stormwater retention ponds or other structures used for the storage or treatment of contaminants or wastes.

Ponds used for the storage or treatment of contaminants must be constructed, installed and maintained:
So as to minimise the likelihood of any release of contaminants through the bed or banks of the pond to any waters (including groundwater);
So that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies; and
So as to ensure the stability of the ponds' construction.

Agency Interest: Waste

Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.

Waste Composition.

Only the following waste materials are permitted to be accepted at the waste transfer facility:

- recyclable waste
- general waste
- green waste
- metal waste (including ferrous and non-ferrous metals, scrap metal and car bodies)

Notwithstanding condition W2, the following wastes may be accepted and stored at the approved place prior to transporting elsewhere for recycling (provided that they are stored in compliance with relevant conditions of this approval):

- (i) vehicle batteries;
- (ii) waste oil; and
- (iii)

For the purpose of this condition:

- wastes must be stored temporarily and in a proper and efficient manner;
- used wet cell batteries may only be stored temporarily at the site provided that they are stored in a covered enclosure which is bunded to contain spillage and leakage and provided that the batteries are removed on at least a 3 monthly basis to a place approved by the administering authority to accept such wastes;
- used tyres temporarily stored at the waste transfer station must be stockpiled in a designated area and stockpiled with no more than 500 passenger tyre equivalents in whole or equivalent parts at any one time.
- separate and secure containers or containment areas must be available at all times to receive the wastes listed in this condition; and
- temporarily stored regulated wastes must be directed as soon as practicable to another facility that can lawfully accept such waste.

In the event that you become aware of prohibited wastes being commingled in the waste stream you must:

- cease the depositing of such waste if depositing of such waste is occurring;
- remove the prohibited waste and store in a proper and efficient manner;
- notify the person who sent the prohibited waste to the site of the detection of prohibited waste in the waste received;
- as soon as practicable arrange for a person who can lawfully transport such waste to collect such waste;
- arrange for the person transporting the prohibited waste to transport such waste to a facility that can lawfully accept such waste;
- produce the following records:
 - (a) type of prohibited waste;
 - (b) quantity of prohibited waste;
 - (c) date of disposal;
 - (d) name and address of the person(s) transporting the prohibited waste to the facility;
 - (e) name and address of the person(s) who generated the prohibited waste (if such person(s) can be reasonably identified).

For the purpose of this condition, "prohibited waste" means a waste (including a proportion of waste) which is not permitted to be accepted at the facility by a condition of this approval.

Design and Operating Criteria

The waste containers used for the transfer of waste must be:

- maintained in a proper and efficient state of repair to effectively contain the deposited wastes;
- cleaned regularly.

The cleaning of waste containers conducted on the site must be carried out within a designated washdown facility so that all washdown water resulting from such activities is collected and disposed of to the municipal sewerage system via an authorised trade waste disposal point or another facility holding an appropriate approval under the *Environmental Protection Act 1994* to receive such waste.

Where litter is blown or washed from the waste transfer station building enclosures, in amounts which are not insignificant in scale or extent, the registered operator must take all reasonable and practicable actions to retrieve the litter and ensure that it is disposed of in an appropriate manner. Measures must be implemented to prevent a recurrence of litter being blown or washed from the premises.

Waste Handling

All regulated waste removed from the premises to which this environmental authority relates must be removed by a person who holds a current approval to transport such waste under the provisions of the *Environmental Protection Act 1994*.

Security

The registered operator must install and maintain a security fence with lockable gates to a reasonable standard that will prevent unauthorised access to the site.

The registered operator must ensure that, at all times while the facility is open, at least one person must be present who is responsible for the control and operation of the facility and whose duties must include but are not limited to:

- controlling the reception, storage and unauthorised removal of waste;
- maintaining the facility to an appropriate environmental standard;
- supervising all persons entering the facility; and
- supervising that waste acceptance criteria is being maintained.

The registered operator must ensure all access gates are locked when the site is unattended.

Signage

You must prominently display at the site appropriate signs specifying:

- that unlawful entry and unauthorised scavenging is prohibited;
- the appropriate locations at which specified waste may be deposited and any requirements as to the deposition of such waste;
- the waste which is permitted to be deposited at the facility and advising that other waste must not be deposited at the facility; and
- that lighting of fires is prohibited.

Fire Prevention

Clear access to a water supply for fire fighting vehicles must be provided at all times.

An effective fire management plan must be maintained. Procedures must comply with any requirements of the Regional Fire Commander.

You must not:

-) allow waste to burn or be burnt at or on the site; nor
- i) remove waste from the site and burn such waste elsewhere.

Public Health Issues

You must install and operate all works and control equipment and take all practicable measures, perform all acts and do all things necessary to ensure that the carrying out of the environmentally

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relevant activity does not cause any adverse effect on public health or any nuisance, particularly in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors.

In the event of any adverse effect upon public health and/or any nuisance arising from the conduct of the environmentally relevant activity, you must do all such acts and things and carry out any such works as may be necessary to:

- (i) abate such adverse effects and such nuisance: and
- (ii) prevent the likelihood of any recurrence of the circumstances which gave rise to such adverse effects and/or such nuisance.

Agency Interest: Social

Complaint Response

The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request:

- a Time, date, name and contact details of the complainant;
- b reasons for the complaint;
- c any investigations undertaken;
- d conclusions formed; and
- e any actions taken.

DEFINITIONS

Words and phrases used throughout this permit¹ are defined below. Where a definition for a term used in this permit¹ is sought and the term is not defined within this permit¹ the definitions provided in the relevant legislation shall be used.

"administering authority" means the Department of Environment and Resource Management or its successor.

"annual return" means the return required by the annual notice (under section 316 of the *Environment Protection Act 1994*) for the section 73F registration certificate that applies to the environmental authority.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Sustainable Planning Act 2009*.

"authorised place" means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.

"background noise level" means either:

$L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period not less than 15 minutes, using Fast response, or

$L_{avg,T}$ being the A-weighted sound pressure level obtained using Fast response and arithmetically averaging the lowest levels of the ambient sound pressure level during a representative time period of not less than 15 minutes.

"clinical waste" means waste that has the potential to cause disease including, for example, the following:
animal waste;
discarded sharps;
human tissue waste;
laboratory waste.

"dwelling" means any of the following structures or vehicles that is principally used as a residence –
a house, unit, motel, nursing home or other building or part of a building;
a caravan mobile home or other vehicle or structure on land;
a water craft in a marina.

Environmental authority

"Department of Environment and Resource Management" means the department or agency (whatever called) administering the *Coastal Protection and Management Act 1995* or the *Environmental Protection Act 1994*.

general waste means waste other than regulated waste or for waste management in local government areas, any of the following:
 commercial waste;
 domestic waste;
 recyclable waste.

green waste means grass cuttings, trees, bushes, shrubs, loppings of trees, bushes or shrubs, or similar matter produced as a result of the ordinary use or occupation of premises

infectious waste means waste containing viable micro-organisms or their toxins which are known or suspected to cause disease in animals or humans.

intrusive noise means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –
 is clearly audible to, or can be felt by, an individual; and
 annoys the individual.
 In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 – 1997 Acoustics – Description and Measurement of Environmental Noise Part 2 – Application to Specific Situations.

"L_A 10, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response

"L_A 1, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response

"land" in the "land schedule" of this document means land excluding waters and the atmosphere

noxious means harmful or injurious to health or physical well being.

nuisance sensitive place includes –

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place

offensive means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

protected area means –

- a protected area under the *Nature Conservation Act 1992*; or
- a marine park under the *Marine Parks Act 1992*; or
- a World Heritage Area.

recyclable waste for a local government's area means clean and inoffensive waste that is declared by the local government to be recyclable waste for the area. Examples of waste that may be declared to be recyclable waste include glass bottles, newspaper, cardboard, steel and aluminium cans.

registered operator means the holder of a registration certificate for the activity to which this environmental authority relates, issued under Section 73F of the *Environmental Protection Act 1994* and in force

regulated waste means waste that -

- is commercial or industrial waste, whether or not it has been immobilised or treated: and

is of a type, or contains a constituent of a type, mentioned in Schedule 7 of the *Environmental Protection Regulation 2008*

Regulated waste includes -

for an element - any chemical compound containing the element; and
anything that contains residues of the waste.

site" means land or tidal waters on or in which it is proposed to carry out the development approved under this environmental authority.

watercourse" means a river, creek or stream in which water flows permanently or intermittently-
in a natural channel, whether artificially improved or not; or
in an artificial channel that has changed the course of the watercourse.

waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

works" or "operation" means the development approved under this environmental authority.

means the holder of this environmental authority or owner / occupier of the land which is the subject of this environmental authority.

END OF DEFINITIONS

PART 4

Environmentally relevant activity(ies)

Location(s)

60-(2e) Waste disposal >20,000t but <50,000t yr

Lot 542 on MCH 801883 - Bonnick Road GYMPIE
QLD 4570

Schedule 1A - Activity

Existing landfill and Landfill Extension

(1A1-1) This environmental authority relates to land filling on land described as Lot 542, on Plan MCH801883. References throughout these conditions to the existing landfill refers to the area of landfill depicted in Figure 1 at Schedule 1H.

References throughout these conditions to the Landfill Extension refers to the area of landfill depicted in Figure 1 at Schedule 1H.

Where a condition does not make reference to a specific area, the condition apply's to the approved premises generally, and will not be restricted to either the existing landfill or landfill extension.

Prevent and/or Minimise Likelihood of Environmental Harm

(1A2-1) In carrying out the environmentally relevant activity, you must take all reasonable and practicable measures to prevent and/or minimise the likelihood of environmental harm being caused. Any environmentally relevant activity that, if carried out incompetently or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner and at least in accordance with the conditions of this approval.

Maintenance of Measures, Plant and Equipment

(1A3-1) The Registered Operator must:

install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
maintain such measure, plant and equipment in a proper and efficient condition; and

operate such measures, plant and equipment in a proper and efficient manner.

Records

- (1A4-1) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Investigation into Alternative Waste Management Practices

- (1A5-1) You are required to investigate alternative waste management practices to maximise, where possible, recycling and diversion of waste from being disposed to landfill.

For the purpose of satisfying this condition in accordance with the waste management hierarchy and principles of the *Waste Reduction and Recycling Act 2011*, on or before 1 December 2012 you must conduct:

a strategic waste management assessment, and include as a target, an aim to achieve a recycling or diversion from land filling at a rate of at least 70%; and
report estimated recycling and diversion rates and any progress made in achieving the 70% target to the administering authority with each annual return after within 2 months of the end of each financial year after 1 December 2012.

Closure and Post-Closure Care

- (1A6-1) Prior to cessation of waste deposition to any landfill unit, a cover system to the landfill unit must be progressively installed such that when waste deposition into the landfill unit ceases:
- infiltration of water into the landfill unit is minimised;
 - the likelihood of any erosion occurring to either the final cover system or the land filled materials is minimised; and
 - un-controlled release of landfill gas is actively managed.
- (1A6-2) Post-closure care of the landfill must be conducted following the cessation of the deposition of waste in the landfill unit. for:
- a period of 30 years; or
 - such shorter period until the landfill unit and surrounding site are geo-technically stable and that no release of waste materials, leachate, landfill gas or other contaminants to the environment is likely.
- (1A6-3) A site management plan pursuant to Chapter 7, Part 8, Division 5 of the Environmental Protection Act 1994 must be developed and provided to the administering authority at least 12 months before the expected final receipt of waste in the landfill unit. The site management plan must include, but is not to be limited to, the future land use and actions you intend to take for compliance with the closure and post-closure care requirements of this approval.

Security

- (1A7-1) All reasonable and practical measures must be implemented to ensure unauthorised access to the premises to which this environmental authority relates is prevented.

Fire Prevention

- (1A8-1) Clear access to a water supply for fire fighting vehicles must be provided at all times.
- (1A8-2) An effective fire break must be provided and maintained.

Notification

- (1A9-1) Telephone the Department of Environment and Resource Management Pollution Hotline on 1300 130 372 or local office on 4121 1800 as soon as practicable after becoming aware of any release of contaminants from the site not in accordance with the conditions of this approval
- (1A9-2) Notwithstanding condition (1A9-1), within 10 days of becoming aware of any release of contaminants from the site not in accordance with the conditions of this approval, provide the following written advice to the administering authority:
- available analysis results; and

details of investigation or corrective actions taken or proposed; and
advice when any outstanding or subsequent analysis results will be provided
advice when any subsequent analysis will be carried out to verify the success of any corrective actions taken.

the name of the operator, including their approval / registration number;
the name and telephone number of a designated contact person;
quantity and substance released;
any vehicle involved and its registration details;
person/s involved;
the location and time of the event / release or monitoring result;
the suspected cause of the event or release;
a description of the effects of the release on the receiving environment.

Spill Kit

- (1A10-1) An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes associated with the Environmentally Relevant Activity must be kept at the site.

Information

- (1A11-1) Erect at the entrance and/or other prominent locations, signs maintained in good repair, written in a language appropriate for the user population and giving the following information:
- the name of the site and a telephone contact number for site information;
 - that disposal of waste is prohibited without the direction or permission of the landfill operator;
 - details of the facility opening hours.

Site Based Management Plan

- (1A12-1) From commencement of the approved activity, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

The SBMP must address the following matters:

- (a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals.
- (b) Identification of environmental issues and potential impacts.
- (c) Control measures for routine operations to minimise likelihood of environmental harm.
- (d) Contingency plans and emergency procedures for non-routine situations.
- (e) Organisational structure and responsibility.
- (f) Effective communication.
- (g) Monitoring of contaminant releases.
- (h) Conducting environmental impact assessments.
- (i) Staff training.
- (j) Record keeping.
- (k) Periodic review of environmental performance and continual improvement

Site Development Plan

- (1A13-1) As part of the SBMP required by condition (1A12-1) the Registered Operator must develop and implement a Site Development Plan (SDP). The SDP must be reviewed on an annual basis and be kept up to date so that it covers at least the subsequent 5 years development of the landfill. The SDP must address at least the following issues:

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dimensions of landfill units used for waste disposal or storage; and
 an accurate level survey of any area to be utilised for the disposal or storage of wastes. The levels must be reduced to a common datum and related to contour plans; and
 the approximate dimensions of each landfill unit and dimensions of the active waste disposal face; and
 the in situ permeability of earthen materials which are to be used for capping and/or lining of waste disposal areas and into which excavations will be made for the purposes of waste disposal; and
 approximate location of any sedimentation pond, and / or pump wells to be used or other facilities, plant and equipment installed as part of a leachate collection, storage and recirculation system; and
 location of any stormwater drains or diversion embankments existing or to be constructed; and
 location of any areas to be capped, the proposed final surface levels and contours, final drainage system and species of vegetation to be planted as part of a rehabilitation program
 location of bores required by condition (1C6-1)

END OF CONDITIONS FOR SCHEDULE 1A

Schedule 1B - Air**Nuisance**

- (1B1-1) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.

Dust Nuisance

- (1B2-1) The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.
- (1B2-2) In the event of a complaint to the administering authority that is not considered to be frivolous or vexatious, and at the request of the administering authority, you must undertake dust and particulate monitoring to investigate environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of the monitoring. Monitoring must include:
- procedures and reporting undertaken in accordance with the ***Air Quality Sampling Manual***;
 - for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24hr averaging time; and
 - be carried out in or at a place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

Management of Landfill Gas

- (1B3-1) The release of landfill gas must not cause environmental harm.
- (1B3-2) Landfill gas is not considered to cause environmental harm if:
- a landfill gas collection system is installed and maintained when the landfill unit is sufficiently elevated to allow adequate draining of gas lines; and
 - landfill gas monitoring shows that the release of methane does not exceed the following limits:
 - 500 ppm at a height of 50 mm above the final and/or intermediate cover surface including the batter slopes of the landfill unit;
 - 25 percent of the lower explosive limit when measured in facility structures (but excluding facility structures used for landfill gas control and landfill gas recovery system components); and
 - (c) the lower explosive limit at the landfill facility boundary

Landfill Gas Monitoring

- (1B4-1) The assessment of compliance with the methane limits at a height of 50 mm above the final and intermediate cover surface of the landfill unit prescribed by (1B3-2) must be undertaken at the following locations:
- on a grid pattern where the grid lines are no more than 50m apart; and
 - at any other locations where visual observations indicate potentially elevated concentrations of landfill gas, for example cracks, seeps in cover and distressed vegetation.
- (1B4-2) A landfill gas monitoring network must be installed for each landfill unit to assess compliance with methane limits for facility structures and at the boundary prescribed by (1B4-1). The network must consist of gas monitoring devices, such as monitoring bores and be developed by a person possessing appropriate qualifications and experience in the fields of hydrogeology and landfill gas monitoring program design to be able to competently make recommendations about these matters.
- (1B4-3) Conduct and keep records of landfill gas monitoring that is performed at the following frequencies:
- at least annually to assess compliance with the methane limit at a height of 50 mm above the cover surface of the landfill unit prescribed by condition (1B3-2); and
 - at least annually to assess compliance with methane limits for facility structures and at the boundary prescribed by condition (1B3-2).

END OF CONDITIONS FOR SCHEDULE 1B

Schedule 1C - Water

Contaminant Releases to Waters

- (1C1-1) Only clean, uncontaminated stormwater runoff from final landforms that are vegetated and rehabilitated and groundwater in accordance with condition (1C5-1), is permitted for direct release from the approved premises.
- (1C1-2) Stormwater runoff from **disturbed areas** at the existing landfill must be directed to drainage areas designed and maintained to minimise sediment release from the existing landfill. Design measures may include (but are not limited to) vegetated drainage swales and rock and sediment sumps or weirs within the approved premises.
- (1C1-3) Stormwater runoff from **disturbed areas** at the landfill extension must be directed to a sedimentation pond, which must be sufficiently constructed, operated and maintained to contain the runoff expected from a 24 hour storm with an average recurrence interval of 1 in 10 years.
- (1C1-4) Settled/treated stormwater runoff from the sedimentation pond must only be released from the following discharge location:
- W2: overflow from sedimentation pond to a tributary of Peter and Paul Gully.

Surface Water Monitoring

- (1C2-1) Monitoring of contaminant releases must be undertaken at the monitoring points described below for each discharge location and records kept, for the quality characteristics and at the frequency specified in Schedule 1C – Table 1:
- Monitoring points:
- W1- clean water bypass around the landfill discharging to Peter and Paul Gully; and
 - overflow from the sedimentation pond; and
 - ambient monitoring upstream of the landfill in Peter and Paul Gully; and
 - ambient monitoring downstream of the landfill in Peter and Paul Gully;
 - Groundwater Cut Off System monitoring point
- (1C2-2) All determinations of water quality from the monitoring prescribed by condition (1C2-1) above must be made in accordance with methods prescribed in the *Monitoring and Sampling Manual 2009 Environmental Protection (Water) Policy 2009*, available from the Department of Environment Resource Management.

(1C2-3) Results of monitoring required by Condition (1C2-1) must be compiled and an interpretation of the results reported to the Administering Authority with each Annual Return.

Schedule 1C – Table 1 (Release Limits)

Monitoring Point	Quality Characteristics	Units of Measure	Monitoring
W1, W2, W3 and W4		pH units	Weekly in the event of a release
W1, W2, W3 and W4	Suspended solids		Weekly in the event of a release
W1, W2, W3 and W4	Temperature	Degrees celcius	6 Monthly
W1, W2, W3 and W4	Electrical Conductivit		6 monthly
W1, W2, W3 and W4	Dissolved		6 Monthly
W2, W3 and W4	Biological Oxygen Demand		6 Monthly
W2, W3 and W4	Chloride		6 monthl
W2, W3 and W4	Sodium		6 monthl
W2, W3 and W4	Nitrate		6 Monthl
W2, W3 and W4	Ammonia		6 monthl
W2, W3 and W4			6 monthl
W2, W3 and W4			6 Monthl

*N/A means not applicable

*NS means not specified

Leachate management

(1C3-1) **Leachate** and stormwater runoff which has been in contact with waste materials in the **landfill unit** must be collected in the **leachate** storage facility and be:

1. treated in the **leachate** treatment plant and discharged to sewer in accordance with the requirements of the relevant water utility; or
2. recirculated through waste disposed in the **landfill unit**; or
3. treated by alternative technologies agreed by the **administering authority** for offsite disposal, discharge, or on-site reuse; or
4. disposed of at a facility that is approved to receive such waste.

(1C3-2) The leachate management required in Condition (1C3-1) must be incorporated into the Site Based Management Plan required by Condition (1A12-1)

Leachate Collection

(1C4-1) A leachate collection system must be installed and maintained to effectively

- collect leachate generated in the landfill extension;
- (ii) provide connectivity between the existing landfill and the landfill extension;
- (iii) convey collected leachate to a designated collection or recovery point;
- (iv) provide an access point for leachate quality and quantity monitoring; and
- ensure leachate remains contained within the liner system, including during or following periods of high rainfall.

Groundwater

(1C5-1) A groundwater cut off system must be installed to ensure groundwater levels beneath the Landfill

Extension do not come into contact with any containment liner system, nor adversely affect the integrity or performance of any containment liner system for the Landfill Extension.

- (1C5-2) The groundwater cut off system required by Condition (1C5-1) must be:
- Designed by a suitably qualified, experienced and **independent person**.
 - Installed under the supervision of a suitably qualified, experienced and **independent person**.
 - Certified by that **independent person** as being installed as per the design.
 - Monitored and maintained as necessary to ensure compliance with conditions (1C5-1).
- (1C5-3) The groundwater cut off system must be designed, installed, certified and operational prior to the deposit of any waste in the Landfill Extension.
- (1C5-4) The groundwater cut off system must also provide leachate leak detection for the landfill extension, during both the life of the landfill and for a period up to 30 years post closure, or as otherwise defined in the post closure management plans required by Conditions (1A6-2) and (1A6-3).
- (1C5-5) The groundwater cut off system must be designed and constructed to provide an access point/s (Monitoring point W5) that;
- allows for monitoring and sample collection at a designated collection sump;
 - allows for the collections of samples that are representative of the entire groundwater cut off system; and
 - is not otherwise contaminated by other sources (namely the collection sump for the leachate collection system).
- (1C5-6) Liquid intercepted by the groundwater cut off system, which is released to Peter and Paul Gully, must be analysed for the characteristics and at the monitoring frequency prescribed in Schedule C Table 3.

Schedule 1C - Table 3 Monitoring requirements for Groundwater Cut Off System

Quality Characteristic	Frequency	
	Monitoring Location	During Land filling, when liquid is present at monitoring point required by (1C5- Pre-Land filling Baseline Monitoring
Water Level		Monthl
Temperature		Monthl
		Quarterl
Total Dissolved Salts TDS		Quarterl
Electrical Conductivit		Quarterl
Ammonia		Quarterl
Total Nitro en		Quarterl
Nitrate NO ₃		Quarterl
Ammonia (NH ₄		Quarterl
Biolo ical Ox		Quarterl
Heavy Metals (Al, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Sn, Sb, Se, Ti		Quarterly
		Quarterly prior to the commencement of land filling at the landfill extension.
Total Or anic Carbon TOC		Quarterl
		Quarterl
Anions (Cl ⁻ , CO ₃ HCO ₃ ⁻ , SO ₄ ⁻		Quarterl
Total Or anochlorines		Annuall
		Annuall
		Annuall
		Annuall
Alkalinit CaCO ₃		Annuall

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Chemical Oxygen Demand (COD)
Total Dissolved Salts

Annual
Annual

Groundwater Monitoring

- (1C6-1) A Groundwater monitoring network must be installed for each landfill unit. The network must be:
 installed and maintained by a person possessing appropriate qualifications and experience in the fields of hydrogeology and groundwater monitoring program design to be able to competently make recommendations about these matters; and
 include a sufficient number of "bore(s) of compliance", constructed in accordance with the "Minimum Construction Requirements for Water Bores in Australia" (Agricultural and Resource Management Council of Australia and New Zealand 1997), that are located not more than 150 metres from the landfill unit or the boundary of the landfill facility whichever is the closer, and provides the following:
 representative groundwater samples from the uppermost aquifer and from the lower (confined) aquifer; and
 background groundwater quality in hydraulically up-gradient or background bore(s) that have not been affected by any release of contaminants to groundwaters; and
 the quality of groundwater down gradient of any release of contaminants to groundwater including groundwater passing the relevant bore(s) of compliance
- (1C6-2) Conduct monitoring and keep records of groundwater quality. All determinations of groundwater quality must be:
 made in accordance with methods prescribed in the Water Quality Sampling Manual and, where appropriate, in accordance with standards ISO 5667-11 1993 or AS/NZ 5667.11: 1998 Water Quality – Sampling – Guidance on sampling at Groundwaters and ISO 5667-18 2001 Water Quality Sampling – Part 18 – Guidance on Sampling of Groundwater at Contaminated Sites:
 conducted for the water quality characteristics and at the frequency in Schedule 1C - Table 4.
 taken from sufficient monitoring points and/or wells to obtain representative samples of groundwater both up-gradient and down-gradient of the potential influence;
 carried out with sufficient regularity and spatial and temporal replication to make statistically valid conclusions about the presence or absence of a release;
 carried out with sufficient number of sampling events to determine ambient water quality and natural variability prior to any development of the site occurring;
 followed by an assessment of whether or not there has been any statistically significant adverse change compared to background values at locations hydraulically down gradient of the landfill unit for each quality characteristic in Schedule 1C - Table 4.

Schedule 1C – Table 4 Monitoring requirements for groundwater quality
Quality Characteristic

	During Land filling	Pre-Land filling Baseline
Water Level	Monthly Monthly Quarterly Quarterly	
Electrical Conductivity - EC	Quarterly	
Ammonia	Quarterly Quarterly Quarterly Quarterly	
Biological Ox	Quarterly Quarterly	Quarterly prior to the

Heavy Metals (Al, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Sn, Sb, Se, Ti, Zr)	Quarterly	commencement of land filling at the landfill extension.
Total Organic Carbon (TOC)	Quarterly	
C	Quarterly	
Anions (Cl ⁻ , CO ₃ ²⁻ , HCO ₃ ⁻ , SO ₄ ²⁻)	Quarterly	
Total Organic Chlorines	Annually	
Total Organic Hydrocarbons	Annually	
Organics (VOC, SVOC, TPH)	Annually	
Total Organic Halogen (TOX)	Annually	
Alkalinity (CaCO ₃)	Annually	
Chemical Oxygen Demand (COD)	Annually	
Total Dissolved Salts	Annually	

- (1C6-3) On any occasion that samples are obtained in accordance with condition (1C6-2) the Registered Operator must measure and record standing groundwater levels in metres accurate to 0.01 metres. The elevation of the reference point, relative to Australian Height Datum, for use in any groundwater level measurement must be determined to an accuracy of 0.01 metres.

Monitoring Review and Summary

- (1C7-1) All groundwater monitoring required by this Environmental authority must be reviewed on an annual basis by an independent person with suitable qualifications and experience to summarise and interpret the results regarding any impacts on the values of the receiving water environment.
- (1C7-2) The review and interpretation of water monitoring results required by Condition (1C7-1) must be provided as a report to the administering authority on an annual basis with each Annual Return.

Prohibition of Use of Certain Materials for Dust Suppression

- (1C8-1) The following materials must not be used for dust suppression purposes:
- used oil; and
 - landfill gas condensate; and
 - any other material that has been in contact with waste, such as leachate or stormwater runoff from any exposed waste.

Landfill Cell and Pond Construction

- (1C9-1) All ponds used for the storage or treatment of contaminants (including any sediment pond) at or on the authorised place must be constructed, installed and maintained:
- so as to minimise the likelihood of any release of effluent through the bed or banks of the pond to any waters (including ground water);
 - using suitable banks and / or diversion drains so as to exclude clean stormwater runoff from entering the pond or structure,
 - using suitable banks to exclude any rising waters from Peter and Paul Gully during a flood event, sufficient to exclude at least a Q100 flood event;
 - so that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies; and
 - so as to ensure the stability of the ponds' construction.
- (1C9-2) Soils and other materials used in the construction of any waste disposal cells or subcells, above ground embankments, sediment pond and final cover must achieve a hydraulic conductivity which is sufficiently low and be of sufficient thickness so as to prevent or minimise the release of contaminants. As a minimum, the permeability of various landfill features must at least comply with the corresponding limits specified in Schedule 1C – Table 5.
- (1C9-3) Following construction of any landfill unit, above ground embankment, leachate collection pond, or sediment pond, and prior to that structure being commissioned, the permeability of the base and walls of the structure must be tested to ensure it meets the standards required by the conditions of this environmental authority.

In each structure tested at least the following number of permeability tests must be made

at least two permeability tests in each wall of the subject structure; and

at least one permeability test in the base of the subject structure for every 10 000 m² of base area or part thereof.

- (1C9-4) To demonstrate compliance with Condition (1C9-2) and Schedule 1C Table 5, permeability testing must at least include laboratory testing, and subsequent field testing involving Nuclear Density Testing and Microwave Moisture Verification, and must be certified as meeting the prescribed permeability by a suitably qualified and experienced independent person.
- (1C9-5) The landfill extension must incorporate a liner system, capable of containing waste and leachate within the landfill development, and minimise the potential for leachate to be released from the approved premises as seepage.
- (1C9-6) Any landfill cell or sub-cell, above ground embankment, leachate collection pond, sediment pond and final cover must be constructed and operated in accordance with the requirements specified in Schedule 1C – Table 5.

Schedule 1C – Table 5
(Permeabilities and Special Requirements for Landfill Features)

Landfill Feature	Minimum Permeability	Minimum Thickness	Special Requirements
Liner sub base	1×10^{-7}	600mm	Preparation of low permeability clay base beneath the clay liner
Geosynthetic Clay Liner	Equivalent of 600mm of clay with a permeability of at least	Equivalent of 600mm of clay with a permeability of at least	
Confinin Base and walls of sediment pond	1×10^{-7}		Sediment pond is not to receive stormwater runoff that has been in contact with waste. Sediment pond is a sediment control device for runoff from disturbed areas
Daily landfill cover	Not specified		Non – dispersive soil. Cover must be applied following the last application of waste for the day. No waste protruding Alternatively, for the active face only, use of a temporary cover such as a 'landfill lid' or other proprietary product that assists to contain odours; minimise wind blown litter; and which assists to control vermin is an acceptable solution where the proprietary product completely covers the active face.
Final landfill cover comprising:			
Daily landfill cover	Not specified		
- Low permeability cap	1×10^{-8}		Final landfill cap should not exceed 20 percent slope No waste protruding
- Soil sub – base	Not specified	200 – 300	
- To soil	Not Specified	At least 150	

Stormwater Management Plan

- (1C10-1) As part of the SBMP required by condition (1A12-1) the Registered Operator must develop and implement a Stormwater Management Plan which addresses at least the following issues:
- diverting clean upstream stormwater away from contaminated areas; and
 - containing contaminated stormwater on site; and
 - minimising the size of contaminated areas; and
 - provision of sedimentation dams and rubbish traps; and
 - minimising the size of disturbed areas by staging works and progressively revegetating or mulching disturbed areas.
- Minimising the size of any active face, including measures to cover the active face when not in use (utilising either day cover or temporary and moveable proprietary products).

END OF CONDITIONS FOR SCHEDULE 1C

Schedule D - Noise

- (1D1-1) Noise from the approved activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.
- (1D1-3) Crushing, milling or grinding of concrete waste is not permitted at the site.
- (1D1-4) In the event of a complaint about noise that the administering authority does not consider to be frivolous or vexatious, and which cannot otherwise be resolved through negotiation, at the request of the Administering Authority the Registered Operator must conduct noise monitoring of emissions from the approved activity in the vicinity of the closest nuisance sensitive or commercial place.
- (1D1-5) In the event noise monitoring is required by the Administering Authority, noise from the approved activity must not exceed the levels specified in Schedule D - Table 1 at any nuisance sensitive or commercial place.

**Schedule D – Table 1
(Noise Levels)**

Time Period	Proponent Noise level at a 'Nuisance Sensitive Place' measured as the $L_{A,e}$ ad' 1hr
7am - 5pm	47 dB(A) or background noise level plus 3 dB(A), whichever is the higher
Time Period	Noise level at a 'Commercial place' measured as the L_A
7am - 5pm	55 dB(A) or background noise level plus 5 dB(A), whichever is the greater

- (1D1-6) No audible noise from the approved premises is authorised at a nuisance sensitive premises (including noise from the use of vehicles, plant and equipment) between the hours 5:00pm to 7:00am Monday to Friday, and 3:00pm to 10:00am Saturday and Sunday.

Noise Monitoring

- (1D2-1) In the event of a complaint to the administering authority that is not considered to be frivolous or vexatious, and at the request of the administering authority, noise monitoring must be undertaken to investigate a complaint of noise nuisance within 14 days, and the results of that monitoring provided to the administering authority once received from any external consultant with an interpretation of the results against the authorised noise levels prescribed by Condition (1D1-5). Monitoring must include:
- background noise level;
 - L_{Aeq} , adjT, L_{Amax} , adj, T, L_{A10} , adjT
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors such as traffic noise; and
 - location, date and time of recording.

- (1D2-2) The method of measurement and reporting of noise levels must comply with the Noise Measurement Manual.

Noise Management Plan

- (1D3-1) In the event noise emitted from the approved activity exceeds noise limits prescribed by Condition (1D1-5) the Registered Operator must develop a noise management plan to assist resolving the complaint. The noise management plan must address at least, but not be limited to, the following matters:
- identification of component noise sources and activities at the place(s) which impact on nuisance sensitive and commercial places;
 - (ii) the measured level of these noise sources and activities at nuisance sensitive and commercial places;
 - (iii) the control or abatement measures necessary to reduce noise nuisance at nuisance sensitive and commercial places;
 - (iv) the predicted reduction in noise at nuisance sensitive places by implementing these measures;
 - (v) time frame for completion of the work proposed;
 - (vi) any necessary community liaison and consultation; and
 - (vii) any training requirements for staff in noise reduction practices.
- (1D3-2) A draft Noise Management Plan must be submitted to the Administering Authority for review and comment within one month of a noise emission that exceeds limits prescribed by Condition (D1-5)
- (1D3-3) After the Administering Authority has commented on the draft Noise Management Plan, the Registered Operator must have due regard to any comments made by the administering authority, and must implement the plan as soon as practicable.
- (2D1-4) **Scrap metal collection** must only occur inside the Transfer Station structure.
- (2D1-5) Vehicle movements within the approved premises must be actively and passively managed to regulate speeds to 40km/hr or less along internal roads. Measures used to achieve compliance with this condition must not include speed bumps, and should otherwise provide for steady vehicle movements along access and exit roads.
- (2D1-6) The roof and walls of the Transfer Station (excluding lower concrete sections to 2.5m) must be constructed of, and / or lined with material that achieves a **Noise Reduction Coefficient** of at least 0.92, and an Rw rating of 39 (for the roof) and an Rw rating of 31 (for walls excluding lower concrete sections to 2.5m).
- (2D1-7) The roof and walls of the Transfer Station must be constructed to ensure open gaps are prevented, with the exception for necessary ventilation requirements, which must be acoustically designed (eg using acoustic louvres) to minimise noise emanating from the Transfer Station structure.
- (2D1-8) Acoustic barriers must;
- be installed around any waste truck loading area, as per Schedule 1H Figure 2;
 - be installed to a height of at least 5.0m extending from the designed roller doors at the North Western and North Eastern corner of the Transfer Station, as per Schedule 1H Figure 2;
 - be installed to a height of 2.4m at the Bonnick Road Boundary, as per Schedule 1H Figure 3;
 - be continuous with no air gaps and be constructed of material with a minimum mass density of at least 12kg/m² or achieve an Rw of at least 20
- (2D1-9) Prior to the commissioning of the Transfer Station, the facility must be physically assessed by a person with appropriate noise mitigation qualifications and experience, verifying by way of a written report, that measures required to comply with conditions (2D1-6) through (2D1-8) have been installed.
- (2D1-10) A copy of the written report required by Condition (2D1-9) of this Environmental authority must be provided to the Administering Authority prior to the commissioning of the Transfer Station.

END OF CONDITIONS FOR SCHEDULE 1D

Schedule 1E – Waste

Waste Acceptance

- (1E1-1) Within 24 months from the commencement date of this Environmental authority, disposal of putrescible waste to the existing landfill must cease.
- (1E1-2) Exposed waste (excluding recyclable waste that is temporarily stored in a defined area) must be limited to the working face of any landfill unit and the area of exposure must be minimised to the greatest extent practicable. For the purpose of this condition, no waste must be deposited beyond the boundaries of the landfill unit(s).
- (1E1-3) Only the following general and limited regulated waste materials are permitted to be accepted:
- domestic waste;
 - commercial waste;
 - domestic clean-up waste;
 - construction or demolition waste;
 - industrial waste;
 - garden wastes;
 - putrescible wastes;
 - solid inert wastes;
 - limited regulated waste may be disposed of in the general waste stream provided the quantity of limited regulated waste received at the facility in a year is not more than 10% of the total waste received at the facility in any calendar year.
- NOTES:**
- (a) wet cell batteries, waste oil and grease trap waste may be accepted and temporarily stored at the licensed place for recycling purposes.
- (b) drums containing any residual regulated waste are a regulated waste unless effectively cleaned in accordance with Operational Policy 'Determinations for management of regulated wastes'.
- (1E1-4) Any limited regulated waste disposed of at the landfill must only be in a solid form*
- (* excluding water treatment plant residues and screenings from Gympie Regional Council Sewage Treatment Plants.)
- (1E1-5) The quantity of limited regulated waste received at the facility in a year must not be more than 10% of the total waste quantity received at the facility in any calendar year.
- (1E1-6) Notwithstanding any condition of this approval, you shall not cause, permit or allow deposition of the following waste materials in the landfill unit:
- liquid or semi-liquid waste other than liquid or semi liquid waste which has been produced in the carrying out of the environmentally relevant activity;
 - hot ash:
 - material that is smouldering or aflame;
 - material containing a substance which is ignitable, corrosive, reactive or toxic (other than materials containing a toxic substance from domestic premises);
 - radioactive wastes;
 - explosives;
 - ammunition, other than ammunition that no longer contains explosives, pyrotechnics or propellants apart from trace residues that are no longer capable of supporting combustion or an explosive reaction;
 - contaminated soil;
 - treatment tank sludge or residues, other than sewage treatment plant screenings and grit;
 - biosolids;
 - grease trap wastes; and
 - green waste – other than green waste that is of a size that cannot otherwise be shredded or composted, or which enters the landfill through the domestic waste collection service.

(* Council must take all reasonable and practical measures to prevent tyres being disposed into the landfill)

- (1E1-7) Limited regulated wastes accepted must be interred in compliance with the special requirements specified in Schedule 1E – Table 1.

**Schedule 1E – Table 1
(Special Requirements for Waste Types)**

Infectious substances or quarantine waste	Rendered non-infectious
Fish processing waste	No liquid waste
Food processing waste	No liquid waste
Poultry processing waste	No liquid waste

- (1E1-8) All exposed waste must be covered each day following the last deposition of wastes in the landfill and comply with the requirements for day cover specified in Schedule 1C Table 5.
- (1E1-9) The following conditions must be complied with in the disposal of all forms of asbestos waste. The asbestos waste must be disposed of:
to a designated asbestos disposal pit(s) where no excavation takes place following the disposal of asbestos waste within that pit, and immediately covered with 200 mm of consolidated earth or equivalent cover material over the entire area of the pit; or
placed at the bottom of the current working face of the landfill unit (the disposal place) and immediately covered with at least 1 metre of waste;
the asbestos waste, the asbestos waste disposal pit or disposal place as the case may be, and all areas within 2 metres of the disposal pit/disposal place and asbestos waste (the 2 metre buffer area) must remain undisturbed following the waste disposal operation (including not placing the waste in a position where any gas extraction wells are likely to be necessary or drilling any gas extraction wells through the waste deposit);
plant and equipment must be available for any necessary preparation of the disposal pit/disposal place upon receipt of the asbestos waste and immediate covering of the asbestos waste and compacting of the area upon placement in the pit; and
the asbestos waste must be contained within the final landfill unit at a minimum distance of two (2) metres from the surface and flanks of the final landfill unit, excluding any final cover system required as a condition of this environmental authority (where final landfill unit means that deposition to the landfill unit has ceased).
- (1E1-10) The Registered Operator must take all reasonable and practicable measures to prevent the commingling of waste authorised to be interred within the landfill with waste not authorised to be interred at the landfill.

Special Burial

- (1E2-1) You must handle and dispose of as a special burial all waste which is likely to cause environmental harm when placed in an exposed position.

Waste Records

- (1E3-1) Keep and maintain records of source, volumes and composition of all waste types accepted at the premises and report these values to the administering authority at the end of each financial year.

Litter Management

- (1E4-1) Where litter is blown or washed from the premises to which this environmental authority relates, the Registered Operator must take all reasonable and practicable actions to:
- retrieve the litter and ensure that it is disposed of in an appropriate manner; and
 - (ii) implement measures to prevent a recurrence of litter being blown or washed from the premises.

Burning

(1E5-1) The Registered Operator must not:

burn waste at or on the place to which this environmental authority relates*; nor
allow waste to burn or be burnt at or on the place to which this environmental authority
relates nor
remove waste and burn such waste elsewhere.

(This condition does not apply to material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm. Additionally, this condition does not refer to activities carried out under the provisions of the Fire Services Act 1990.)*

Public Health Issues

(1E6-1) The Registered Operator must take all reasonable and practicable measures necessary to ensure that the carrying out of the environmentally relevant activity does not cause any adverse effect on public health or any nuisance in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors

Quantities of Waste Disposed

(1E7-1) The Registered Operator must record details of the quantity of wastes interred including the following:

quantity of infectious substances or quarantine waste that has been rendered non-infectious;
quantity of fish processing waste;
quantity of food processing waste;
quantity of poultry processing waste;
quantity of other regulated waste;
total quantity of waste.

*Notes: (1) where a load of general waste contains a number of regulated wastes an estimation of the percentage composition of each regulated waste must be made and recorded;
(2) with respect to this condition, records of all quantities of waste must be expressed as a weight, e.g., kilograms or tonnes.*

(1E7-2) The Registered Operator must not permit putrescible waste to be stored on site overnight or during times when the landfill is not open for the receipt of waste, without that waste being stored in a fully enclosed container or other device that prevents odour nuisance and which prevents contact with rainfall and stormwater runoff.

Note: Waste interred into the landfill in compliance with the conditions of this environmental authority is considered to have been disposed of and is not being stored.

(1E7-3) The final height of the landfill must not exceed RL 83.012m.

END OF CONDITIONS FOR SCHEDULE 1E

Schedule 1F - Land

Preventing Contaminant Release to Land

(1F1-1) Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

(1F1-2) All petroleum product storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

(1F1-3) The base and walls of all bunded areas must be maintained free from gaps and cracks.

END OF CONDITIONS FOR SCHEDULE 1F

Schedule 1G - Community

Complaint Response

(1G1-1) The Registered Operator must record the following details for all complaints received and provide this information to the administering authority on request:

- a) Time, date and contact details of the complainant;
- b) Reasons for the complaint;
- c) Any investigations undertaken;
- d) Conclusions formed; and
- e) Actions taken to resolve the complaint.

END OF CONDITIONS FOR SCHEDULE 1G

Schedule 1H – Maps / Plans

Figure 1 - Existing Landfill and Landfill Extension

Bonnick Road

Landfill Extension

Figure 2 – Acoustic Barriers – Transfer Station structure

Figure 2

Figure 2

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Figure 2

Figure 2

Figure 2

Figure 3 – Acoustic Barrier – Bonnick Road

Figure 3

Schedule H - Definitions

Words and phrases used throughout this licence or environmental authority are defined below:

Where a definition for a term used in this approval is sought and the term is not defined within this approval the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

administering authority" means the Environmental Protection Agency or its successor.

means the Registered Operator or owner / occupier of the land which is the subject of this Environmental authority.

site" means the place to which this environmental authority relates or the premises to which this environmental authority relates.

authorised place" means the place authorised under this environmental authority/environmental authority for the carrying out of the specified environmentally relevant activities.

(H5) **"this authority"** means this environmental authority.

approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*.

annual return" means the annual return for the licence issued under the *Environmental Protection Act 1994* for this development.

(H9) **"dwelling"** means any of the following structures or vehicles that is principally used as a residence –
a house, unit, motel, nursing home or other building or part of a building;
a caravan mobile home or other vehicle or structure on land;
a water craft in a marina.

"Disturbed Areas" means land disturbed but not yet fully rehabilitated at the site, and includes areas used for land filling (*excluding* areas of exposed waste or any active waste disposal face), access roads (sealed and unsealed) and storage or stockpile areas.

noxious means harmful or injurious to health or physical well being.

offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

nuisance sensitive place" includes –

dwelling such as houses, units, motels, resort accommodation, nursing homes, caravans and mobile homes (provided they are principally used as residences), and including the curtilage of any such places;
a surgery or other medical institution;
library, childcare centres, kindergartens, schools or other educational institutions;
a park or garden that is open to the public;
a protected area, or an area identified under a conservation plan as a critical habitat or area or major interest, under the Nature Conservation Act 1992;
a Marine Park under the Marine Parks Act 1992

"Noise Reduction Coefficient" (NRC) means means the *arithmetic average of the sound absorption coefficients* at frequencies 250, 500, 1000 and 2000 Hz.

" $L_{aeq,adj,T}$ " means an A-weighted sound pressure level of a continuous steady sound, adjusted for tonal character, that within a 1 hour period has the same mean square sound pressure of a sound that varies with time.

" $L_{A 10, adj, 10 mins}$ " means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

"L_A 1, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

"L_A, max adj, 10 mins means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

commercial place means a place used as an office or for business for commercial purposes.

"Scrap Metal Collection" means collection of scrap metal, using an excavator or other heavy machinery to load storage bins or trucks, for removal from the site.

intrusive noise means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –

is clearly audible to, or can be felt by, an individual; and
annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

"Independent Person" means a person or entity not directly employed by the Registered Operator or owner / occupier of the land which is the subject of this environmental authority. An Independent person may be a person providing consulting advice to the Registered Operator for fee or reward.

waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, or any part thereof.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

(H25) **"mg/L"** means milligrams per litre.

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

geotechnical stability of the landfill unit means a situation where instability related to the excessive settlement and subsidence caused by decomposition and consolidation of the wastes deposited in the landfill unit, and sliding instability of the unit slope has ceased.

(H28) **"background noise level"** means either:

LA90, T being the A-weighted sound pressure level exceeded for 90 percent of the time period not less than 15 minutes, using Fast response, or

Labg, T being the A-weighted sound pressure level obtained using Fast response and arithmetically averaging the lowest levels of the ambient sound pressure level during a representative time period of not less than 15 minutes.

"landfill facility" means all contiguous land and structures, other appurtenances, and improvements on the land used or associated with the disposal of waste.

"lower explosive limit" means the lowest percent by volume of a mixture of explosive gases in air that will propagate a flame at 25°C and atmospheric pressure.

special burial of waste means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hole, and immediately covers it with earth or other waste material.

uppermost aquifer means the geologic formation nearest to the natural ground surface that is an aquifer. The term includes any aquifers that are likely to be hydraulically interconnected with this aquifer within the landfill facility property boundary.

Environmental authorit

“Special Burial of waste” means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hold, and immediately covers that waste with earth or other waste material.

“statistically significant” means when a difference between groups of data is sufficient for a statistical test to reject the *null hypothesis*. For example, a requirement for a statistical test is that you have a minimum of two hypotheses, the null hypothesis and one or more alternative hypotheses. If you have data from two groups of bores (say A = background values and B = values at locations hydraulically down gradient of the landfill unit), and you wish to test whether A is different from B, *the null hypothesis* would be that A and B are from the same population (no significant difference). After performing the statistical test, you will either accept or reject the null hypothesis.

“liquid or semi-liquid waste” means a waste which failed the paint filter liquid test described in the document SW-846 ‘Test Methods for Evaluation of Solid Wastes Physical/Chemical Methods’ published by the United States Environmental Protection Agency; Revision 5; April 1998 or updated version thereof.

“ignitable, corrosive, reactive or toxic materials” are materials as defined in the Queensland Government Environmental Protection Agency ‘ERA 75: Guideline on landfill siting, design, operation and rehabilitation’: 2002.

“RL” means height in metres above mean sea level

“recycling landfill diversion rate” means a calculated figure using the following formula

total tonnes of potential recyclate

“Monitoring and Sampling Manual” means the following documents or more recent additions or supplements to that document as such become available:

Monitoring and Sampling Manual 2009 Environmental Protection (Water) Policy 2009
Version 2 September 2010

“Noise Measurement Manual” means the following document or more recent additions or supplements to that document as such become available:

Environmental Protection Agency. (2000). *Noise Measurement Manual Third Edition*, Environmental Protection Agency, Brisbane, Australia.

“Air Quality Sampling Manual” means the following document or more recent additions or supplements to that document as such become available:

Department of Environment. (1997). *Air Quality Sampling Manual*, Department of Environment, Brisbane Australia.

END OF DEFINITIONS FOR SCHEDULE – H

"**L_A 1, adj, 10 mins**" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

"**L_A, max adj, 10 mins**" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

(H19) "**commercial place**" means a place used as an office or for business for commercial purposes.

(H20) "**Scrap Metal Collection**" means collection of scrap metal, using an excavator or other heavy machinery to load storage bins or trucks, for removal from the site.

(H21) "**intrusive noise**" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –

is clearly audible to, or can be felt by, an individual; and
annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

(H22) "**Independent Person**" means a person or entity not directly employed by the Registered Operator or owner / occupier of the land which is the subject of this environmental authority. An Independent person may be a person providing consulting advice to the Registered Operator for fee or reward.

(H23) "**waters**" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, or any part thereof.

"**land**" in the "land schedule" of this document means land excluding waters and the atmosphere.

(H25) "**mg/L**" means milligrams per litre.

(H26) "**leachate**" means a liquid that has passed through or emerged from, or is likely to have passed through or emerged from, a material stored, processed or disposed of at the licensed place which contains soluble, suspended or miscible contaminants likely to have been derived from the said material.

(H27) "**geotechnical stability of the landfill unit**" means a situation where instability related to the excessive settlement and subsidence caused by decomposition and consolidation of the wastes deposited in the landfill unit, and sliding instability of the unit slope has ceased.

(H28) "**background noise level**" means either:

LA90, T being the A-weighted sound pressure level exceeded for 90 percent of the time period not less than 15 minutes, using Fast response, or

Labg, T being the A-weighted sound pressure level obtained using Fast response and arithmetically averaging the lowest levels of the ambient sound pressure level during a representative time period of not less than 15 minutes.

(H29) "**landfill facility**" means all contiguous land and structures, other appurtenances, and improvements on the land used or associated with the disposal of waste.

(H30) "**lower explosive limit**" means the lowest percent by volume of a mixture of explosive gases in air that will propagate a flame at 25°C and atmospheric pressure.

(H31) "**special burial of waste**" means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hole, and immediately covers it with earth or other waste material.

(H32) "**uppermost aquifer**" means the geologic formation nearest to the natural ground surface that is an aquifer. The term includes any aquifers that are likely to be hydraulically interconnected with this aquifer within the landfill facility property boundary.

“Special Burial of waste” means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hold, and immediately covers that waste with earth or other waste material.

“statistically significant” means when a difference between groups of data is sufficient for a statistical test to reject the *null hypothesis*. For example, a requirement for a statistical test is that you have a minimum of two hypotheses, the null hypothesis and one or more alternative hypotheses. If you have data from two groups of bores (say A = background values and B = values at locations hydraulically down gradient of the landfill unit), and you wish to test whether A is different from B, *the null hypothesis* would be that A and B are from the same population (no significant difference). After performing the statistical test, you will either accept or reject the null hypothesis.

“liquid or semi-liquid waste” means a waste which failed the paint filter liquid test described in the document SW-846 ‘Test Methods for Evaluation of Solid Wastes Physical/Chemical Methods’ published by the United States Environmental Protection Agency; Revision 5; April 1998 or updated version thereof.

“ignitable, corrosive, reactive or toxic materials” are materials as defined in the Queensland Government Environmental Protection Agency ‘ERA 75: Guideline on landfill siting, design, operation and rehabilitation’: 2002.

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Department of Environment. (1997). *Air Quality Sampling Manual*, Department of Environment, Brisbane Australia.

END OF DEFINITIONS FOR SCHEDULE – H

PART 5

Environmentally relevant activity(ies)

Location(s)

60-(2a) Waste disposal >50t but <2,000t yr

Lot 141 on Plan MCH4318 – Balkin Street, GUNALDA
QLD 4570

SCHEDULE A - ACTIVITY

Prevent and /or minimise likelihood of environmental harm

In carrying out the environmentally relevant activity, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this approval.

NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

The registered operator must:

- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
- maintain such measures, plant and equipment in a proper and efficient condition; and
- operate such measures, plant and equipment in a proper and efficient manner.

Records

Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Site Based Management Plan (SBMP)

Prior to the commencement of any environmentally relevant activity ('the activity') under this environmental authority, the registered operator must:

- develop a Site Based Management Plan (SBMP) which provides for the effective management by the registered operator of the actual and potential environmental impacts resulting from the carrying out of the activity; and
- implement and maintain the SBMP from the commencement of carrying out the activity.

The SBMP must provide for at least the following functions:

- Training staff in the awareness of environmental issues related to carrying out the activity, which must include at least:

- The environmental policy of the registered operator, so that all persons that carry out the activity are aware of all relevant commitments to environmental management;

- Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these;

- Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused;

- Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation);

Environmental authority

Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively;
 Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 Their obligations in respect of monitoring, notification and record keeping obligations under the SBMP and relevant environmental authorities and/or development approvals; and

Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 Conducting assessment of the environmental impact of any release of contaminants into the environment;

Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than five yearly;

- e) Waste prevention, treatment and disposal; and
- f) A program for continuous improvement.

The registered operator must not implement or amend a SBMP (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activity

END OF CONDITIONS FOR SCHEDULE A**SCHEDULE B - AIR****Nuisance**

The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place

Dust nuisance

The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place.

Exceedence of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition (B2-1).

Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991: OR

A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the site, when monitored in accordance with:

Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method': or

any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority

When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:

for a complaint alleging dust nuisance, dust deposition; and

for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time

END OF CONDITIONS FOR SCHEDULE B

SCHEDULE C - WATER

Release to waters

Contaminants must not be released from the site to any waters or the bed and banks of any waters.

Stormwater management

There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.

Erosion protection measures and sediment controls

Prevent the release of sediment to waters or a build up of sediment in any stormwater drain.

Pond conditions

All ponds used for the storage or treatment of contaminants or wastes at or on the authorised place must be constructed, installed and maintained:

- so as to minimise the likelihood of any release of effluent through the bed or banks of the pond to any waters (including ground water);
- so that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies; and
- so as to ensure the stability of the ponds' construction.

END OF CONDITIONS FOR SCHEDULE C

SCHEDULE D - NOISE AND VIBRATION

Noise nuisance

Noise from activities must not cause an environmental nuisance at any noise sensitive place or any commercial place.

In the event of a complaint about noise environmental nuisance that the Administering Authority considers is not frivolous or vexatious then a noise management plan is to be developed within one (1) month of the registered operator being advised in writing of the complaint. The noise management plan must address at least, but not be limited to, the following matters:

- identification of component noise sources and activities at the place(s) which impact on noise sensitive areas;
- the measured and/or predicted level of these noise sources and activities at noise sensitive places;
- the reasonable and practicable control or abatement measures that can be undertaken to reduce identified intrusive noise sources;
- the level of noise at noise sensitive places that would be achieved from implementing these measures.
- e the handling of future noise complaints;
- f) community liaison and consultation; and
- g training of staff in noise management practices.

Upon the completion of the noise management plan it must be submitted to the Administering Authority within 14 days for its review and comment.

After the Administering Authority has provided comment on the noise management plan, the registered operator must implement the plan as soon as practicable.

END OF CONDITIONS FOR SCHEDULE D

Environmental authority

SCHEDULE E - WASTE**Waste handling**

All regulated waste removed from the site must be removed by a person who holds a current approval to transport such waste under the provisions of the *Environmental Protection Act 1994*.

Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.

The registered operator must not:

- allow waste to burn or be burned at or on the site; nor
- remove waste from the site and burn such waste elsewhere.

(This condition does not apply to the material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm and this condition does not refer to activities carried out under the provisions of the Fire Services Act 1990.)

Off Site Movement

Where regulated waste is removed from the site (other than by a release as permitted under another schedule of this environmental authority), the registered operator must monitor and keep records of the following:

- the date, quantity and type of waste removed;
- name of the waste transporter and/or disposal operator that removed the waste; and
- the intended treatment/disposal destination of the waste.

Waste Acceptance and Operating Criteria

This environmental authority permits only the following wastes to be disposed of at the site

- (domestic waste;
- (commercial waste;
- (domestic clean-up waste;
- (construction or demolition waste;
- (e industrial waste;
- (f) garden wastes;
- (g) putrescible wastes;
- (h) solid inert wastes;
- (i) limited regulated waste may be disposed of in the general waste stream provided the quantity of limited regulated waste received at the facility in a year is not more than 10% of the total waste received at the facility in any calendar year.

NOTES:

wet cell batteries and waste oil may be accepted and temporarily stored, in accordance with conditions (E4-1), (E4-2) and (E5-1), at the site for recycling purposes.

drums containing any residual regulated waste are a regulated waste unless effectively cleaned in accordance with Operational Policy 'Determinations for management of regulated wastes'.

definitions of domestic, commercial, domestic clean-up, construction or demolition, industrial, garden, and regulated wastes are in Schedule H.

Limited regulated waste disposed of at the landfill must only be in a solid form.

Where limited regulated waste is to be interred in a waste disposal cell that is not lined with an impermeable liner material the limited regulated waste must comply with the waste acceptance criteria in schedule E – Table 1.

Schedule E - Table 1.
Waste Acceptance Criteria - Unlined Waste Disposal Cells

Contaminant	Maximum contaminant level in solid waste	Maximum contaminant eaching level
Antimon		
Arsenic		
Barium		
Cadmium		
Chromium		
Cobalt		
Cr		
Le		
Mercur		
Mol bdenum		
Nickel		
Selenium		
Silver		
Thallium		
Ti		
Vanadium		
Zi		
Bromide		
Chloride		
C anide total		
Fluoride		
Si		
Nitrate		
Total or anic carbon		10000
Benzene		
Eth I Benzene		
Toluene		
X		
Total Monoc clic aromatic h drocarbons		
Anthracene		
Benz a anthracene		0.005
Benz c henanthrene		0.005
Benzo a rene		0.002
Bi		0.005
Benzo k fluoranthene		0.005
Chr sene		
Dibenz a,h) anthracene		0.002
D		
Dimeth lbenz (a) anthracene		0.005
Fluoranthene		
Indeno 1,2,3-cd) p rene		
Napthalene		
Phenanthrene		
P		
Total pol c clic aromatic h drocarbons PAH)		

Phenol
m-cresol
o-cresol
-cresol
Total non-halogenated

Carbon tetrachloride
1,2 Dichloroethane
1,1 Dichloroethene 0.003
Tetrachloroethene
Trichloroethene

Chlorobenzene
Hexachlorobenzene 0.002
Total chlorinated aromatic compounds

Aldrin
Chlordane 0.006
Chl

Dieldrin
DD 0.003
Endrin

Heptachlor 0.003
Lindane

Methoxychlor
Toxaphene 0.005
Total

2,4-D
2,4-DB
MCPA
2,4,5 0.002
Total herbicides

Carbaril
Carbofuran
Total

Diazinon
Parathion
Methyl Parathion 0.006
Total

Atrazine
Simazine
Total

Total 10000
Total al 10000

Total Petroleum Hydrocarbons

Note: The contaminant levels in Table 3 are drawn from the limits applicable to unlined and lined landfills provided in Appendix C, Tables 1 & 2 of the Liquid Industrial Waste Policy And Management Plans - Brisbane City Council 1994. Where a waste contains substances other than those listed, then disposal will be at the discretion of the relevant landfill registered operator subject to the general duty not to cause environmental harm and to an approval under Part 8 of the Environmental Protection Act 1994.

The following conditions must be complied with in the disposal of all forms of asbestos waste:

- (a) the asbestos waste must be disposed of:
- to a designated asbestos disposal pit(s) where no excavation takes place following the disposal of asbestos waste within that pit, and immediately covered with 200 mm of consolidated earth or equivalent cover material over the entire area of the pit; or
 - placed at the bottom of the current working face of the landfill unit (the disposal place) and immediately covered with at least 1 metre of waste;
- the asbestos waste, the asbestos waste disposal pit or disposal place as the case may be, and all areas within 2 metres of the disposal pit/disposal place and asbestos waste (the 2 metre buffer area) must remain undisturbed following the waste disposal operation (including not placing the waste in a position where any gas extraction wells are likely to be necessary or drilling any gas extraction wells through the waste deposit);
- plant and equipment must be available for any necessary preparation of the disposal pit/disposal place upon receipt of the asbestos waste and immediate covering of the asbestos waste and compacting of the area upon placement in the pit; and
- the asbestos waste must be contained within the final landfill unit at a minimum distance of two (2) metres from the surface and flanks of the final landfill unit, excluding any final cover system required as a condition of this environmental authority (where final landfill unit means that deposition to the landfill unit has ceased).

Waste Batteries

Used wet cell batteries must only be stored at the waste disposal facility for a period of up to one (1) month and must be stacked in an upright position and stored in an area designated for this purpose.

Where storage of waste batteries is to occur for periods of longer than one (1) month they must be stored in a covered enclosure which has been bunded to contain spillage's and leakages.

Waste Oil

Waste oil must be temporarily stored in receptacle(s) at the waste disposal facility, and the receptacle(s) must :

- a be stored in an area which is bunded to contain spillages and leakages;
- b have closures in place to prevent rainwater entry and spillage (if knocked over); and
- c have a filling mechanism which prevents rainwater entry.

Bunding

Where it is impractical to completely roof a bunded area, the registered operator must ensure that all spilled materials in bunded areas are cleaned-up as soon as practicable.

Used tyres temporarily stored at the waste disposal facility must be stockpiled:

- (a) in a designated area;
- with no more than 500 passenger tyre equivalents in whole or equivalent parts at any one time.

Tyres stored awaiting disposal or transport for take-back and, recycling, or waste-to-energy options must be stockpiled in volumes less than 3m in height and 200 sq.m in area and at least 10m from any other tyre storage area.

All reasonable and practicable fire prevention measures must be implemented, including removal of grass and other materials within a 10m radius of the scrap tyre storage area.

Prohibited wastes

The following wastes must not be accepted onto the site:

liquescant waste streams or any waste capable of yielding free liquids (does not include leachate or condensate arising from gas collection within the site);

- untreated infectious and chemical wastes and liquid pharmaceuticals from related waste stream;
 cytotoxic wastes;
 untreated sharps;
 (e) S8 pharmaceuticals;
 f) all radioactive wastes, unless otherwise approved under the *Radioactive Substances Act 1958*;
 pyrophoric wastes (where co-disposed with other potentially combustible material); and
 explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction.

No wastes must be interred at the waste disposal facility which exhibit any of the hazard characteristics listed in Schedule E - Table 2.

Schedule E - Table 2.

Hazard Characteristic	Description Of The Hazard Characteristic
Ignitability	Regulated wastes that are capable of causing a fire when ignited through friction, absorption of moisture, or spontaneous chemical changes under standard temperature and pressure
Corrosivity	Regulated wastes which on dissolution

Notwithstanding conditions (E8-1) and (E3-1) of this environmental authority, minor amounts of regulated waste not specifically permitted to be accepted may be deposited at the site provided

the regulated waste is incidental to and commingled with the general waste stream; and
 the quantity and concentration of the regulated waste (both individually and in aggregate) is insignificant; and
 it is impracticable to segregate the regulated waste from other waste which is permitted to be deposited; and
 the deposition of the regulated waste is not likely to cause any risk of fire, explosion, public health danger, nuisance, or environmental harm; and
 all practicable steps are taken to inform persons using the facility that such wastes are not be used in the waste stream to be deposited at the waste disposal facility.

If the registered operator becomes aware that a person has removed regulated waste from the site and disposed of the regulated waste in a manner which is not authorised by the environmental authority or improper or unlawful, then the registered operator must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

In the event that the registered operator becomes aware of prohibited waste being commingled in any waste stream the registered operator must:

- cease the depositing of such waste;
- remove the prohibited waste and store in a proper and efficient manner;
- notify the person who sent the prohibited waste to the premises to which this approval relates of the detection of prohibited waste in the waste received;
- as soon as practicable arrange for a person who can lawfully transport such waste to collect such waste;
- arrange for the person transporting the prohibited waste to transport such waste to a facility that can lawfully accept such waste; and
- produce the following records:
 - (i) type of prohibited waste;
 - (i) quantity of prohibited waste;
 - (i) date of disposal;

name and address of the person(s) transporting the prohibited waste to the facility;

d

name and address of the person(s) who generated the prohibited waste (if such person(s) can be reasonably identified).

For the purpose of this condition, "prohibited waste" means a waste that is not permitted to be accepted at that landfill facility by a condition of this environmental authority.

Exposed waste (excluding recyclable waste that is temporarily stored in a defined area) must be limited to the working face of any landfill unit and the area of exposure must be minimised to the greatest extent practicable. For the purpose of this condition, no waste must be deposited beyond the boundaries of the landfill unit(s).

Earthen material necessary for coverage of deposited waste must be stored and be readily available at the premises to which this environmental authority relates in a quantity sufficient for not less than two weeks operation of the landfill facility.

Deposited waste must be covered:

with earthen material to a thickness of at least 0.2 metres; or

with other alternative material of sufficient thickness and nature to ensure that there is no exposure of waste; but to a thickness of at least 0.2 metres.

For the purpose of this condition, the use of any alternative material must initiate a trial for a period of up to 3 months, such that potential environmental harm (eg. odour, vermin breeding) is assessed and reported to the administering authority upon completion.

An all-weather internal road must be provided and maintained to the working face of the landfill facility at all times.

Clinical Waste Management

The waste disposal facilities within Tiaro Shire (a scheduled area) may only accept a limited amount of clinical waste (up to five tonnes per year) from sources that are within Tiaro Shire.

Clinical waste must be disposed of under supervised burial conditions, meaning that:

a local government representative should supervise the immediate burial of the waste; clinical waste should be deposited at the lowest edge of the landfill working face or excavation;

the waste should be covered immediately with at least one metre of solid general waste or clean fill;

any compaction must only be on the cover material – not on the clinical waste directly; the clinical waste disposal area should be at least two metres from the proposed or design edge of the landfill;

f) the location of the deposited waste should be marked on the landfill site map;

g) clinical waste should be at least two metres below the final surface of the landfill;

h) the name and address of the generating premise(s), and the amount and type of waste deposited should be recorded; and

a copy of this information should be given to the person depositing waste for their records.

Construction of Disposal Areas

(E10-1) Ensure that any active waste disposal area is constructed to allow plant and machinery access so that wastes can be effectively consolidated, compacted and covered.

(E10-2) Where an active disposal area or any part thereof is installed above ground the embankments must be maintained to ensure the stability and integrity of construction.

Soil Permeability

(E11-1) Soils or other materials used in the construction of any waste disposal cells, above ground embankments, storage ponds and final cover must achieve an insitu hydraulic conductivity which is sufficiently impervious so as to prevent or minimise the release of leachate from the waste disposal area to waters including groundwater.

Active Waste Disposal Area Management

- (E12-1) Ensure that all wastes accepted for disposal at the site are not disposed of:
- a beyond any active waste disposal area; and
 - b into waters or leachate; and
 - c beyond the catchment of any leachate collection drains if installed as part of a leachate collection system.
- (E12-2) The registered operator must ensure that exposed wastes are confined to the operating face of the active waste disposal area and that the operating face is maintained at a minimum practicable size at all times.

Leachate Management

- (E13-1) Ensure that all reasonable and practical measures are taken to ensure the disposal area is operated and managed so as to minimise the generation of leachate.

Minimising Releases of Leachate to Groundwater

- (E14-1) The registered operator must take all reasonable and practicable measures to prevent and/or minimise the release of leachate to groundwater and likelihood of such release. Such releases must be minimised to that extent that environmental harm is not caused or likely to be caused

Leachate Disposal

- (E15-1) Leachate generated on the site must only be disposed of so that there is no direct or indirect release of contaminants to any groundwater, stormwater drain, roadside gutter or surface watercourse.
- (E15-2) Ensure that any leachate or contaminated stormwater generated on the site is collected and:
- conveyed to a leachate storage dam or pond; and/or
 - disposed of in accordance with condition (E15-3).
- (E15-3) Leachate or contaminated stormwater which is intercepted and collected on the site may be disposed of:
- a by evaporation; or
 - b by recirculation back into the areas of the site where waste disposal is taking place; or
 - c by spray irrigation over exposed wastes; or
 - (d) by disposal to sewer.

Leachate Storage Ponds or Dams

- (E16-1) Ensure that any pond or dam installed at the site which is used for the collection and storage of leachate or contaminated stormwater must be:
- constructed of low permeability soils or other material so as to prevent any direct or indirect release of contaminants through the base or embankments; and
 - maintained to ensure the stability and integrity of construction.
- constructed and managed so that a freeboard capable of preventing overspill is maintained to store excess volume when annual rainfall of a 1 in 10 year recurrence period occurs.

Public Health, Nuisance and Litter Issues

- (E17-1) The registered operator must take all reasonable and practicable measures necessary to ensure that the carrying out of the environmentally relevant activities do not cause any adverse effect on public health or any nuisance, particularly in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors.
- (E17-2) In the event of any adverse effect upon public health and / or any nuisance arising from the conduct of the environmentally relevant activities, the registered operator must take all reasonable and practicable measures necessary to:
- (a) abate such adverse effects and such nuisance; and
 - prevent the likelihood of any recurrence of the circumstances that gave rise to such adverse effects and / or such nuisance.

- (E17-3) The registered operator must use all practicable means to exclude from refuse disposal areas access of birds, cattle, dogs and other pest species to that extent necessary to ensure that such birds, dogs and other pest species do not cause any:
- (a) danger or risk to the health of any persons; or environmental harm.
- (E17-4) Where litter is blown or washed from the premises to which this environmental authority relates, the registered operator must take all reasonable and practicable actions:
- (a) to retrieve the litter and ensure that it is disposed of in an appropriate manner; and to implement measures to prevent a recurrence of litter being blown or washed from the premises.
- (E17-5) The registered operator shall ensure that the movement of litter within the site does not cause environmental harm or nuisance through the use of practical and effective litter control measures and management practices, such measures may include but are not limited to:
- minimisation of areas of uncovered wastes;
 - (b) frequent applications of cover material to deposited wastes;
 - (c) the use of relocatable litter screens around the area of the waste deposition;
 - (d) the use of fixed litter control fencing around the perimeter or other places; and the implementation of regular litter collection programs that include cleaning of site perimeter fencing.

Landfill Unit(s) Interim Closure Management

- (E18-1) The registered operator must implement interim closure management for landfill unit(s) that are not accepting waste.
- For the purpose of this condition, interim closure management must include at least the following:
- (a) the installation of an interim cover system that is designed with effective drainage systems to minimise erosion and to minimise water ponding; and a stabilisation program including practicable measures for revegetation and or mulching.

Landfill Facility Post-closure Management

- (E19-1) The registered operator must develop and provide to the administering authority a draft landfill post-closure management program for review and comment at least twelve (12) months before the expected final receipt of waste in any landfill unit.
- (E19-2) The landfill post closure management program must include details of at least the following:
- (a) the total waste volumes or tonnage of the landfill unit being closed; and form relief plan including the extent of the landfill footprint; the design of a final cover system including thickness and permeability of cover layers and any lateral drainage layers; the erosion prevention system that is designed with effective drainage systems to minimise erosion and to minimise water ponding;
 - (e) the revegetation and stabilisation program for the landfill to minimise final cover erosion and final cover species root penetration through to the waste pile; the procedures for maintaining and operating any stormwater management system;
 - (g) the procedures for maintaining and operating any leachate collection system;
 - (h) any proposed nuisance or wildlife control procedures; the proposed land use at the premises to which this environmental authority relates during and after the rehabilitation program; and the expected date the registered operator intends to begin rehabilitation activities and the expected time-lines to implement the program.

For the purpose of this condition, the landfill post-closure management program must be effective in preventing and / or minimising the likelihood of environmental harm being caused or allowed. The program must include measures and schedule timeframes to:

- monitor the structural integrity and effectiveness of the final cover system, particularly for erosion and subsidence of the cover system; and
- monitor any leachate, surface water, receiving water and groundwater monitoring system at a frequency sufficient to detect any release of contaminants to water resources.

- (E19-3) For the purposes of preventing and / or minimising the likelihood of environmental harm being caused as a result of deposition of waste, the registered operator must, following cessation of deposition of waste in the landfill facility, conduct post-closure management measures for:
- a period of 30 years; or
 - such shorter period until it is demonstrated to the administering authority in a competent manner using factually correct information that the landfill unit(s) within the landfill facility and surrounding site are geotechnically stable and that no release of waste materials, leachate, uncontrolled landfill gas or other contaminants to the environment is likely.

Vehicle Access

- (E20-1) The registered operator shall ensure that all weather access roads must be provided to the site and to the designated waste disposal area. Vehicle traffic must be closely controlled within the site by suitable barriers to ensure that waste is deposited only in designated areas.

Signage

- (E21-1) The registered operator must ensure that signs are erected at the entrances to the site and in a prominent position on the site, and be maintained in good repair to provide at least, the following:
- details of wastes which can be accepted at the site and wastes which are prohibited;
 - advice that when the site is closed, that unauthorised dumping of waste is prohibited;
 - advice prohibiting the lighting of unauthorised fires on the site;
 - the location of the tipping face; and
 - the location of any wastes segregated and recycling areas.

Fire Prevention

- (E22-1) An effective fire break must be provided and maintained.

Scavenging

- (E23-1) Scavenging of materials from the waste disposal area is prohibited except where a written agreement exists between the licensee and an approved scavenging contractor. Food, clothing, bedding, toiletries and other personal effects are not permitted to be scavenged from the site

END OF CONDITIONS FOR SCHEDULE E

SCHEDULE F - LAND

Preventing contaminant release to land

Contaminants must not be released to land.

Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

The base and walls of all bunded areas must be maintained free from gaps or cracks.

END OF CONDITIONS FOR SCHEDULE F

SCHEDULE G - COMMUNITY

Complaint response

All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.

END OF CONDITIONS FOR SCHEDULE G

SCHEDULE H - DEFINITIONS

Words and phrases used throughout this licence or environmental authority are defined below:
Where a definition for a term used in this approval is sought and the term is not defined within this approval the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

administering authority" means the Environmental Protection Agency or its successor.

approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*.

authorised place" means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.

clinical waste" means waste that has the potential to cause disease including, for example, the following:

- animal waste;
- discarded sharps;
- human tissue waste;
- laboratory waste.

commercial place" means a place used as an office or for business or commercial purposes.

commercial waste" means waste (other than garden waste, recyclable waste, interceptor waste or waste discharged to a sewer) resulting from the use or occupation of any premises, or part thereof, being—
a hotel, motel, caravan park, cafe, food store, canteen or like premises; or
an assembly building, institutional building, school, kindergarten or child minding centre; or
(c) premises where any spectator sport or any game is played; or
(d) an exhibition ground, showground, racecourse, or like premises; or
an office, shop or other premises whatsoever, where there is carried on any business or work, other than a manufacturing process.

construction or demolition waste" means waste resulting from carrying out a construction or demolition activity, but does not include paper, cardboard, unseasoned timber, vegetation, paper-covered plasterboard, metals (other than steel reinforcing rods) and regulated waste.

"domestic clean-up waste" means non-putrescible, dry and inoffensive waste (other than garden waste or recyclable waste) resulting from a general clean-up of any premises or any part thereof, being—

- (a) a single unit private dwelling; or
-) premises containing 2 or more flats, apartments or other dwelling units, each used as a separate domicile; or
- (c) a boarding house, hostel, lodging house or guest house.

"domestic waste" means waste (other than domestic clean-up waste, garden waste, recyclable waste, interceptor waste or waste discharged to a sewer) resulting from the ordinary domestic use or occupation of any premises or any part thereof, being—

- (a) a single unit private dwelling; or
- premises containing 2 or more flats, apartments or other dwelling units, each used as a separate domicile; or
- (c) a boarding house, hostel, lodging house, or guest house.

"dust sensitive place" means -

CTPI 49-S

Environmental authorit

a dwelling, mobile home or caravan park, residential marina or other residential place;
 a motel, hotel or hostel;
 a kindergarten, school, university or other educational institution;
 a medical centre or hospital;
 a protected area;
 a park or gardens; or
 a place used as an office or for business or commercial purposes

and includes the curtilage of any such place

"dwelling" means any of the following structures or vehicles that is principally used as a residence-

a house, unit, motel, nursing home or other building or part of a building;
 a caravan mobile home or other vehicle or structure on land;

a water craft in a marina.

"garden waste" means grass cuttings, trees, bushes, shrubs, loppings of trees, bushes and shrubs, and material of a like nature resulting from the ordinary use or occupation of any premises or any part thereof

"industrial waste" means interceptor waste and waste other than—
 waste discharged to a sewer or to a treatment process which may be prescribed under the Standard Sewerage Law, section 35;
 domestic waste, domestic clean-up waste, commercial waste, garden waste, recyclable biodegradable waste or recyclable waste.

"infectious waste" means "clinical waste"

"intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

is clearly audible to, or can be felt by, an individual; and
 annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere

"limited regulated waste" means any of the following regulated wastes, asbestos, clinical waste or quarantine waste that has been rendered non-infectious, fish processing waste, food processing waste, poultry processing waste, tyres or treatment tank sludge or residue.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"noise sensitive place" means -

a dwelling, mobile home or caravan park, residential marina or other residential premises; or
 a motel, hotel or hostel; or
 a kindergarten, school, university or other educational institution; or
 a medical centre or hospital; or
 a protected area; or
 a park or gardens.
 and includes the curtilage of such place.

"noxious" means harmful or injurious to health or physical well being.

"nuisance sensitive place" includes -

a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
 a motel, hotel or hostel; or

Environmental authorit

a kindergarten, school, university or other educational institution; or
 a medical centre or hospital; or
 a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
 a public thoroughfare, park or gardens; or
 a place used as a workplace, an office or for business or commercial purposes
 and includes a place within the curtilage of such a place reasonably used by persons at that place

odour sensitive place" has the same meaning as a "dust sensitive place"

offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

registered operator" means the holder of a registration certificate for the activity to which this Environmental authority relates, issued under Section 73F of the *Environmental Protection Act 1994* and in force.

regulated waste" means non-domestic waste mentioned in Schedule 7 of the Environmental Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes

for an element - any chemical compound containing the element; and
 anything that has contained the waste.

site" means land or tidal waters on or in which it is proposed to carry out the development approved under this environmental authority.

waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

means the registered operator of this environmental authority or owner / occupier of the land which is the subject of this environmental authority.

END OF DEFINITIONS FOR SCHEDULE H

END OF CONDITIONS

From: Miljenko Pavlinic [Miljenko.Pavlinic@gympie.qld.gov.au]
Sent: Thursday, 13 November 2014 10:41 AM
To: PALM
Subject: AR065805 Amendment application

Categories: Margie

Thanks Margaret

Are you sure its 60-2 (a). Our threshold is 20,000-50,000 tonnes per year under and that is 60-2(e) and it says so on our environmental authority
the second on our environmental authority is ERA 62 Waste Transfer Station Operation.

Or may be legislation got amended since permit was issued?

Kind regards

Miljenko Pavlinic
Waste Services Manager/ Infrastructure Services Directorate
Gympie Regional Council
2 John Street, (PO Box 155)
Gympie 4570
Phone 07 54810899, Mobile CTPI 49-Sch4-1
Miljenko.Pavlinic@gympie.qld.gov.au

>>> PALM <palm@ehp.qld.gov.au> 13/11/2014 10:09 AM >>>

Hi Miljenko

I have been following up since our telephone discussion and unfortunately the cheque has been processed by our financial team.
I have organised, however, for a refund of the balance to be forwarded to you.

You paid \$4330.35 and the amendment fee is \$285.60 therefore the refund cheque will be in the amount of \$4044.75.

I have scanned and attached page 8 of the application. Can you please correct this page and return to me so I can progress the application.

The waste disposal ERA numbers on EPPR00816213 are 60-2(a) and 60-2(c) so just put these numbers in that space.

Regards

Margaret Jones
Senior Administration Officer
Customer Service Team
Regulatory Capability and Customer Service Branch
Department of Environment and Heritage Protection
400 George Street, Brisbane Q 4000
GPO Box 2454, Brisbane Q 4001
Telephone 1300 130 372 **Facsimile** 07 3330 5875
Email: palm@ehp.qld.gov.au
www.ehp.qld.gov.au
ehp-email-signature



From: PALM
Sent: Wednesday, 12 November 2014 2:49 PM
To: 'miljenko.pavlinic@gympie.qld.gov.au'
Subject: Amendment application

Good afternoon Miljenko

The department has received the amendment application for EPPR00816213 accompanied by a cheque for \$4330.35.
I have tried to contact you by telephone but as you were unavailable I am forwarding this email.

As you have indicated on the application that it is a minor amendment the fee for this application is only \$285.60. I am not sure what the amount of \$4330.35 covers?

Also you have indicated at question 4 that you want to add ERA 60 2 (e) to the EA. This ERA has an AES of 53 which incurs a higher fee than any ERA on the existing EA. This would also require a development approval.

Can you advise if you have lodged a development application (DA) or if it is not required we would need you to provide advice stating that a DA is not required.

Many thanks,

Margaret Jones

Senior Administration Officer

Customer Service Team

Regulatory Capability and Customer Service Branch

Department of Environment and Heritage Protection

400 George Street, Brisbane Q 4000

GPO Box 2454, Brisbane Q 4001

Telephone 1300 130 372 Facsimile 07 3330 5875

Email: palm@ehp.qld.gov.au

www.ehp.qld.gov.au

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From: Miljenko Pavlinic [Miljenko.Pavlinic@gympie.qld.gov.au]
Sent: Tuesday, 18 November 2014 9:03 AM
To: PALM
Subject: AR065805 3rd email
Attachments: DOC181114-18112014084843.pdf

Categories: Margie

Hi Margaret

I scanned the first page. Please let me know if you need the whole document. If I scan it all it will be blocked because of the size but I can do it in several emails.

Kind regards

Miljenko Pavlinic
Waste Services Manager/ Infrastructure Services Directorate
Gympie Regional Council
2 John Street, (PO Box 155)
Gympie 4570
Phone 07 54810899, Mobile CTPI 49-Sch4
Miljenko.Pavlinic@gympie.qld.gov.au

>>> "GRC Infrastructure Services - " <toshiba4520c@gympie.qld.gov.au> 18/11/2014 8:48 AM >>>

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Sustainable Planning Act 2009**EHP Permit ¹ number:**

Assessment manager reference (if any):	2010-1765
Date initial application received:	21 December 2010
Date Representation to EHP as a referral agency received	26 March 2012
Permit type:	Amended Concurrence Agency Response
Date of decision:	29 May 2012
Decision:	For a concurrence agency response ERA 60 - Land filling operations – Approved subject to conditions. ERA 62 – Transfer Station – Approved subject to conditions Conditions must attach to any development approval
Relevant laws and policies:	<i>Environmental Protection Act 1994</i> and any related statutory instruments and subordinate legislation
Jurisdiction(s):	<i>Sustainable Planning Regulation 2009</i> – Schedule 7, table 2, item 1

Development Description(s)

Property/Location		Development
Bonnick Road, Gympie	Lot 542, MCH801883	ERA 60 – Waste Disposal, 2(e) – Operating a facility for disposing of, in a year, more than 20,000t to 50,000t
Bonnick Road, Gympie	Lot 542, MCH801883	ERA 62 – Waste Transfer Station Operation

Reason(s) for inclusion of conditions

In accordance with section 289 of the *Sustainable Planning Act 2009*, the reason(s) for inclusion of conditions stated in this permit required by the concurrence agency response for the application are as follows.

The conditions are included pursuant to section 73B of the Environmental Protection Act 1994.

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Department of Environment and Heritage Protection.

From: PALM [PALM@des.qld.gov.au]
Sent: Friday, 21 November 2014 4:08 PM
To: Industry and Development Assessment
Subject: FW: AR065805 Gympie Regional Council

Hi Guys

Please disregard this application we have just identified that the customer will need to apply to convert the existing DA conditions to the EA before this amendment application can be validated.

A new bring up will be sent through once this has been completed.

Thanks

Liz Patu

Administration Officer
Customer Service Team
Regulatory Capability and Customer Service Branch

Department of Environment and Heritage Protection
400 George Street, Brisbane Q 4000
GPO Box 2454, Brisbane Q 4001
Telephone: 1300 130 372 (select option 4) **Facsimile:** (07) 3330 5875
Email: palm@ehp.qld.gov.au
www.ehp.qld.gov.au



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From: PALM
Sent: Friday, 21 November 2014 2:54 PM
To: Industry and Development Assessment
Subject: AR065805 Gympie Regional Council

Hard copy will be forwarded to the Business Assessment Centre

An application has been received by the Customer Service Team (PaLM) and requires your assessment.

Type: EA amendment application for Prescribed
AR: AR065805
Project: 337551
Client: Gympie Regional Council
Permit: EPPR00816213
Appl ID: 568376

Please note this application has been entered into Ecotrack as **MINOR**

All application documents have been attached to Ecotrack/eDocs and can be searched by the AR number.

If you have any questions regarding this application please contact Shari Sievers or send an email to palm@ehp.qld.gov.au

Regards

Liz Patu

Administration Officer
Customer Service Team
Regulatory Capability and Customer Service Branch

Department of Environment and Heritage Protection
400 George Street, Brisbane Q 4000
GPO Box 2454, Brisbane Q 4001
Telephone: 1300 130 372 (select option 4) **Facsimile:** (07) 3330 5875
Email: palm@ehp.qld.gov.au
www.ehp.qld.gov.au



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From: Miljenko Pavlinic [Miljenko.Pavlinic@gympie.qld.gov.au]
Sent: Tuesday, 25 November 2014 3:39 PM
To: PALM
Subject: AR066310 DA to EA conversion
Attachments: application-convert-da-into-ea-em1100 GRNov25.pdf; DOC251114-25112014152359.pdf

Categories: Red Category

Hi Shari

Please find attached the Application to convert da into ea for Gympie Regional Council. I also attached the scanned last page of the application with my signature.

Kind regards

Miljenko Pavlinic
Waste Services Manager/ Infrastructure Services Directorate
Gympie Regional Council
2 John Street, (PO Box 155)
Gympie 4570
Phone 07 54810899, Mobile CTPI 49-Sch4-N
Miljenko.Pavlinic@gympie.qld.gov.au

>>> PALM <palm@ehp.qld.gov.au> 25/11/2014 3:03 PM >>>

<https://www.business.qld.gov.au/business/running/environment/licences-permits/forms-fees-environmental-authority>

Shari Sievers
Senior Administration Officer
Customer Service Team
Regulatory Capability and Customer Service Branch
Department of Environment and Heritage Protection
400 George Street, Brisbane Q 4000
GPO Box 2454, Brisbane Q 4001
Telephone No: 1300 130 372 (select option 4) **Facsimile:** (07) 3330 5875
Palm@ehp.qld.gov.au
www.ehp.qld.gov.au
ehp-email-signature



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should be reproduced or distributed without the written consent of the copyright owner. Any personal information in this e-mail must be handled in accordance with the Privacy Act 1988(Commonwealth).

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This message has been scanned for malware by Websense. www.websense.com

Application form

Environmental Protection Act 1994

Convert existing conditions of a development approval/permit into an environmental authority

This form is to be used when applying to convert particular existing conditions of a development permit or development approval into an environmental authority under section 678A of the Environmental Protection Act 1994 (EP Act) for an environmentally relevant activity (ERA).

All applicants must be a registered suitable operator to carry out an ERA. If you are not already registered as a suitable operator, fill in the application form in Attachment 2 and submit it with this application.

Checklist for making this application

You must complete this checklist before you continue with the application form.

If none of the checklist questions apply to your activity, you are not eligible to make this application. You can only complete this application if you have ticked 'yes' to one of the checklist questions below.

Checklist questions	
Do any of the following apply to your activity? <i>Tick the appropriate check boxes.</i>	
Development permits	
Prior to 31 March 2013, did you hold a development permit for a chapter 4 activity but no registration certificate, under the EP Act?	☒ YES ☐ NO ☐ N/A
Do you have a development permit for a chapter 4 activity (under the EP Act) that came into effect on or after 31 March 2013?	☐ YES ☒ NO ☐ N/A
Urban Development Area (UDA) approvals	
Prior to 31 March 2013, did all three of the below criteria apply? 1. A UDA development approval for a chapter 4 activity was in effect. 2. The UDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under section 58(a) of the <i>Urban Land Development Authority Act 2007</i> . 3. There was no registration certificate issued for the activity under the EP Act.	☐ YES ☒ NO ☐ N/A

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Priority Development Area (PDA) approvals	
<p>For activities relating to a PDA, do all three of the below criteria apply?</p> <ol style="list-style-type: none">1. A PDA development approval for a chapter 4 activity, applied for prior to 31 March 2013, has come into effect?2. The PDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under the section 88(a) of the <i>Economic Development Act 2012</i>.3. There was no registration certificate issued for the activity under the EP Act.	<p>☐ YES ☒ NO ☐ N/A</p>

Application form

Convert existing conditions of a development approval/permit into an environmental authority

GUIDE

Take particular care in filling out the applicant details as these are legally required for the issuing of any environmental authority. Applicant details, including the name and the address should reflect the details of the person or registered legal entity.

If more space is required for any responses, please attach additional information as a separate page.

A sole applicant is an applicant where there is only 1 person or business applying to obtain an environmental authority.

A principal applicant is the individual or business nominated to act on behalf of joint applicants for the environmental authority application only.

It is particularly important to enter the correct Australian business number (ABN); Australian company number (ACN) of the incorporated company; association number (AN) of the incorporated association; or the title and section of the legislation that gives the statutory corporation its legal status.

If there is an agent acting on behalf of the sole or principal applicant provide details in this section. An agent could be a consultant or a contact for the environmental authority holder.

As statutory documents need to be sent to all applicants, this section can also be used when there are multiple environmental authority holders to nominate an address for statutory documentation to be sent 'care of' to.

Application details

1. Applicant details

SOLE OR PRINCIPAL APPLICANT DETAILS	
INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT) GYMPIE REGIONAL COUNCIL	
ABN/ACN/AN (IF RELEVANT)	
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS) 242 MARY STREET GYMPIE QLD4570	
POSTAL ADDRESS (IF DIFFERENT FROM ABOVE) PO BOX 155 GYMPIE QLD 4570	
CONTACT PERSON Miljenko Pavlinic	
PHONE 1300307800	FACSIMILE
EMAIL MILJENKO.PAVLINIC@GYMPIE.QLD.GOV.AU ☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	
SUITABLE OPERATOR REGISTRATION NUMBER (IF ALREADY A REGISTERED SUITABLE OPERATOR)	

When there is more than 1 applicant complete Attachment 1—Appointment of principal applicant by all joint applicants.

Agent for principal applicant/address for service

The address supplied here will also be used as a service address for sending statutory documents. If this section is left blank, statutory documents will be sent to the sole or principal applicant.

INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT)
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS)

Application form

Convert existing conditions of a development approval/permit into an environmental authority

POSTAL ADDRESS (IF DIFFERENT FROM ABOVE)	
CONTACT PERSON	
PHONE	FACSIMILE
EMAIL	
☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	

2. What is the permit reference number of the development approval or development permit you are applying to convert?

PERMIT REFERENCE NUMBER SPCE01417310

All applicants, including joint applicants must be registered suitable operators to be issued an environmental authority.

Once a person or corporation has been registered as a suitable operator for carrying out an ERA, no further suitable operator applications need to be made as long as the applicant for the environmental authority matches the name (including ABN/ACN etc, if applicable) recorded on the suitable operator register.

If you have previously been approved as a registered suitable operator, you can find the suitable operator registration number on the decision notice advising you of your approved application, or by going to www.gld.gov.au and entering 'suitable operator register' as a search term.

3. Are all applicants (including principal and joint applicants) registered as suitable operators?

- ☒ **Yes →** All applicants are registered suitable operators and the respective suitable operator registration numbers have been provided (either in question 1 or attachment 1).
- ☐ **No →**
- ☐ All/some applicants have previously lodged their applications to become registered suitable operators and are waiting for a decision.
 - ☐ All/some applicants have not previously lodged applications to become registered suitable operators. These applicants must each complete the suitable operator application form in attachment 2 and submit it with this application. Attachment 2 must be completed in full, otherwise this application may be rejected as incomplete.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

4. Location where the ERA will be carried out

For an ERA that will be carried out at a fixed location, complete the table below.

STREET NUMBER	STREET NAME BONNICK ROAD	SUBURB/TOWN GYMPIE
POSTCODE 4570	LOT/PLAN(S) LOT 542 ON PLAN MCH801883	
PORT		

For a mobile and temporary prescribed ERA, provide details of the area of operation in the table below.

AREA OF OPERATION E.G. PARTICULAR LOCAL GOVERNMENTS OR ACROSS THE STATE OF QUEENSLAND

5. ERA details

LIST ALL THE ERAS FORMING PART OF THIS APPLICATION		
ERA NUMBER	NAME OF ERA	THRESHOLD

Are the ERAs forming part of this application to be carried out as a single, integrated operation with an existing environmental authority?

☒ Yes → Quote the existing environmental authority number below

EXISTING ENVIRONMENTAL AUTHORITY NUMBER
EPPR00816213

☐ No

If the ERAs forming part of this application are to be carried out as part of a single integrated operation with an existing environmental authority, you may apply to add the ERAs to the existing EA.

ERAs are carried out as a single integrated operation if:

- the activities are carried out under the day-to-day management of a single responsible individual, for example a site or operations manager; and
- the activities are operationally interrelated; and
- the activities are or will be carried out at 1 or more places; and
- the places where the activities are carried out are separated by distances short enough to make feasible the integrated day-to-day management of the activities.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME

Miljenko Pavlinic

SIGNATURE

POSITION OF SIGNATORY

WASTE SERVICES MANAGER

DATE

25/11/2014

Application form

Convert existing conditions of a development approval/permit into an environmental authority

JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)
JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)

Applicant checklist

- ☒ Application form has been signed and completed.
- ☐ Attachment 1: Appointment of principal applicant by all joint applicants has been signed and completed (if applicable).
- ☐ Attachment 2: Application to be registered as a suitable operator signed and completed (if applicable).
- ☐ Question 4: Additional details have been attached with a description of land where ERA will be carried out (if applicable).
- ☐ Question 5: Additional supporting information details for the prescribed ERA have been attached (if applicable).

Further information

The latest version of this publication and other publications referenced in this document can be found at www.qld.gov.au using the relevant publication number (EM1100 for this document) as a search term.

Please submit your completed application kit to:

For ERA 2, ERA 3 or ERA 4

Post:

Senior Environmental Scientist
Animal Industries
Department of Agriculture, Fisheries
and Forestry
PO Box 102
TOOWOOMBA QLD 4350

Enquiries:

Phone: (07) 4688 1374
Fax: (07) 4688 1192
Email: livestockregulator@daff.qld.gov.au

For all other ERAs

Post:

Permit and Licence Management
Department of Environment and
Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:

Permit and Licence Management
Department of Environment and
Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Business hours: 8:30am–4:30pm
business days

Enquiries:

Permit and Licence Management
Website: www.business.qld.gov.au
Email: palm@ehp.qld.gov.au
Phone: 13 QGOV (13 74 68)

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Attachment 1

Appointment of principal applicant by all joint applicants

We, being joint applicants for this environmental authority, hereby nominate the following as principal applicant:

Printed name of principal applicant

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an environmental authority

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Attachment 2

Application form—application to be a registered suitable operator

Published on DES Disclosure Log
RTI Act 2009

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Published on DES Disclosure Log
RTI Act 2009

Application form

Environmental Protection Act 1994

Application to be a registered suitable operator

This approved form is to be used to apply to become a suitable operator under section 318F of the Environmental Protection Act 1994 for the carrying out of an environmentally relevant activity (ERA).

1. Applicant details

Name - Individual or contact person if applicant is a business	Position if a business
Company / Business Name (include trading name if relevant)	ABN/ACN (if relevant)
Residential or registered business address (not a post office box)	Phone
Postal address (if different from above)	Facsimile
Email	☐ Cross if you do not want to receive correspondence via email

2. Applicant suitability

Questions	No	Yes ¹
Have you, or a business partner ² ever:		
<ul style="list-style-type: none"> been convicted of an environmental offence under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> had an environmental authority, instrument, licence or permit, however called, cancelled or suspended by the administering authority (whether in Queensland or elsewhere)? 	☐	☐ attach details

¹ If yes is ticked, you must indicate if the event occurred to you individually or to a company or business in which you currently hold, or have held a position of management or control. You must also provide complete details (including the state/territory/country in which the event occurred, the relevant legislation, location of offence or incident, date of offence or incident, amount of fine, facts and circumstances surrounding the offence or incident, details of relevant persons involved including name and positions, name of court, court reference number etc) in an attachment. You may also attach any submission you want the chief executive to consider in assessing this information, which will be used in deciding whether you are a suitable operator. - A 'relevant person' is either the applicant or any person with whom the applicant is a partner or, if a corporation, any of the corporation's executive officers.

² If a corporation is applying you must answer for the corporation, any of the corporation's executive officers and any other corporations of which the executive officers are, or have been, an executive officer.

Application form

Application to be a registered suitable operator

Questions	No	Yes ¹
<ul style="list-style-type: none"> had a suitable operator registration or similar registration, however called, refused, cancelled or suspended under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> received any of the following under the <i>Environmental Protection Act 1994</i>: 		
a penalty infringement notice	☐	☐ attach details
an environmental protection order	☐	☐ attach details
an enforcement order	☐	☐ attach details
a notice requiring a transitional environmental program	☐	☐ attach details
a notice to conduct or commission an environmental audit	☐	☐ attach details
a notice to conduct or commission an environmental investigation	☐	☐ attach details
a direction notice	☐	☐ attach details
a clean up notice	☐	☐ attach details
a cost recovery notice	☐	☐ attach details
a restraint order	☐	☐ attach details
another compliance action which is not stated above	☐	☐ attach details

Applicant certification

It is an offence to provide information that you know is false, misleading or incomplete.

I declare that the information provided is true and correct. I have attached details for any question where I have answered "yes".

Signature	Date
-----------	------

Submit your completed application via email to: palm@ehp.qld.gov.au or:

Post:
 Permit and Licence Management
 Department of Environment and Heritage
 Protection
 GPO Box 2454
 BRISBANE QLD 4001

Courier or hand delivery:
 Permit and Licence Management
 Department of Environment and Heritage
 Protection
 Level 3, 400 George Street
 BRISBANE QLD 4000
 Hours: 8.30am–4.30pm business days

Further Information:
www.business.qld.gov.au
 Email: palm@ehp.qld.gov.au
 Phone: 13 QGOV (13 7468)

Privacy statement

The Department of Environment and Heritage Protection (the department) is committed to protecting the privacy, accuracy and security of your personal information in accordance with the *Information Privacy Act 2009*. The department is collecting your personal information to determine your suitability as a registered operator under section 318F of the *Environmental Protection Act 1994*. Some of this information may be given to the Department of Natural Resources and Mines for the purpose of the joint regulation of mining activities. If you answered yes to any question, the chief executive may give your information to an administering authority of another state under a corresponding law or the commissioner of the police service for the purpose of obtaining a suitability report.

If your application is approved your name, address and ABN/ACN will be disclosed on the Register of Suitable Operators which will be publicly available on the department's website. This disclosure is authorised by section 318(1)(b) of the *Environmental Protection Act 1994*. All other information will not be given to any other person or agency unless you have given us permission or we are authorised or required by law. All information supplied on this form may be disclosed publicly in accordance with the *Right to Information Act 2009* and *Evidence Act 1977*. For queries about privacy matters email: privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME Miljenko Pavlinic	
SIGNATURE CTPI 49-Sch4-Signature	
POSITION OF SIGNATORY WASTE SERVICES MANAGER	DATE 25/11/2014

From: Miljenko Pavlinic [Miljenko.Pavlinic@gympie.qld.gov.au]
Sent: Tuesday, 25 November 2014 3:39 PM
To: PALM
Subject: AR066310 DA to EA conversion
Attachments: application-convert-da-into-ea-em1100 GRNov25.pdf; DOC251114-25112014152359.pdf

Categories: Red Category

Hi Shari

Please find attached the Application to convert da into ea for Gympie Regional Council. I also attached the scanned last page of the application with my signature.

Kind regards

Miljenko Pavlinic
Waste Services Manager/ Infrastructure Services Directorate
Gympie Regional Council
2 John Street, (PO Box 155)
Gympie 4570
Phone 07 54810899, Mobile CTPI 49-Sch4
Miljenko.Pavlinic@gympie.qld.gov.au

>>> PALM <palm@ehp.qld.gov.au> 25/11/2014 3:03 PM >>>

<https://www.business.qld.gov.au/business/running/environment/licences-permits/forms-fees-environmental-authority>

Shari Sievers
Senior Administration Officer
Customer Service Team
Regulatory Capability and Customer Service Branch
Department of Environment and Heritage Protection
400 George Street, Brisbane Q 4000
GPO Box 2454, Brisbane Q 4001
Telephone No: 1300 130 372 (select option 4) **Facsimile:** (07) 3330 5875
Palm@ehp.qld.gov.au
www.ehp.qld.gov.au
ehp-email-signature



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Application form

Environmental Protection Act 1994

Convert existing conditions of a development approval/permit into an environmental authority

This form is to be used when applying to convert particular existing conditions of a development permit or development approval into an environmental authority under section 678A of the Environmental Protection Act 1994 (EP Act) for an environmentally relevant activity (ERA).

All applicants must be a registered suitable operator to carry out an ERA. If you are not already registered as a suitable operator, fill in the application form in Attachment 2 and submit it with this application.

Checklist for making this application

You must complete this checklist before you continue with the application form.

If none of the checklist questions apply to your activity, you are not eligible to make this application. You can only complete this application if you have ticked 'yes' to one of the checklist questions below.

Checklist questions	
Do any of the following apply to your activity? <i>Tick the appropriate check boxes.</i>	
Development permits	
Prior to 31 March 2013, did you hold a development permit for a chapter 4 activity but no registration certificate, under the EP Act?	☒ YES ☐ NO ☐ N/A
Do you have a development permit for a chapter 4 activity (under the EP Act) that came into effect on or after 31 March 2013?	☐ YES ☒ NO ☐ N/A
Urban Development Area (UDA) approvals	
Prior to 31 March 2013, did all three of the below criteria apply? 1. A UDA development approval for a chapter 4 activity was in effect. 2. The UDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under section 58(a) of the <i>Urban Land Development Authority Act 2007</i> . 3. There was no registration certificate issued for the activity under the EP Act.	☐ YES ☒ NO ☐ N/A

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Priority Development Area (PDA) approvals	
<p>For activities relating to a PDA, do all three of the below criteria apply?</p> <ol style="list-style-type: none">1. A PDA development approval for a chapter 4 activity, applied for prior to 31 March 2013, has come into effect?2. The PDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under the section 88(a) of the <i>Economic Development Act 2012</i>.3. There was no registration certificate issued for the activity under the EP Act.	<p>☐ YES ☒ NO ☐ N/A</p>

Application form

Convert existing conditions of a development approval/permit into an environmental authority

GUIDE

Take particular care in filling out the applicant details as these are legally required for the issuing of any environmental authority. Applicant details, including the name and the address should reflect the details of the person or registered legal entity.

If more space is required for any responses, please attach additional information as a separate page.

A sole applicant is an applicant where there is only 1 person or business applying to obtain an environmental authority.

A principal applicant is the individual or business nominated to act on behalf of joint applicants for the environmental authority application only.

It is particularly important to enter the correct Australian business number (ABN); Australian company number (ACN) of the incorporated company; association number (AN) of the incorporated association; or the title and section of the legislation that gives the statutory corporation its legal status.

If there is an agent acting on behalf of the sole or principal applicant provide details in this section. An agent could be a consultant or a contact for the environmental authority holder.

As statutory documents need to be sent to all applicants, this section can also be used when there are multiple environmental authority holders to nominate an address for statutory documentation to be sent 'care of' to.

Application details

1. Applicant details

SOLE OR PRINCIPAL APPLICANT DETAILS	
INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT) GYMPIE REGIONAL COUNCIL	
ABN/ACN/AN (IF RELEVANT)	
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS) 242 MARY STREET GYMPIE QLD4570	
POSTAL ADDRESS (IF DIFFERENT FROM ABOVE) PO BOX 155 GYMPIE QLD 4570	
CONTACT PERSON Miljenko Pavlinic	
PHONE 1300307800	FACSIMILE
EMAIL MILJENKO.PAVLINIC@GYMPIE.QLD.GOV.AU ☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	
SUITABLE OPERATOR REGISTRATION NUMBER (IF ALREADY A REGISTERED SUITABLE OPERATOR)	

When there is more than 1 applicant complete Attachment 1—Appointment of principal applicant by all joint applicants.

Agent for principal applicant/address for service

The address supplied here will also be used as a service address for sending statutory documents. If this section is left blank, statutory documents will be sent to the sole or principal applicant.

INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT)
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS)

Application form

Convert existing conditions of a development approval/permit into an environmental authority

POSTAL ADDRESS (IF DIFFERENT FROM ABOVE)	
CONTACT PERSON	
PHONE	FACSIMILE
EMAIL	
☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	

2. What is the permit reference number of the development approval or development permit you are applying to convert?

PERMIT REFERENCE NUMBER SPCE01417310

All applicants, including joint applicants must be registered suitable operators to be issued an environmental authority.

Once a person or corporation has been registered as a suitable operator for carrying out an ERA, no further suitable operator applications need to be made as long as the applicant for the environmental authority matches the name (including ABN/ACN etc, if applicable) recorded on the suitable operator register.

If you have previously been approved as a registered suitable operator, you can find the suitable operator registration number on the decision notice advising you of your approved application, or by going to www.gld.gov.au and entering 'suitable operator register' as a search term.

3. Are all applicants (including principal and joint applicants) registered as suitable operators?

- ☒ **Yes →** All applicants are registered suitable operators and the respective suitable operator registration numbers have been provided (either in question 1 or attachment 1).
- ☐ **No →**
- ☐ All/some applicants have previously lodged their applications to become registered suitable operators and are waiting for a decision.
 - ☐ All/some applicants have not previously lodged applications to become registered suitable operators. These applicants must each complete the suitable operator application form in attachment 2 and submit it with this application. Attachment 2 must be completed in full, otherwise this application may be rejected as incomplete.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

4. Location where the ERA will be carried out

For an ERA that will be carried out at a fixed location, complete the table below.

STREET NUMBER	STREET NAME BONNICK ROAD	SUBURB/TOWN GYMPIE
POSTCODE 4570	LOT/PLAN(S) LOT 542 ON PLAN MCH801883	
PORT		

For a mobile and temporary prescribed ERA, provide details of the area of operation in the table below.

AREA OF OPERATION E.G. PARTICULAR LOCAL GOVERNMENTS OR ACROSS THE STATE OF QUEENSLAND

5. ERA details

LIST ALL THE ERAS FORMING PART OF THIS APPLICATION		
ERA NUMBER	NAME OF ERA	THRESHOLD

Are the ERAs forming part of this application to be carried out as a single, integrated operation with an existing environmental authority?

☒ Yes → Quote the existing environmental authority number below

EXISTING ENVIRONMENTAL AUTHORITY NUMBER EPPR00816213

☐ No

If the ERAs forming part of this application are to be carried out as part of a single integrated operation with an existing environmental authority, you may apply to add the ERAs to the existing EA.

ERAs are carried out as a single integrated operation if:

- the activities are carried out under the day-to-day management of a single responsible individual, for example a site or operations manager; and
- the activities are operationally interrelated; and
- the activities are or will be carried out at 1 or more places; and
- the places where the activities are carried out are separated by distances short enough to make feasible the integrated day-to-day management of the activities.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME

Miljenko Pavlinic

SIGNATURE

POSITION OF SIGNATORY

WASTE SERVICES MANAGER

DATE

25/11/2014

Application form

Convert existing conditions of a development approval/permit into an environmental authority

JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)
JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)

Applicant checklist

- ☒ Application form has been signed and completed.
- ☐ Attachment 1: Appointment of principal applicant by all joint applicants has been signed and completed (if applicable).
- ☐ Attachment 2: Application to be registered as a suitable operator signed and completed (if applicable).
- ☐ Question 4: Additional details have been attached with a description of land where ERA will be carried out (if applicable).
- ☐ Question 5: Additional supporting information details for the prescribed ERA have been attached (if applicable).

Further information

The latest version of this publication and other publications referenced in this document can be found at www.qld.gov.au using the relevant publication number (EM1100 for this document) as a search term.

Please submit your completed application kit to:

For ERA 2, ERA 3 or ERA 4

Post:

Senior Environmental Scientist
Animal Industries
Department of Agriculture, Fisheries
and Forestry
PO Box 102
TOOWOOMBA QLD 4350

Enquiries:

Phone: (07) 4688 1374
Fax: (07) 4688 1192
Email: livestockregulator@daff.qld.gov.au

For all other ERAs

Post:

Permit and Licence Management
Department of Environment and
Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:

Permit and Licence Management
Department of Environment and
Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Business hours: 8:30am–4:30pm
business days

Enquiries:

Permit and Licence Management
Website: www.business.qld.gov.au
Email: palm@ehp.qld.gov.au
Phone: 13 QGOV (13 74 68)

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Attachment 1

Appointment of principal applicant by all joint applicants

We, being joint applicants for this environmental authority, hereby nominate the following as principal applicant:

Printed name of principal applicant

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an environmental authority

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Attachment 2

Application form—application to be a registered suitable operator

Published on DES Disclosure Log
RTI Act 2009

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Application form

Environmental Protection Act 1994

Application to be a registered suitable operator

This approved form is to be used to apply to become a suitable operator under section 318F of the Environmental Protection Act 1994 for the carrying out of an environmentally relevant activity (ERA).

1. Applicant details

Name - Individual or contact person if applicant is a business	Position if a business
Company / Business Name (include trading name if relevant)	ABN/ACN (if relevant)
Residential or registered business address (not a post office box)	Phone
Postal address (if different from above)	Facsimile
Email	☐ Cross if you do not want to receive correspondence via email

2. Applicant suitability

Questions	No	Yes ¹
Have you, or a business partner ² ever:		
<ul style="list-style-type: none"> been convicted of an environmental offence under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> had an environmental authority, instrument, licence or permit, however called, cancelled or suspended by the administering authority (whether in Queensland or elsewhere)? 	☐	☐ attach details

¹ If yes is ticked, you must indicate if the event occurred to you individually or to a company or business in which you currently hold, or have held a position of management or control. You must also provide complete details (including the state/territory/country in which the event occurred, the relevant legislation, location of offence or incident, date of offence or incident, amount of fine, facts and circumstances surrounding the offence or incident, details of relevant persons involved including name and positions, name of court, court reference number etc) in an attachment. You may also attach any submission you want the chief executive to consider in assessing this information, which will be used in deciding whether you are a suitable operator. - A 'relevant person' is either the applicant or any person with whom the applicant is a partner or, if a corporation, any of the corporation's executive officers.

² If a corporation is applying you must answer for the corporation, any of the corporation's executive officers and any other corporations of which the executive officers are, or have been, an executive officer.

Application form

Application to be a registered suitable operator

Questions	No	Yes ¹
<ul style="list-style-type: none"> had a suitable operator registration or similar registration, however called, refused, cancelled or suspended under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> received any of the following under the <i>Environmental Protection Act 1994</i>: 		
a penalty infringement notice	☐	☐ attach details
an environmental protection order	☐	☐ attach details
an enforcement order	☐	☐ attach details
a notice requiring a transitional environmental program	☐	☐ attach details
a notice to conduct or commission an environmental audit	☐	☐ attach details
a notice to conduct or commission an environmental investigation	☐	☐ attach details
a direction notice	☐	☐ attach details
a clean up notice	☐	☐ attach details
a cost recovery notice	☐	☐ attach details
a restraint order	☐	☐ attach details
another compliance action which is not stated above	☐	☐ attach details

Applicant certification

It is an offence to provide information that you know is false, misleading or incomplete.

I declare that the information provided is true and correct. I have attached details for any question where I have answered "yes".

Signature	Date
-----------	------

Submit your completed application via email to: palm@ehp.qld.gov.au or:

Post:

Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:

Permit and Licence Management
Department of Environment and Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Hours: 8.30am–4.30pm business days

Further Information:

www.business.qld.gov.au
Email: palm@ehp.qld.gov.au
Phone: 13 QGOV (13 7468)

Privacy statement

The Department of Environment and Heritage Protection (the department) is committed to protecting the privacy, accuracy and security of your personal information in accordance with the *Information Privacy Act 2009*. The department is collecting your personal information to determine your suitability as a registered operator under section 318F of the *Environmental Protection Act 1994*. Some of this information may be given to the Department of Natural Resources and Mines for the purpose of the joint regulation of mining activities. If you answered yes to any question, the chief executive may give your information to an administering authority of another state under a corresponding law or the commissioner of the police service for the purpose of obtaining a suitability report.

If your application is approved your name, address and ABN/ACN will be disclosed on the Register of Suitable Operators which will be publicly available on the department's website. This disclosure is authorised by section 318(1)(b) of the *Environmental Protection Act 1994*. All other information will not be given to any other person or agency unless you have given us permission or we are authorised or required by law. All information supplied on this form may be disclosed publicly in accordance with the *Right to Information Act 2009* and *Evidence Act 1977*. For queries about privacy matters email: privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME Miljenko Pavlinic	
SIGNATURE CTPI 49-Sch4-Signature	
POSITION OF SIGNATORY WASTE SERVICES MANAGER	DATE 25/11/2014

From: PALM [PALM@des.qld.gov.au]
Sent: Friday, 28 November 2014 11:57 AM
To: 'Miljenko.Pavlinic@gympie.qld.gov.au'
Subject: AR066310 Incomplete DA to EA conversion
Attachments: application-convert-da-into-ea-em1100 GRCnov25.pdf; DOC251114-25112014152359.pdf

Good Morning Miljenko,

The Department of Environment and Heritage Protection (EHP) is in receipt of an application to convert a Development Approval to an Environmental Authority which was received on 25/11/2014.

Applicant Name: Gympie Regional Council

Tenure: Bonnick Road, Gympie Lot 542 MCH801883

EHP reference: AR066310

The application has been deemed 'Incomplete' as further information is required to progress your application:

1. Details of the environmentally relevant activity/ies are required at Question 5 of the attached application. Please insert the details in the table provided.

Please return the completed application marked for my attention via email: palm@ehp.qld.gov.au.

If you have any queries please don't hesitate to contact me on the number listed below.

Please provide this information by the 11/12/2014 or the application may be returned to you without assessment.

Kind Regards

Chris Hall
Administration Officer
Customer Service Team
Regulatory Capability and Customer Service Branch

Department of Environment and Heritage Protection
400 George Street, Brisbane Q 4001
GPO Box 2454, Brisbane Q 4001
Telephone: 1300 130 372 (option 4) Facsimile: (07) 3330 5875
Email: palm@ehp.qld.gov.au
www.ehp.qld.gov.au
signature block



From: Miljenko Pavlinic [mailto:Miljenko.Pavlinic@gympie.qld.gov.au]
Sent: Tuesday, 25 November 2014 3:40 PM
To: PALM
Subject: FRA AR066310 DA to EA conversion

Hi Shari

Please find attached the Application to convert da into ea for Gympie Regional Council. I also attached the scanned last page of the application with my signature.

Kind regards

Miljenko Pavlinic
Waste Services Manager/ Infrastructure Services Directorate

Gympie Regional Council
2 John Street, (PO Box 155)
Gympie 4570
Phone 07 54810899, Mobile CTPI 49-Sch4-N
Miljenko.Pavlinic@gympie.qld.gov.au

>>> PALM <palm@ehp.qld.gov.au> 25/11/2014 3:03 PM >>>

<https://www.business.qld.gov.au/business/running/environment/licences-permits/forms-fees-environmental-authority>

Shari Sievers
Senior Administration Officer
Customer Service Team
Regulatory Capability and Customer Service Branch
Department of Environment and Heritage Protection
400 George Street, Brisbane Q 4000
GPO Box 2454, Brisbane Q 4001
Telephone No: 1300 130 372 (select option 4) **Facsimile:** (07) 3330 5875
Palm@ehp.qld.gov.au
www.ehp.qld.gov.au
ehp-email-signature



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Application form

Environmental Protection Act 1994

Convert existing conditions of a development approval/permit into an environmental authority

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All applicants must be a registered suitable operator to carry out an ERA. If you are not already registered as a suitable operator, fill in the application form in Attachment 2 and submit it with this application.

Checklist for making this application

You must complete this checklist before you continue with the application form.

If none of the checklist questions apply to your activity, you are not eligible to make this application. You can only complete this application if you have ticked 'yes' to one of the checklist questions below.

Checklist questions	
Do any of the following apply to your activity? <i>Tick the appropriate check boxes.</i>	
Development permits	
Prior to 31 March 2013, did you hold a development permit for a chapter 4 activity but no registration certificate, under the EP Act?	☒ YES ☐ NO ☐ N/A
Do you have a development permit for a chapter 4 activity (under the EP Act) that came into effect on or after 31 March 2013?	☐ YES ☒ NO ☐ N/A
Urban Development Area (UDA) approvals	
Prior to 31 March 2013, did all three of the below criteria apply? 1. A UDA development approval for a chapter 4 activity was in effect. 2. The UDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under section 58(a) of the <i>Urban Land Development Authority Act 2007</i> . 3. There was no registration certificate issued for the activity under the EP Act.	☐ YES ☒ NO ☐ N/A

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Priority Development Area (PDA) approvals	
<p>For activities relating to a PDA, do all three of the below criteria apply?</p> <ol style="list-style-type: none">1. A PDA development approval for a chapter 4 activity, applied for prior to 31 March 2013, has come into effect?2. The PDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under the section 88(a) of the <i>Economic Development Act 2012</i>.3. There was no registration certificate issued for the activity under the EP Act.	<p>☐ YES ☒ NO ☐ N/A</p>

Application form

Convert existing conditions of a development approval/permit into an environmental authority

GUIDE

Take particular care in filling out the applicant details as these are legally required for the issuing of any environmental authority. Applicant details, including the name and the address should reflect the details of the person or registered legal entity.

If more space is required for any responses, please attach additional information as a separate page.

A sole applicant is an applicant where there is only 1 person or business applying to obtain an environmental authority.

A principal applicant is the individual or business nominated to act on behalf of joint applicants for the environmental authority application only.

It is particularly important to enter the correct Australian business number (ABN); Australian company number (ACN) of the incorporated company; association number (AN) of the incorporated association; or the title and section of the legislation that gives the statutory corporation its legal status.

If there is an agent acting on behalf of the sole or principal applicant provide details in this section. An agent could be a consultant or a contact for the environmental authority holder.

As statutory documents need to be sent to all applicants, this section can also be used when there are multiple environmental authority holders to nominate an address for statutory documentation to be sent 'care of' to.

Application details

1. Applicant details

SOLE OR PRINCIPAL APPLICANT DETAILS	
INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT) GYMPIE REGIONAL COUNCIL	
ABN/ACN/AN (IF RELEVANT)	
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS) 242 MARY STREET GYMPIE QLD4570	
POSTAL ADDRESS (IF DIFFERENT FROM ABOVE) PO BOX 155 GYMPIE QLD 4570	
CONTACT PERSON Miljenko Pavlinic	
PHONE 1300307800	FACSIMILE
EMAIL MILJENKO.PAVLINIC@GYMPIE.QLD.GOV.AU ☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	
SUITABLE OPERATOR REGISTRATION NUMBER (IF ALREADY A REGISTERED SUITABLE OPERATOR)	

When there is more than 1 applicant complete Attachment 1—Appointment of principal applicant by all joint applicants.

Agent for principal applicant/address for service

The address supplied here will also be used as a service address for sending statutory documents. If this section is left blank, statutory documents will be sent to the sole or principal applicant.

INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT)
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS)

Application form

Convert existing conditions of a development approval/permit into an environmental authority

POSTAL ADDRESS (IF DIFFERENT FROM ABOVE)	
CONTACT PERSON	
PHONE	FACSIMILE
EMAIL	
☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	

2. What is the permit reference number of the development approval or development permit you are applying to convert?

PERMIT REFERENCE NUMBER SPCE01417310

All applicants, including joint applicants must be registered suitable operators to be issued an environmental authority.

Once a person or corporation has been registered as a suitable operator for carrying out an ERA, no further suitable operator applications need to be made as long as the applicant for the environmental authority matches the name (including ABN/ACN etc, if applicable) recorded on the suitable operator register.

If you have previously been approved as a registered suitable operator, you can find the suitable operator registration number on the decision notice advising you of your approved application, or by going to www.gld.gov.au and entering 'suitable operator register' as a search term.

3. Are all applicants (including principal and joint applicants) registered as suitable operators?

- ☒ Yes → All applicants are registered suitable operators and the respective suitable operator registration numbers have been provided (either in question 1 or attachment 1).
- ☐ No → ☐ All/some applicants have previously lodged their applications to become registered suitable operators and are waiting for a decision.
- ☐ All/some applicants have not previously lodged applications to become registered suitable operators. These applicants must each complete the suitable operator application form in attachment 2 and submit it with this application. Attachment 2 must be completed in full, otherwise this application may be rejected as incomplete.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

4. Location where the ERA will be carried out

For an ERA that will be carried out at a fixed location, complete the table below.

STREET NUMBER	STREET NAME BONNICK ROAD	SUBURB/TOWN GYMPIE
POSTCODE 4570	LOT/PLAN(S) LOT 542 ON PLAN MCH801883	
PORT		

For a mobile and temporary prescribed ERA, provide details of the area of operation in the table below.

AREA OF OPERATION E.G. PARTICULAR LOCAL GOVERNMENTS OR ACROSS THE STATE OF QUEENSLAND

5. ERA details

LIST ALL THE ERAS FORMING PART OF THIS APPLICATION		
ERA NUMBER	NAME OF ERA	THRESHOLD

Are the ERAs forming part of this application to be carried out as a single, integrated operation with an existing environmental authority?

☒ Yes → Quote the existing environmental authority number below

EXISTING ENVIRONMENTAL AUTHORITY NUMBER EPPR00816213

☐ No

If the ERAs forming part of this application are to be carried out as part of a single integrated operation with an existing environmental authority, you may apply to add the ERAs to the existing EA.

ERAs are carried out as a single integrated operation if:

- the activities are carried out under the day-to-day management of a single responsible individual, for example a site or operations manager; and
- the activities are operationally interrelated; and
- the activities are or will be carried out at 1 or more places; and
- the places where the activities are carried out are separated by distances short enough to make feasible the integrated day-to-day management of the activities.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME

Miljenko Pavlinic

SIGNATURE

POSITION OF SIGNATORY

WASTE SERVICES MANAGER

DATE

25/11/2014

Application form

Convert existing conditions of a development approval/permit into an environmental authority

JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)
JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)

Applicant checklist

- ☒ Application form has been signed and completed.
- ☐ Attachment 1: Appointment of principal applicant by all joint applicants has been signed and completed (if applicable).
- ☐ Attachment 2: Application to be registered as a suitable operator signed and completed (if applicable).
- ☐ Question 4: Additional details have been attached with a description of land where ERA will be carried out (if applicable).
- ☐ Question 5: Additional supporting information details for the prescribed ERA have been attached (if applicable).

Further information

The latest version of this publication and other publications referenced in this document can be found at www.qld.gov.au using the relevant publication number (EM1100 for this document) as a search term.

Please submit your completed application kit to:

For ERA 2, ERA 3 or ERA 4

Post:
Senior Environmental Scientist
Animal Industries
Department of Agriculture, Fisheries and Forestry
PO Box 102
TOOWOOMBA QLD 4350

Enquiries:

Phone: (07) 4688 1374
Fax: (07) 4688 1192
Email: livestockregulator@daff.qld.gov.au

For all other ERAs

Post:
Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:

Permit and Licence Management
Department of Environment and Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Business hours: 8:30am–4:30pm business days

Enquiries:

Permit and Licence Management
Website: www.business.qld.gov.au
Email: palm@ehp.qld.gov.au
Phone: 13 QGOV (13 74 68)

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Attachment 1

Appointment of principal applicant by all joint applicants

We, being joint applicants for this environmental authority, hereby nominate the following as principal applicant:

Printed name of principal applicant

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an environmental authority

Attachment 2

Application form—application to be a registered suitable operator

Published on DES Disclosure Log
RTI Act 2009

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Published on DES Disclosure Log
RTI Act 2009

Application form

Environmental Protection Act 1994

Application to be a registered suitable operator

This approved form is to be used to apply to become a suitable operator under section 318F of the Environmental Protection Act 1994 for the carrying out of an environmentally relevant activity (ERA).

1. Applicant details

Name - Individual or contact person if applicant is a business	Position if a business
Company / Business Name (include trading name if relevant)	ABN/ACN (if relevant)
Residential or registered business address (not a post office box)	Phone
Postal address (if different from above)	Facsimile
Email	☐ Cross if you do not want to receive correspondence via email

2. Applicant suitability

Questions	No	Yes ¹
Have you, or a business partner ² ever:		
<ul style="list-style-type: none"> been convicted of an environmental offence under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> had an environmental authority, instrument, licence or permit, however called, cancelled or suspended by the administering authority (whether in Queensland or elsewhere)? 	☐	☐ attach details

¹ If yes is ticked, you must indicate if the event occurred to you individually or to a company or business in which you currently hold, or have held a position of management or control. You must also provide complete details (including the state/territory/country in which the event occurred, the relevant legislation, location of offence or incident, date of offence or incident, amount of fine, facts and circumstances surrounding the offence or incident, details of relevant persons involved including name and positions, name of court, court reference number etc) in an attachment. You may also attach any submission you want the chief executive to consider in assessing this information, which will be used in deciding whether you are a suitable operator. - A 'relevant person' is either the applicant or any person with whom the applicant is a partner or, if a corporation, any of the corporation's executive officers.

² If a corporation is applying you must answer for the corporation, any of the corporation's executive officers and any other corporations of which the executive officers are, or have been, an executive officer.

Application form
Application to be a registered suitable operator

Questions	No	Yes ¹
<ul style="list-style-type: none"> had a suitable operator registration or similar registration, however called, refused, cancelled or suspended under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> received any of the following under the <i>Environmental Protection Act 1994</i>: 		
a penalty infringement notice	☐	☐ attach details
an environmental protection order	☐	☐ attach details
an enforcement order	☐	☐ attach details
a notice requiring a transitional environmental program	☐	☐ attach details
a notice to conduct or commission an environmental audit	☐	☐ attach details
a notice to conduct or commission an environmental investigation	☐	☐ attach details
a direction notice	☐	☐ attach details
a clean up notice	☐	☐ attach details
a cost recovery notice	☐	☐ attach details
a restraint order	☐	☐ attach details
another compliance action which is not stated above	☐	☐ attach details

Applicant certification

It is an offence to provide information that you know is false, misleading or incomplete.

I declare that the information provided is true and correct. I have attached details for any question where I have answered "yes".

Signature	Date
-----------	------

Submit your completed application via email to: palm@ehp.qld.gov.au or:

Post:
Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:
Permit and Licence Management
Department of Environment and Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Hours: 8.30am–4.30pm business days

Further Information:
www.business.qld.gov.au
Email: palm@ehp.qld.gov.au
Phone: 13 QGOV (13 7468)

Privacy statement

The Department of Environment and Heritage Protection (the department) is committed to protecting the privacy, accuracy and security of your personal information in accordance with the *Information Privacy Act 2009*. The department is collecting your personal information to determine your suitability as a registered operator under section 318F of the *Environmental Protection Act 1994*. Some of this information may be given to the Department of Natural Resources and Mines for the purpose of the joint regulation of mining activities. If you answered yes to any question, the chief executive may give your information to an administering authority of another state under a corresponding law or the commissioner of the police service for the purpose of obtaining a suitability report.

If your application is approved your name, address and ABN/ACN will be disclosed on the Register of Suitable Operators which will be publicly available on the department's website. This disclosure is authorised by section 318(1)(b) of the *Environmental Protection Act 1994*. All other information will not be given to any other person or agency unless you have given us permission or we are authorised or required by law. All information supplied on this form may be disclosed publicly in accordance with the *Right to Information Act 2009* and *Evidence Act 1977*. For queries about privacy matters email: privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

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Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME Miljenko Pavlinic	
SIGNATURE	CTPI 49-Sch4-Signature
POSITION OF SIGNATORY WASTE SERVICES MANAGER	DATE 25/11/2014

From: PALM [PALM@des.qld.gov.au]
Sent: Friday, 28 November 2014 11:57 AM
To: 'Miljenko.Pavlinic@gympie.qld.gov.au'
Subject: AR066310 Incomplete DA to EA conversion
Attachments: application-convert-da-into-ea-em1100 GRCnov25.pdf; DOC251114-25112014152359.pdf

Good Morning Miljenko,

The Department of Environment and Heritage Protection (EHP) is in receipt of an application to convert a Development Approval to an Environmental Authority which was received on 25/11/2014.

Applicant Name: Gympie Regional Council

Tenure: Bonnick Road, Gympie Lot 542 MCH801883

EHP reference: AR066310

The application has been deemed 'Incomplete' as further information is required to progress your application:

1. Details of the environmentally relevant activity/ies are required at Question 5 of the attached application. Please insert the details in the table provided.

Please return the completed application marked for my attention via email: palm@ehp.qld.gov.au.

If you have any queries please don't hesitate to contact me on the number listed below.

Please provide this information by the 11/12/2014 or the application may be returned to you without assessment.

Kind Regards

Chris Hall
Administration Officer
Customer Service Team
Regulatory Capability and Customer Service Branch

Department of Environment and Heritage Protection
400 George Street, Brisbane Q 4001
GPO Box 2454, Brisbane Q 4001
Telephone: 1300 130 372 (option 4) Facsimile: (07) 3330 5875
Email: palm@ehp.qld.gov.au
www.ehp.qld.gov.au
signature block



From: Miljenko Pavlinic [mailto:Miljenko.Pavlinic@gympie.qld.gov.au]
Sent: Tuesday, 25 November 2014 3:40 PM
To: PALM
Subject: FRA AR066310 DA to EA conversion

Hi Shari

Please find attached the Application to convert da into ea for Gympie Regional Council. I also attached the scanned last page of the application with my signature.

Kind regards

Miljenko Pavlinic
Waste Services Manager/ Infrastructure Services Directorate

Gympie Regional Council
2 John Street, (PO Box 155)
Gympie 4570
Phone 07 54810899, Mobile CTPI 49-Sch4-
Miljenko.Pavlinic@gympie.qld.gov.au

>>> PALM <palm@ehp.qld.gov.au> 25/11/2014 3:03 PM >>>

<https://www.business.qld.gov.au/business/running/environment/licences-permits/forms-fees-environmental-authority>

Shari Sievers
Senior Administration Officer
Customer Service Team
Regulatory Capability and Customer Service Branch
Department of Environment and Heritage Protection
400 George Street, Brisbane Q 4000
GPO Box 2454, Brisbane Q 4001
Telephone No: 1300 130 372 (select option 4) **Facsimile:** (07) 3330 5875
Palm@ehp.qld.gov.au
www.ehp.qld.gov.au
ehp-email-signature



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please advise us by e-mail, delete it from your system and destroy all copies. Any confidentiality or privilege associated with this e-mail is not waived or lost because it has

been sent to you by mistake. This e-mail is also subject to copyright. No part of this e-mail

should be reproduced or distributed without the written consent of the copyright owner. Any personal information in this e-mail should be handled in accordance with the Privacy Act 1988(Commonwealth).

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This message has been scanned for malware by Websense. www.websense.com

Published on DES Disclosure Log
RTI Act 2009

Application form

Environmental Protection Act 1994

Convert existing conditions of a development approval/permit into an environmental authority

This form is to be used when applying to convert particular existing conditions of a development permit or development approval into an environmental authority under section 678A of the Environmental Protection Act 1994 (EP Act) for an environmentally relevant activity (ERA).

All applicants must be a registered suitable operator to carry out an ERA. If you are not already registered as a suitable operator, fill in the application form in Attachment 2 and submit it with this application.

Checklist for making this application

You must complete this checklist before you continue with the application form.

If none of the checklist questions apply to your activity, you are not eligible to make this application. You can only complete this application if you have ticked 'yes' to one of the checklist questions below.

Checklist questions	
Do any of the following apply to your activity? <i>Tick the appropriate check boxes.</i>	
Development permits	
Prior to 31 March 2013, did you hold a development permit for a chapter 4 activity but no registration certificate, under the EP Act?	☒ YES ☐ NO ☐ N/A
Do you have a development permit for a chapter 4 activity (under the EP Act) that came into effect on or after 31 March 2013?	☐ YES ☒ NO ☐ N/A
Urban Development Area (UDA) approvals	
Prior to 31 March 2013, did all three of the below criteria apply? 1. A UDA development approval for a chapter 4 activity was in effect. 2. The UDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under section 58(a) of the <i>Urban Land Development Authority Act 2007</i> . 3. There was no registration certificate issued for the activity under the EP Act.	☐ YES ☒ NO ☐ N/A

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Priority Development Area (PDA) approvals	
<p>For activities relating to a PDA, do all three of the below criteria apply?</p> <ol style="list-style-type: none">1. A PDA development approval for a chapter 4 activity, applied for prior to 31 March 2013, has come into effect?2. The PDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under the section 88(a) of the <i>Economic Development Act 2012</i>.3. There was no registration certificate issued for the activity under the EP Act.	<p>☐ YES ☒ NO ☐ N/A</p>

Application form

Convert existing conditions of a development approval/permit into an environmental authority

GUIDE

Take particular care in filling out the applicant details as these are legally required for the issuing of any environmental authority. Applicant details, including the name and the address should reflect the details of the person or registered legal entity.

If more space is required for any responses, please attach additional information as a separate page.

A sole applicant is an applicant where there is only 1 person or business applying to obtain an environmental authority.

A principal applicant is the individual or business nominated to act on behalf of joint applicants for the environmental authority application only.

It is particularly important to enter the correct Australian business number (ABN); Australian company number (ACN) of the incorporated company; association number (AN) of the incorporated association; or the title and section of the legislation that gives the statutory corporation its legal status.

If there is an agent acting on behalf of the sole or principal applicant provide details in this section. An agent could be a consultant or a contact for the environmental authority holder.

As statutory documents need to be sent to all applicants, this section can also be used when there are multiple environmental authority holders to nominate an address for statutory documentation to be sent 'care of' to.

Application details

1. Applicant details

SOLE OR PRINCIPAL APPLICANT DETAILS	
INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT) GYMPIE REGIONAL COUNCIL	
ABN/ACN/AN (IF RELEVANT)	
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS) 242 MARY STREET GYMPIE QLD4570	
POSTAL ADDRESS (IF DIFFERENT FROM ABOVE) PO BOX 155 GYMPIE QLD 4570	
CONTACT PERSON Miljenko Pavlinic	
PHONE 1300307800	FACSIMILE
EMAIL MILJENKO.PAVLINIC@GYMPIE.QLD.GOV.AU ☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	
SUITABLE OPERATOR REGISTRATION NUMBER (IF ALREADY A REGISTERED SUITABLE OPERATOR)	

When there is more than 1 applicant complete Attachment 1—Appointment of principal applicant by all joint applicants.

Agent for principal applicant/address for service

The address supplied here will also be used as a service address for sending statutory documents. If this section is left blank, statutory documents will be sent to the sole or principal applicant.

INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT)
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS)

Application form

Convert existing conditions of a development approval/permit into an environmental authority

POSTAL ADDRESS (IF DIFFERENT FROM ABOVE)	
CONTACT PERSON	
PHONE	FACSIMILE
EMAIL	
☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	

2. What is the permit reference number of the development approval or development permit you are applying to convert?

PERMIT REFERENCE NUMBER SPCE01417310

All applicants, including joint applicants must be registered suitable operators to be issued an environmental authority.

Once a person or corporation has been registered as a suitable operator for carrying out an ERA, no further suitable operator applications need to be made as long as the applicant for the environmental authority matches the name (including ABN/ACN etc, if applicable) recorded on the suitable operator register.

If you have previously been approved as a registered suitable operator, you can find the suitable operator registration number on the decision notice advising you of your approved application, or by going to www.gld.gov.au and entering 'suitable operator register' as a search term.

3. Are all applicants (including principal and joint applicants) registered as suitable operators?

- ☒ Yes → All applicants are registered suitable operators and the respective suitable operator registration numbers have been provided (either in question 1 or attachment 1).
- ☐ No → ☐ All/some applicants have previously lodged their applications to become registered suitable operators and are waiting for a decision.
- ☐ All/some applicants have not previously lodged applications to become registered suitable operators. These applicants must each complete the suitable operator application form in attachment 2 and submit it with this application. Attachment 2 must be completed in full, otherwise this application may be rejected as incomplete.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

4. Location where the ERA will be carried out

For an ERA that will be carried out at a fixed location, complete the table below.

STREET NUMBER	STREET NAME BONNICK ROAD	SUBURB/TOWN GYMPIE
POSTCODE 4570	LOT/PLAN(S) LOT 542 ON PLAN MCH801883	
PORT		

For a mobile and temporary prescribed ERA, provide details of the area of operation in the table below.

AREA OF OPERATION E.G. PARTICULAR LOCAL GOVERNMENTS OR ACROSS THE STATE OF QUEENSLAND

5. ERA details

LIST ALL THE ERAS FORMING PART OF THIS APPLICATION		
ERA NUMBER	NAME OF ERA	THRESHOLD

Are the ERAs forming part of this application to be carried out as a single, integrated operation with an existing environmental authority?

☒ Yes → Quote the existing environmental authority number below

EXISTING ENVIRONMENTAL AUTHORITY NUMBER EPPR00816213

☐ No

If the ERAs forming part of this application are to be carried out as part of a single integrated operation with an existing environmental authority, you may apply to add the ERAs to the existing EA.

ERAs are carried out as a single integrated operation if:

- the activities are carried out under the day-to-day management of a single responsible individual, for example a site or operations manager; and
- the activities are operationally interrelated; and
- the activities are or will be carried out at 1 or more places; and
- the places where the activities are carried out are separated by distances short enough to make feasible the integrated day-to-day management of the activities.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME

Miljenko Pavlinic

SIGNATURE

POSITION OF SIGNATORY

WASTE SERVICES MANAGER

DATE

25/11/2014

Application form

Convert existing conditions of a development approval/permit into an environmental authority

JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)
JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)

Applicant checklist

- ☒ Application form has been signed and completed.
- ☐ Attachment 1: Appointment of principal applicant by all joint applicants has been signed and completed (if applicable).
- ☐ Attachment 2: Application to be registered as a suitable operator signed and completed (if applicable).
- ☐ Question 4: Additional details have been attached with a description of land where ERA will be carried out (if applicable).
- ☐ Question 5: Additional supporting information details for the prescribed ERA have been attached (if applicable).

Further information

The latest version of this publication and other publications referenced in this document can be found at www.qld.gov.au using the relevant publication number (EM1100 for this document) as a search term.

Please submit your completed application kit to:

For ERA 2, ERA 3 or ERA 4

Post:
Senior Environmental Scientist
Animal Industries
Department of Agriculture, Fisheries
and Forestry
PO Box 102
TOOWOOMBA QLD 4350

Enquiries:

Phone: (07) 4688 1374
Fax: (07) 4688 1192
Email:
livestockregulator@daff.qld.gov.au

For all other ERAs

Post:
Permit and Licence Management
Department of Environment and
Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:

Permit and Licence Management
Department of Environment and
Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Business hours: 8:30am–4:30pm
business days

Enquiries:

Permit and Licence Management
Website: www.business.qld.gov.au
Email: palm@ehp.qld.gov.au
Phone: 13 QGOV (13 74 68)

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Attachment 1

Appointment of principal applicant by all joint applicants

We, being joint applicants for this environmental authority, hereby nominate the following as principal applicant:

Printed name of principal applicant

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an environmental authority

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Attachment 2

Application form—application to be a registered suitable operator

Published on DES Disclosure Log
RTI Act 2009

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Published on DES Disclosure Log
RTI Act 2009

Application form

Environmental Protection Act 1994

Application to be a registered suitable operator

This approved form is to be used to apply to become a suitable operator under section 318F of the Environmental Protection Act 1994 for the carrying out of an environmentally relevant activity (ERA).

1. Applicant details

Name - Individual or contact person if applicant is a business	Position if a business
Company / Business Name (include trading name if relevant)	ABN/ACN (if relevant)
Residential or registered business address (not a post office box)	Phone
Postal address (if different from above)	Facsimile
Email	☐ Cross if you do not want to receive correspondence via email

2. Applicant suitability

Questions	No	Yes ¹
Have you, or a business partner ² ever:		
<ul style="list-style-type: none"> been convicted of an environmental offence under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> had an environmental authority, instrument, licence or permit, however called, cancelled or suspended by the administering authority (whether in Queensland or elsewhere)? 	☐	☐ attach details

¹ If yes is ticked, you must indicate if the event occurred to you individually or to a company or business in which you currently hold, or have held a position of management or control. You must also provide complete details (including the state/territory/country in which the event occurred, the relevant legislation, location of offence or incident, date of offence or incident, amount of fine, facts and circumstances surrounding the offence or incident, details of relevant persons involved including name and positions, name of court, court reference number etc) in an attachment. You may also attach any submission you want the chief executive to consider in assessing this information, which will be used in deciding whether you are a suitable operator. - A 'relevant person' is either the applicant or any person with whom the applicant is a partner or, if a corporation, any of the corporation's executive officers.

² If a corporation is applying you must answer for the corporation, any of the corporation's executive officers and any other corporations of which the executive officers are, or have been, an executive officer.

Application form
Application to be a registered suitable operator

Questions	No	Yes ¹
<ul style="list-style-type: none"> had a suitable operator registration or similar registration, however called, refused, cancelled or suspended under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> received any of the following under the <i>Environmental Protection Act 1994</i>: 		
a penalty infringement notice	☐	☐ attach details
an environmental protection order	☐	☐ attach details
an enforcement order	☐	☐ attach details
a notice requiring a transitional environmental program	☐	☐ attach details
a notice to conduct or commission an environmental audit	☐	☐ attach details
a notice to conduct or commission an environmental investigation	☐	☐ attach details
a direction notice	☐	☐ attach details
a clean up notice	☐	☐ attach details
a cost recovery notice	☐	☐ attach details
a restraint order	☐	☐ attach details
another compliance action which is not stated above	☐	☐ attach details

Applicant certification

It is an offence to provide information that you know is false, misleading or incomplete.

I declare that the information provided is true and correct. I have attached details for any question where I have answered "yes".

Signature	Date
-----------	------

Submit your completed application via email to: palm@ehp.qld.gov.au or:

Post:

Permit and Licence Management
Department of Environment and Heritage
Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:

Permit and Licence Management
Department of Environment and Heritage
Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Hours: 8.30am–4.30pm business days

Further Information:

www.business.qld.gov.au
Email: palm@ehp.qld.gov.au
Phone: 13 QGOV (13 7468)

Privacy statement

The Department of Environment and Heritage Protection (the department) is committed to protecting the privacy, accuracy and security of your personal information in accordance with the *Information Privacy Act 2009*. The department is collecting your personal information to determine your suitability as a registered operator under section 318F of the *Environmental Protection Act 1994*. Some of this information may be given to the Department of Natural Resources and Mines for the purpose of the joint regulation of mining activities. If you answered yes to any question, the chief executive may give your information to an administering authority of another state under a corresponding law or the commissioner of the police service for the purpose of obtaining a suitability report.

If your application is approved your name, address and ABN/ACN will be disclosed on the Register of Suitable Operators which will be publicly available on the department's website. This disclosure is authorised by section 318(1)(b) of the *Environmental Protection Act 1994*. All other information will not be given to any other person or agency unless you have given us permission or we are authorised or required by law. All information supplied on this form may be disclosed publicly in accordance with the *Right to Information Act 2009* and *Evidence Act 1977*. For queries about privacy matters email: privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME

Miljenko Pavlinic

SIGNATURE CTPI 49-Sch4-Signature

POSITION OF SIGNATORY

WASTE SERVICES MANAGER

DATE

25/11/2014

From: Miljenko Pavlinic [Miljenko.Pavlinic@gympie.qld.gov.au]
Sent: Monday, 1 December 2014 8:32 AM
To: PALM
Subject: AR066310 Incomplete DA to EA conversion
Attachments: application-convert-da-into-ea-em1100 GRCdec1.pdf; DOC251114-25112014152359.pdf

Categories: Yellow Category

Dear Chris

I attached amended application.

Kind regards

Miljenko Pavlinic
Waste Services Manager/ Infrastructure Services Directorate
Gympie Regional Council
2 John Street, (PO Box 155)
Gympie 4570
Phone 07 54810899, Mobile CTPI 49-Sch4-M
Miljenko.Pavlinic@gympie.qld.gov.au

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Application form

Environmental Protection Act 1994

Convert existing conditions of a development approval/permit into an environmental authority

This form is to be used when applying to convert particular existing conditions of a development permit or development approval into an environmental authority under section 678A of the Environmental Protection Act 1994 (EP Act) for an environmentally relevant activity (ERA).

All applicants must be a registered suitable operator to carry out an ERA. If you are not already registered as a suitable operator, fill in the application form in Attachment 2 and submit it with this application.

Checklist for making this application

You must complete this checklist before you continue with the application form.

If none of the checklist questions apply to your activity, you are not eligible to make this application. You can only complete this application if you have ticked 'yes' to one of the checklist questions below.

Checklist questions	
Do any of the following apply to your activity? <i>Tick the appropriate check boxes.</i>	
Development permits	
Prior to 31 March 2013, did you hold a development permit for a chapter 4 activity but no registration certificate, under the EP Act?	☒ YES ☐ NO ☐ N/A
Do you have a development permit for a chapter 4 activity (under the EP Act) that came into effect on or after 31 March 2013?	☐ YES ☒ NO ☐ N/A
Urban Development Area (UDA) approvals	
Prior to 31 March 2013, did all three of the below criteria apply? 1. A UDA development approval for a chapter 4 activity was in effect. 2. The UDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under section 58(a) of the <i>Urban Land Development Authority Act 2007</i> . 3. There was no registration certificate issued for the activity under the EP Act.	☐ YES ☒ NO ☐ N/A

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Priority Development Area (PDA) approvals	
<p>For activities relating to a PDA, do all three of the below criteria apply?</p> <ol style="list-style-type: none">1. A PDA development approval for a chapter 4 activity, applied for prior to 31 March 2013, has come into effect?2. The PDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under the section 88(a) of the <i>Economic Development Act 2012</i>.3. There was no registration certificate issued for the activity under the EP Act.	<p>☐ YES ☒ NO ☐ N/A</p>

Application form

Convert existing conditions of a development approval/permit into an environmental authority

GUIDE

Take particular care in filling out the applicant details as these are legally required for the issuing of any environmental authority. Applicant details, including the name and the address should reflect the details of the person or registered legal entity.

If more space is required for any responses, please attach additional information as a separate page.

A sole applicant is an applicant where there is only 1 person or business applying to obtain an environmental authority.

A principal applicant is the individual or business nominated to act on behalf of joint applicants for the environmental authority application only.

It is particularly important to enter the correct Australian business number (ABN); Australian company number (ACN) of the incorporated company; association number (AN) of the incorporated association; or the title and section of the legislation that gives the statutory corporation its legal status.

If there is an agent acting on behalf of the sole or principal applicant provide details in this section. An agent could be a consultant or a contact for the environmental authority holder.

As statutory documents need to be sent to all applicants, this section can also be used when there are multiple environmental authority holders to nominate an address for statutory documentation to be sent 'care of' to.

Application details

1. Applicant details

SOLE OR PRINCIPAL APPLICANT DETAILS	
INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT) GYMPIE REGIONAL COUNCIL	
ABN/ACN/AN (IF RELEVANT)	
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS) 242 MARY STREET GYMPIE QLD4570	
POSTAL ADDRESS (IF DIFFERENT FROM ABOVE) PO BOX 155 GYMPIE QLD 4570	
CONTACT PERSON Miljenko Pavlinic	
PHONE 1300307800	FACSIMILE
EMAIL MILJENKO.PAVLINIC@GYMPIE.QLD.GOV.AU ☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	
SUITABLE OPERATOR REGISTRATION NUMBER (IF ALREADY A REGISTERED SUITABLE OPERATOR)	

When there is more than 1 applicant complete Attachment 1—Appointment of principal applicant by all joint applicants.

Agent for principal applicant/address for service

The address supplied here will also be used as a service address for sending statutory documents. If this section is left blank, statutory documents will be sent to the sole or principal applicant.

INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT)
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS)

Application form

Convert existing conditions of a development approval/permit into an environmental authority

POSTAL ADDRESS (IF DIFFERENT FROM ABOVE)	
CONTACT PERSON	
PHONE	FACSIMILE
EMAIL	
☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	

2. What is the permit reference number of the development approval or development permit you are applying to convert?

PERMIT REFERENCE NUMBER SPCE01417310

All applicants, including joint applicants must be registered suitable operators to be issued an environmental authority.

Once a person or corporation has been registered as a suitable operator for carrying out an ERA, no further suitable operator applications need to be made as long as the applicant for the environmental authority matches the name (including ABN/ACN etc, if applicable) recorded on the suitable operator register.

If you have previously been approved as a registered suitable operator, you can find the suitable operator registration number on the decision notice advising you of your approved application, or by going to www.gld.gov.au and entering 'suitable operator register' as a search term.

3. Are all applicants (including principal and joint applicants) registered as suitable operators?

- ☒ **Yes →** All applicants are registered suitable operators and the respective suitable operator registration numbers have been provided (either in question 1 or attachment 1).
- ☐ **No →**
- ☐ All/some applicants have previously lodged their applications to become registered suitable operators and are waiting for a decision.
 - ☐ All/some applicants have not previously lodged applications to become registered suitable operators. These applicants must each complete the suitable operator application form in attachment 2 and submit it with this application. Attachment 2 must be completed in full, otherwise this application may be rejected as incomplete.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

4. Location where the ERA will be carried out

For an ERA that will be carried out at a fixed location, complete the table below.

STREET NUMBER	STREET NAME BONNICK ROAD	SUBURB/TOWN GYMPIE
POSTCODE 4570	LOT/PLAN(S) LOT 542 ON PLAN MCH801883	
PORT		

For a mobile and temporary prescribed ERA, provide details of the area of operation in the table below.

AREA OF OPERATION E.G. PARTICULAR LOCAL GOVERNMENTS OR ACROSS THE STATE OF QUEENSLAND

5. ERA details

LIST ALL THE ERAS FORMING PART OF THIS APPLICATION		
ERA NUMBER	NAME OF ERA	THRESHOLD
ERA60	WASTE DISPOSAL	>20,000 TO 50,000
ERA62	WASTE TRANSFER STATION OPERATION	

Are the ERAs forming part of this application to be carried out as a single, integrated operation with an existing environmental authority?

☒ Yes → Quote the existing environmental authority number below

EXISTING ENVIRONMENTAL AUTHORITY NUMBER EPPR00816213

☐ No

If the ERAs forming part of this application are to be carried out as part of a single integrated operation with an existing environmental authority, you may apply to add the ERAs to the existing EA.

ERAs are carried out as a single integrated operation if:

- the activities are carried out under the day-to-day management of a single responsible individual, for example a site or operations manager; and
- the activities are operationally interrelated; and
- the activities are or will be carried out at 1 or more places; and
- the places where the activities are carried out are separated by distances short enough to make feasible the integrated day-to-day management of the activities.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME

Miljenko Pavlinic

SIGNATURE

Application form

Convert existing conditions of a development approval/permit into an environmental authority

POSITION OF SIGNATORY WASTE SERVICES MANAGER	DATE 25/11/2014
JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)
JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)

Applicant checklist

- ☒ Application form has been signed and completed.
- ☐ Attachment 1: Appointment of principal applicant by all joint applicants has been signed and completed (if applicable).
- ☐ Attachment 2: Application to be registered as a suitable operator signed and completed (if applicable).
- ☐ Question 4: Additional details have been attached with a description of land where ERA will be carried out (if applicable).
- ☐ Question 5: Additional supporting information details for the prescribed ERA have been attached (if applicable).

Further information

The latest version of this publication and other publications referenced in this document can be found at www.qld.gov.au using the relevant publication number (EM1100 for this document) as a search term.

Please submit your completed application kit to:

For ERA 2, ERA 3 or ERA 4

Post:

Senior Environmental Scientist
Animal Industries
Department of Agriculture, Fisheries
and Forestry
PO Box 102
TOOWOOMBA QLD 4350

Enquiries:

Phone: (07) 4688 1374
Fax: (07) 4688 1192
Email: livestockregulator@daff.qld.gov.au

For all other ERAs

Post:

Permit and Licence Management
Department of Environment and
Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:

Permit and Licence Management
Department of Environment and
Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Business hours: 8:30am–4:30pm
business days

Enquiries:

Permit and Licence Management
Website: www.business.qld.gov.au
Email: palm@ehp.qld.gov.au

Application form

Convert existing conditions of a development approval/permit into an environmental authority

Phone: 13 QGOV (13 74 68)

Attachment 1

Appointment of principal applicant by all joint applicants

We, being joint applicants for this environmental authority, hereby nominate the following as principal applicant:

Printed name of principal applicant

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Attachment 2

Application form—application to be a registered suitable operator

Published on DES Disclosure Log
RTI Act 2009

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Published on DES Disclosure Log
RTI Act 2009

Application form

Environmental Protection Act 1994

Application to be a registered suitable operator

This approved form is to be used to apply to become a suitable operator under section 318F of the Environmental Protection Act 1994 for the carrying out of an environmentally relevant activity (ERA).

1. Applicant details

Name - Individual or contact person if applicant is a business	Position if a business
Company / Business Name (include trading name if relevant)	ABN/ACN (if relevant)
Residential or registered business address (not a post office box)	Phone
Postal address (if different from above)	Facsimile
Email	☐ Cross if you do not want to receive correspondence via email

2. Applicant suitability

Questions	No	Yes ¹
Have you, or a business partner ² ever:		
<ul style="list-style-type: none"> been convicted of an environmental offence under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> had an environmental authority, instrument, licence or permit, however called, cancelled or suspended by the administering authority (whether in Queensland or elsewhere)? 	☐	☐ attach details

¹ If yes is ticked, you must indicate if the event occurred to you individually or to a company or business in which you currently hold, or have held a position of management or control. You must also provide complete details (including the state/territory/country in which the event occurred, the relevant legislation, location of offence or incident, date of offence or incident, amount of fine, facts and circumstances surrounding the offence or incident, details of relevant persons involved including name and positions, name of court, court reference number etc) in an attachment. You may also attach any submission you want the chief executive to consider in assessing this information, which will be used in deciding whether you are a suitable operator. - A 'relevant person' is either the applicant or any person with whom the applicant is a partner or, if a corporation, any of the corporation's executive officers.

² If a corporation is applying you must answer for the corporation, any of the corporation's executive officers and any other corporations of which the executive officers are, or have been, an executive officer.

Application form

Application to be a registered suitable operator

Questions	No	Yes ¹
<ul style="list-style-type: none"> had a suitable operator registration or similar registration, however called, refused, cancelled or suspended under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> received any of the following under the <i>Environmental Protection Act 1994</i>: 		
a penalty infringement notice	☐	☐ attach details
an environmental protection order	☐	☐ attach details
an enforcement order	☐	☐ attach details
a notice requiring a transitional environmental program	☐	☐ attach details
a notice to conduct or commission an environmental audit	☐	☐ attach details
a notice to conduct or commission an environmental investigation	☐	☐ attach details
a direction notice	☐	☐ attach details
a clean up notice	☐	☐ attach details
a cost recovery notice	☐	☐ attach details
a restraint order	☐	☐ attach details
another compliance action which is not stated above	☐	☐ attach details

Applicant certification

It is an offence to provide information that you know is false, misleading or incomplete.

I declare that the information provided is true and correct. I have attached details for any question where I have answered "yes".

Signature	Date
-----------	------

Submit your completed application via email to: palm@ehp.qld.gov.au or:

Post:

Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:

Permit and Licence Management
Department of Environment and Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Hours: 8.30am–4.30pm business days

Further Information:

www.business.qld.gov.au
Email: palm@ehp.qld.gov.au
Phone: 13 QGOV (13 7468)

Privacy statement

The Department of Environment and Heritage Protection (the department) is committed to protecting the privacy, accuracy and security of your personal information in accordance with the *Information Privacy Act 2009*. The department is collecting your personal information to determine your suitability as a registered operator under section 318F of the *Environmental Protection Act 1994*. Some of this information may be given to the Department of Natural Resources and Mines for the purpose of the joint regulation of mining activities. If you answered yes to any question, the chief executive may give your information to an administering authority of another state under a corresponding law or the commissioner of the police service for the purpose of obtaining a suitability report.

If your application is approved your name, address and ABN/ACN will be disclosed on the Register of Suitable Operators which will be publicly available on the department's website. This disclosure is authorised by section 318(1)(b) of the *Environmental Protection Act 1994*. All other information will not be given to any other person or agency unless you have given us permission or we are authorised or required by law. All information supplied on this form may be disclosed publicly in accordance with the *Right to Information Act 2009* and *Evidence Act 1977*. For queries about privacy matters email: privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME Miljenko Pavlinic	
SIGNATURE	CTPI 49-Sch4-Signature
POSITION OF SIGNATORY WASTE SERVICES MANAGER	DATE 25/11/2014

From: Miljenko Pavlinic [Miljenko.Pavlinic@gympie.qld.gov.au]
Sent: Monday, 1 December 2014 8:32 AM
To: PALM
Subject: AR066310 Incomplete DA to EA conversion
Attachments: application-convert-da-into-ea-em1100 GRCdec1.pdf; DOC251114-25112014152359.pdf

Categories: Yellow Category

Dear Chris

I attached amended application.

Kind regards

Miljenko Pavlinic
Waste Services Manager/ Infrastructure Services Directorate
Gympie Regional Council
2 John Street, (PO Box 155)
Gympie 4570
Phone 07 54810899, Mobile CTPI 49-Sch4-
Miljenko.Pavlinic@gympie.qld.gov.au

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please advise us by e-mail, delete it from your system and destroy all copies. Any confidentiality or privilege associated with this e-mail is not waived or lost because it has

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Opinions expressed in this e-mail do not necessarily reflect those of Gympie Regional Council ("GRC"). Information transmitted by e-mail cannot be guaranteed as either secure or error-free. E-mails may contain computer viruses or other defects and can be intercepted, interfered with, corrupted, lost, destroyed or arrive late or incomplete. GRC accepts no liability and provides no guarantee or warranty in relation to these matters or any information, action or advice contained in this e-mail. If you have any doubt about the authenticity of an e-mail purportedly sent by GRC, please contact us immediately.

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This message has been scanned for malware by Websense. www.websense.com

Application form

Environmental Protection Act 1994

Convert existing conditions of a development approval/permit into an environmental authority

This form is to be used when applying to convert particular existing conditions of a development permit or development approval into an environmental authority under section 678A of the Environmental Protection Act 1994 (EP Act) for an environmentally relevant activity (ERA).

All applicants must be a registered suitable operator to carry out an ERA. If you are not already registered as a suitable operator, fill in the application form in Attachment 2 and submit it with this application.

Checklist for making this application

You must complete this checklist before you continue with the application form.

If none of the checklist questions apply to your activity, you are not eligible to make this application. You can only complete this application if you have ticked 'yes' to one of the checklist questions below.

Checklist questions	
Do any of the following apply to your activity? <i>Tick the appropriate check boxes.</i>	
Development permits	
Prior to 31 March 2013, did you hold a development permit for a chapter 4 activity but no registration certificate, under the EP Act?	☒ YES ☐ NO ☐ N/A
Do you have a development permit for a chapter 4 activity (under the EP Act) that came into effect on or after 31 March 2013?	☐ YES ☒ NO ☐ N/A
Urban Development Area (UDA) approvals	
Prior to 31 March 2013, did all three of the below criteria apply? 1. A UDA development approval for a chapter 4 activity was in effect. 2. The UDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under section 58(a) of the <i>Urban Land Development Authority Act 2007</i> . 3. There was no registration certificate issued for the activity under the EP Act.	☐ YES ☒ NO ☐ N/A

Application form

Convert existing conditions of a development approval/permit into an
environmental authority

Priority Development Area (PDA) approvals	
<p>For activities relating to a PDA, do all three of the below criteria apply?</p> <ol style="list-style-type: none">1. A PDA development approval for a chapter 4 activity, applied for prior to 31 March 2013, has come into effect?2. The PDA development conditions of the UDA development approval nominate the administering authority to be the nominated assessing authority for the conditions under the section 88(a) of the <i>Economic Development Act 2012</i>.3. There was no registration certificate issued for the activity under the EP Act.	<p>☐ YES ☒ NO ☐ N/A</p>

Application form

Convert existing conditions of a development approval/permit into an environmental authority

GUIDE

Take particular care in filling out the applicant details as these are legally required for the issuing of any environmental authority. Applicant details, including the name and the address should reflect the details of the person or registered legal entity.

If more space is required for any responses, please attach additional information as a separate page.

A sole applicant is an applicant where there is only 1 person or business applying to obtain an environmental authority.

A principal applicant is the individual or business nominated to act on behalf of joint applicants for the environmental authority application only.

It is particularly important to enter the correct Australian business number (ABN); Australian company number (ACN) of the incorporated company; association number (AN) of the incorporated association; or the title and section of the legislation that gives the statutory corporation its legal status.

If there is an agent acting on behalf of the sole or principal applicant provide details in this section. An agent could be a consultant or a contact for the environmental authority holder.

As statutory documents need to be sent to all applicants, this section can also be used when there are multiple environmental authority holders to nominate an address for statutory documentation to be sent 'care of' to.

Application details

1. Applicant details

SOLE OR PRINCIPAL APPLICANT DETAILS	
INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT) GYMPIE REGIONAL COUNCIL	
ABN/ACN/AN (IF RELEVANT)	
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS) 242 MARY STREET GYMPIE QLD4570	
POSTAL ADDRESS (IF DIFFERENT FROM ABOVE) PO BOX 155 GYMPIE QLD 4570	
CONTACT PERSON Miljenko Pavlinic	
PHONE 1300307800	FACSIMILE
EMAIL MILJENKO.PAVLINIC@GYMPIE.QLD.GOV.AU ☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	
SUITABLE OPERATOR REGISTRATION NUMBER (IF ALREADY A REGISTERED SUITABLE OPERATOR)	

When there is more than 1 applicant complete Attachment 1—Appointment of principal applicant by all joint applicants.

Agent for principal applicant/address for service

The address supplied here will also be used as a service address for sending statutory documents. If this section is left blank, statutory documents will be sent to the sole or principal applicant.

INDIVIDUAL OR BUSINESS NAME (INCLUDE TRADING NAME IF RELEVANT)
RESIDENTIAL ADDRESS OR REGISTERED BUSINESS ADDRESS (NOT A POST OFFICE BOX ADDRESS)

Application form

Convert existing conditions of a development approval/permit into an environmental authority

POSTAL ADDRESS (IF DIFFERENT FROM ABOVE)	
CONTACT PERSON	
PHONE	FACSIMILE
EMAIL	
☐ CROSS IF YOU DO NOT WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	

2. What is the permit reference number of the development approval or development permit you are applying to convert?

PERMIT REFERENCE NUMBER SPCE01417310

All applicants, including joint applicants must be registered suitable operators to be issued an environmental authority.

Once a person or corporation has been registered as a suitable operator for carrying out an ERA, no further suitable operator applications need to be made as long as the applicant for the environmental authority matches the name (including ABN/ACN etc, if applicable) recorded on the suitable operator register.

If you have previously been approved as a registered suitable operator, you can find the suitable operator registration number on the decision notice advising you of your approved application, or by going to www.gld.gov.au and entering 'suitable operator register' as a search term.

3. Are all applicants (including principal and joint applicants) registered as suitable operators?

- ☒ **Yes →** All applicants are registered suitable operators and the respective suitable operator registration numbers have been provided (either in question 1 or attachment 1).
- ☐ **No →**
- ☐ All/some applicants have previously lodged their applications to become registered suitable operators and are waiting for a decision.
 - ☐ All/some applicants have not previously lodged applications to become registered suitable operators. These applicants must each complete the suitable operator application form in attachment 2 and submit it with this application. Attachment 2 must be completed in full, otherwise this application may be rejected as incomplete.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

4. Location where the ERA will be carried out

For an ERA that will be carried out at a fixed location, complete the table below.

STREET NUMBER	STREET NAME BONNICK ROAD	SUBURB/TOWN GYMPIE
POSTCODE 4570	LOT/PLAN(S) LOT 542 ON PLAN MCH801883	
PORT		

For a mobile and temporary prescribed ERA, provide details of the area of operation in the table below.

AREA OF OPERATION E.G. PARTICULAR LOCAL GOVERNMENTS OR ACROSS THE STATE OF QUEENSLAND

5. ERA details

LIST ALL THE ERAS FORMING PART OF THIS APPLICATION		
ERA NUMBER	NAME OF ERA	THRESHOLD
ERA60	WASTE DISPOSAL	>20,000 TO 50,000
ERA62	WASTE TRANSFER STATION OPERATION	

Are the ERAs forming part of this application to be carried out as a single, integrated operation with an existing environmental authority?

☒ Yes → Quote the existing environmental authority number below

EXISTING ENVIRONMENTAL AUTHORITY NUMBER EPPR00816213

☐ No

If the ERAs forming part of this application are to be carried out as part of a single integrated operation with an existing environmental authority, you may apply to add the ERAs to the existing EA.

ERAs are carried out as a single integrated operation if:

- the activities are carried out under the day-to-day management of a single responsible individual, for example a site or operations manager; and
- the activities are operationally interrelated; and
- the activities are or will be carried out at 1 or more places; and
- the places where the activities are carried out are separated by distances short enough to make feasible the integrated day-to-day management of the activities.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME

Miljenko Pavlinic

SIGNATURE

Application form

Convert existing conditions of a development approval/permit into an environmental authority

POSITION OF SIGNATORY WASTE SERVICES MANAGER	DATE 25/11/2014
JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)
JOINT APPLICANT'S NAME (IF APPLICABLE)	JOINT APPLICANT'S SIGNATURE (IF APPLICABLE)

Applicant checklist

- ☒ Application form has been signed and completed.
- ☐ Attachment 1: Appointment of principal applicant by all joint applicants has been signed and completed (if applicable).
- ☐ Attachment 2: Application to be registered as a suitable operator signed and completed (if applicable).
- ☐ Question 4: Additional details have been attached with a description of land where ERA will be carried out (if applicable).
- ☐ Question 5: Additional supporting information details for the prescribed ERA have been attached (if applicable).

Further information

The latest version of this publication and other publications referenced in this document can be found at www.qld.gov.au using the relevant publication number (EM1100 for this document) as a search term.

Please submit your completed application kit to:

For ERA 2, ERA 3 or ERA 4

Post:

Senior Environmental Scientist
Animal Industries
Department of Agriculture, Fisheries
and Forestry
PO Box 102
TOOWOOMBA QLD 4350

Enquiries:

Phone: (07) 4688 1374
Fax: (07) 4688 1192
Email: livestockregulator@daff.qld.gov.au

For all other ERAs

Post:

Permit and Licence Management
Department of Environment and
Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:

Permit and Licence Management
Department of Environment and
Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Business hours: 8:30am–4:30pm
business days

Enquiries:

Permit and Licence Management
Website: www.business.qld.gov.au
Email: palm@ehp.qld.gov.au

Application form

Convert existing conditions of a development approval/permit into an environmental authority

Phone: 13 QGOV (13 74 68)

Attachment 1

Appointment of principal applicant by all joint applicants

We, being joint applicants for this environmental authority, hereby nominate the following as principal applicant:

Printed name of principal applicant

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an environmental authority

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Name/Company		ABN/ACN/AN
Signatory name and position	Signature	Date
Suitable Operator Registration Number (if already a registered suitable operator)		

Application form

Convert existing conditions of a development approval/permit into an environmental authority

Attachment 2

Application form—application to be a registered suitable operator

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RTI Act 2009

Application form

Environmental Protection Act 1994

Application to be a registered suitable operator

This approved form is to be used to apply to become a suitable operator under section 318F of the Environmental Protection Act 1994 for the carrying out of an environmentally relevant activity (ERA).

1. Applicant details

Name - Individual or contact person if applicant is a business	Position if a business
Company / Business Name (include trading name if relevant)	ABN/ACN (if relevant)
Residential or registered business address (not a post office box)	Phone
Postal address (if different from above)	Facsimile
Email	☐ Cross if you do not want to receive correspondence via email

2. Applicant suitability

Questions	No	Yes ¹
Have you, or a business partner ² ever:		
<ul style="list-style-type: none"> been convicted of an environmental offence under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> had an environmental authority, instrument, licence or permit, however called, cancelled or suspended by the administering authority (whether in Queensland or elsewhere)? 	☐	☐ attach details

¹ If yes is ticked, you must indicate if the event occurred to you individually or to a company or business in which you currently hold, or have held a position of management or control. You must also provide complete details (including the state/territory/country in which the event occurred, the relevant legislation, location of offence or incident, date of offence or incident, amount of fine, facts and circumstances surrounding the offence or incident, details of relevant persons involved including name and positions, name of court, court reference number etc) in an attachment. You may also attach any submission you want the chief executive to consider in assessing this information, which will be used in deciding whether you are a suitable operator. - A 'relevant person' is either the applicant or any person with whom the applicant is a partner or, if a corporation, any of the corporation's executive officers.

² If a corporation is applying you must answer for the corporation, any of the corporation's executive officers and any other corporations of which the executive officers are, or have been, an executive officer.

Application form

Application to be a registered suitable operator

Questions	No	Yes ¹
<ul style="list-style-type: none"> had a suitable operator registration or similar registration, however called, refused, cancelled or suspended under the <i>Environmental Protection Act 1994</i> or a corresponding law (whether in Queensland or elsewhere)? 	☐	☐ attach details
<ul style="list-style-type: none"> received any of the following under the <i>Environmental Protection Act 1994</i>: 		
a penalty infringement notice	☐	☐ attach details
an environmental protection order	☐	☐ attach details
an enforcement order	☐	☐ attach details
a notice requiring a transitional environmental program	☐	☐ attach details
a notice to conduct or commission an environmental audit	☐	☐ attach details
a notice to conduct or commission an environmental investigation	☐	☐ attach details
a direction notice	☐	☐ attach details
a clean up notice	☐	☐ attach details
a cost recovery notice	☐	☐ attach details
a restraint order	☐	☐ attach details
another compliance action which is not stated above	☐	☐ attach details

Applicant certification

It is an offence to provide information that you know is false, misleading or incomplete.

I declare that the information provided is true and correct. I have attached details for any question where I have answered "yes".

Signature	Date
-----------	------

Submit your completed application via email to: palm@ehp.qld.gov.au or:

Post:
 Permit and Licence Management
 Department of Environment and Heritage Protection
 GPO Box 2454
 BRISBANE QLD 4001

Courier or hand delivery:
 Permit and Licence Management
 Department of Environment and Heritage Protection
 Level 3, 400 George Street
 BRISBANE QLD 4000
 Hours: 8.30am–4.30pm business days

Further Information:
www.business.qld.gov.au
 Email: palm@ehp.qld.gov.au
 Phone: 13 QGOV (13 7468)

Privacy statement

The Department of Environment and Heritage Protection (the department) is committed to protecting the privacy, accuracy and security of your personal information in accordance with the *Information Privacy Act 2009*. The department is collecting your personal information to determine your suitability as a registered operator under section 318F of the *Environmental Protection Act 1994*. Some of this information may be given to the Department of Natural Resources and Mines for the purpose of the joint regulation of mining activities. If you answered yes to any question, the chief executive may give your information to an administering authority of another state under a corresponding law or the commissioner of the police service for the purpose of obtaining a suitability report.

If your application is approved your name, address and ABN/ACN will be disclosed on the Register of Suitable Operators which will be publicly available on the department's website. This disclosure is authorised by section 318(1)(b) of the *Environmental Protection Act 1994*. All other information will not be given to any other person or agency unless you have given us permission or we are authorised or required by law. All information supplied on this form may be disclosed publicly in accordance with the *Right to Information Act 2009* and *Evidence Act 1977*. For queries about privacy matters email: privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

Application form

Convert existing conditions of a development approval/permit into an environmental authority

You may choose to nominate a date or event for when the environmental authority will take effect. An event can include a phase of your project you know will occur before you commence operation (for example commissioning of equipment). This take-effect date or event will be the date or event from which your annual fees will commence to be charged (your anniversary date).

Where you have nominated a take-effect date, you must not commence any activities approved under the environmental authority until the take-effect date stated on the environmental authority occurs. If you nominated an event, you will need to give written notice to the administering authority that the stated event has occurred before you commence your operation.

Where there is more than 1 applicant, this declaration is to be signed by all applicants, unless a principal applicant has been nominated in Attachment 1, in which case the principal applicant can sign on behalf of all the joint applicants.

Where the sole or principal applicant is a company, this form is to be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection and Agriculture, Fisheries and Forestry are collecting the information on this form to process your application to convert particular existing conditions into an environmental authority. This collection is authorised under sections 678A and 678B of the *Environmental Protection Act 1994*. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other parties unless authorised or required by law.

For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

6. Take effect date

Do you want the environmental authority to take effect on a nominated date or event? (Note: if you answered 'yes' at question 5, you cannot nominate a take effect date)

☐ Yes → Nominate the date or event below.

NOMINATED TAKE-EFFECT DATE OR EVENT

☒ No → The take-effect date will be the date of decision or as nominated by the administering authority.

Declaration

I declare that:

- I am the applicant or an authorised signatory for the applicant
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* 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 failure to provide sufficient information may result in the application being refused.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

APPLICANT'S NAME

Miljenko Pavlinic

SIGNATURE CTPI 49-Sch4-Signature

POSITION OF SIGNATORY

WASTE SERVICES MANAGER

DATE

25/11/2014

From: PALM [PALM@des.qld.gov.au]
Sent: Monday, 8 December 2014 9:13 AM
To: Industry and Development Assessment
Subject: FW: AR066310 & AR065805

Categories: Assessment Team 2

PLEASE NOTE THIS BRING UP RELATES TO 2X APPLICATIONS

No hard copies

An application has been received by the Customer Service Team (PaLM) and requires your assessment.

1. Type: Conversion of DA to EA

AR: AR066310

Project: 337551

Client: Gympie Regional Council

Permit: EPPR00816213

Appl ID: 569349

2. Minor Amendment

AR: AR065805

Project: 337551

Client: Gympie Regional Council

Permit: EPPR00816213

Appl ID: 568376

1. The conversion application adds ERA 60 2e & 62 at Bonnick Road Gympie to EPPR00816213

2. The Amendment is on the conditions relating to the above site.

Technically the amendment is not valid until the conversion application has been completed, therefore the application date (and therefore the ALD Date) can be amended to the date you decide the conversion application. Both applications have been forwarded so that you can issue 1 x EA that captures all changes if you wish to do so.

All application documents have been attached to Ecotrack/eDocs and can be searched by the AR numbers.

If you have any questions regarding this application please contact Shari Sievers or send an email to palm@ehp.qld.gov.au

Regards

Mike Mullins

Administration Officer

Customer Service Team

Regulatory Capability and Customer Service Branch

Telephone: 1300 130 372 (select option 4) **Facsimile:** (07) 3330 5875

Email: palm@ehp.qld.gov.au

Department of Environment and Heritage Protection

400 George Street, Brisbane Q 4000

GPO Box 2454, Brisbane Q 4001

www.ehp.qld.gov.au

Published on DES Disclosure Log
RTI Act 2009

From: SCHMITT Andrea [Andrea.Schmitt@des.qld.gov.au]
Sent: Wednesday, 14 January 2015 12:01 PM
To: Industry and Development Assessment
CC: miljenko.pavlinic@gympie.qld.gov.au
Subject: FW: Conversion and amendment of EPPR00816213
Attachments: 20150113 Gympie Regional Council ALD Notice.pdf

Categories: Assessment Team 2

Hi I&D team,
Please see attached ALD Notice.

Hi Miljenko,
Sorry for repeating my email to you – I had forgotten to cc our administration team in my earlier email to you. No changes to the ALD Notice. Please do let me know though if you would like to have the Notice mailed to you via Australia Post.

Regards,
Andrea

From: SCHMITT Andrea
Sent: Wednesday, 14 January 2015 9:00 AM
To: 'Miljenko Pavlinic'
Subject: RE: Conversion and amendment of EPPR00816213

Good morning Miljenko,
Please find attached the Assessment Level Decision Notice (ALD Notice). The amendment decision will now be made and I will be in touch with you regarding a draft version of the amended (and also modernised) EA next week.

Regards,
Andrea

From: Miljenko Pavlinic [<mailto:Miljenko.Pavlinic@gympie.qld.gov.au>]
Sent: Tuesday, 16 December 2014 10:24 AM
To: SCHMITT Andrea
Cc: Allen, Tanya
Subject: Re: Conversion and amendment of EPPR00816213

Hi Andrea
Yes we would like to have current conditions in the above EA changed into model conditions in principle. I understand that you will be sending us a comparison table showing which conditions change and which remain for our review.

Kind regards

Miljenko Pavlinic
Waste Services Manager/ Infrastructure Services Directorate
Gympie Regional Council
2 John Street, (PO Box 155)
Gympie 4570
Phone 07 54810899, Mobile CTPI 49-Sch4
Miljenko.Pavlinic@gympie.qld.gov.au

>>> SCHMITT Andrea <Andrea.Schmitt@ehp.qld.gov.au> 15/12/2014 4:03 PM >>>
Hi Miljenko,

As per our telephone conversation today please find attached the model conditions for ERA60. If you would like to have the current conditions in the above EA changed into model conditions (and site specific conditions, i.e. current conditions left as they are where they cannot be changed over but are relevant to the site) please let me know in writing. There is no additional fee and in terms of timeframe I think I could manage to do the streamlining of conditions in the same time as well as the conversion and amendment of the EA. I'll await an email with your instructions. Thank you very much.

Regards,
Andrea Schmitt
Principal Environmental Officer, Industry and Development Assessment
Environmental Services and Regulation
Department of Environment and Heritage Protection
Level 8 | 400 George Street | Brisbane
Tel 07 3339 5840
www.ehp.qld.gov.au

cid:117193111@12092014-218D



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Published on DES Disclosure Log
RTI Act 2009

Notice

Environmental Protection Act 1994

Assessment level decision

This notice is issued by the administering authority¹, pursuant to section 229 of the Environmental Protection Act 1994 to advise whether a proposed amendment to an environmental authority is a major or minor amendment.

To: Gympie Regional Council
PO Box 155
GYMPIE QLD 4570

Email: council@gympie.qld.gov.au

Your reference:
Our reference: 337551

Assessment level decision for an application to amend an environmental authority

1. **Application details** The application to amend the environmental authority (reference EPPR00816213) was received by the administering authority on 01-Dec-2014.

Land description: Snapper Creek Road TIN CAN BAY QLD 4580 Lot 58 Plan MCH3705; Balkin Street GUNALDA QLD 4570 Lot 141 Plan MCH4318; Kurrawa Drive RAINBOW BEACH QLD 4581 Lot 3 Plan USL37851; Bonnick Road GYMPIE QLD 4570 Lot 542 Plan MCH801883; Glastonbury Road GYMPIE QLD 4570 Lot 75 Plan LX1808, Lot 76 Plan LX1808; Kandanga Imbil Road IMBIL QLD 4570 Lot 87 Plan LX2669; Burnett Highway GOOMERI QLD 4601 Lot 108 Plan FY772; McKewan Road KILKIVAN QLD 4600 Lot 330 Plan W39796; Bayside Road TIN CAN BAY QLD 4580 Lot 2 Plan SP238517, Lot 86 Plan SP165067.

2. **Decision**

The assessment level decision for this application is that the proposed amendment to the environmental authority is a minor amendment.

The administering authority will, within 10 business days of this notice being given, decide to either approve or refuse your application.

¹ The Department of Environment and Heritage Protection is the administering authority under the *Environmental Protection Act 1994*.

Notice
Assessment level decision

CTPI 49-Sch4-Signature

Signature

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

13/1/15

Date

Enquiries:
Andrea Schmitt
Government Organisations and Utilities
Assessment
Department of Environment and Heritage
Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
Email: andrea.schmitt@ehp.qld.gov.au

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Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Assessment Team 2

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Environmental Services and Regulation

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RTI Act 2009

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R

Notice
Assessment level decision

CTPI 49-Sch4-Signature

Signature

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

13/1/15

Date

Enquiries:
Andrea Schmitt
Government Organisations and Utilities
Assessment
Department of Environment and Heritage
Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
Email: andrea.schmitt@ehp.qld.gov.au

Karle Matt

From: Grayden Curry [Grayden.Curry@gympie.qld.gov.au]
Sent: Wednesday, 1 February 2012 11:56 AM
To: Karle Matt
Subject: Detention Basin - Bonnick Rd
Attachments: DOC010212.pdf

Matt, information as discussed.

Regards

Grayden Curry
 General Manager Technical Services Division
 Gympie Regional Council

Ph 1300 307 800

Fax 07 5481 0898

>>> "GRC Works Depot - " <toshiba4520c@gympie.qld.gov.au> 1/02/2012 9:33 AM >>>

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Date: 01/02/2012 11:33

Pages:1

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DESIGN ARI	LOCATION				TIME		SUB-CATCHMENT RUNOFF						INLET DESIGN				DRAIN DESIGN										HEADLOSSES										PART FULL		DESIGN LEVELS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Karle Matt

From: Ian Wolff [Ian.Wolff@gympie.qld.gov.au]
Sent: Wednesday, 1 February 2012 2:14 PM
To: Karle Matt
Subject: Re:
 Circa 1980 AD.

Ian Wolff

Coordinator Health and Environmental Services | Community Services
 Telephone: (07) 5481 0611 | Facsimile: (07) 5481 0801



Gympie Regional Council
 Community Services Directorate
 24 Mellor Street, Gympie QLD 4570
 PO Box 155, Gympie QLD 4570
 e-mail: ian.wolff@gympie.qld.gov.au |
 website: www.gympie.qld.gov.au

>>> "Karle Matt" <Matt.Karle@derm.qld.gov.au> 1/02/2012 1:52 PM >>>
 Ian – quick question – when did landfill commence at the Bonnick Road landfill site?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
 Environmental Services North
 South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

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Karle Matt

From: Karle Matt

Sent: Wednesday, 1 February 2012 1:52 PM

To: 'Ian Wolff'

Ian – quick question – when did landfill commence at the Bonnick Road landfill site?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)

Environmental Services North

South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Published on DES Disclosure Log
RTI Act 2009

R

Karle Matt

From: Karle Matt
Sent: Wednesday, 1 February 2012 5:06 PM
To: 'Ian Wolff'; 'Tanya Allen'
Subject: RE: 2298 - Email - SW - Comments on Revised Draft

Ian,

I've called CTPI re the email you forwarded to me. I've amended the conditions as identified in CTPI 4 email. Most are minor typos or numbering corrections due to progressive drafting.

I have added the Rw rating of 20 to condition 2D1-8, and have added the relevant Rw ratings for roof and walls to condition 2D1-6. I don't believe this will be of concern to council, as it only reflects the commitments in the design from the ANE addendum report.

Unless council otherwise disagrees, the documents will now be submitted to a colleague for review then to Tim Brain as the delegate to be decided. I will be in Gympie tomorrow on inspections so will not have access to emails or draft documents. Tim can be contacted on 4121 1813, but he will not be aware of this discussion (ie if you have any concerns, you will need to go through it with him).

Regards

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)

Environmental Services North

South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: Ian Wolff [mailto:Ian.Wolff@gympie.qld.gov.au]
Sent: Wednesday, 1 February 2012 4:21 PM
To: Karle Matt
Cc: Grayden Curry; Michael Grant; Tanya Allen; CTPI 49-Sch4-En@bigpond.com;
CTPI 49-Sch4@exemail.com.au; CTPI 49-Sch4-N@ane.com.au
Subject: Fwd: 2298 - Email - SW - Comments on Revised Draft

ATTN: Matt Karle - DERM

Matt

Please find attached the response from Mr CTPI 49-Sch4 (ANE) regarding the latest draft of conditions.

I will make contact with you to discuss after you have had the chance to review.

Thankyou

Ian Wolff

Coordinator Health and Environmental Services | Community Services
Telephone: (07) 5481 0611 | Facsimile: (07) 5481 0801



Gympie Regional Council
Community Services Directorate
24 Mellor Street, Gympie QLD 4570
PO Box 155, Gympie QLD 4570
e-mail: ian.wolff@gympie.qld.gov.au |
website: www.gympie.qld.gov.au

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Karle Matt

From: Karle Matt
Sent: Wednesday, 1 February 2012 4:50 PM
To: CTPI 49-Sch4-
Subject: FW: 2298 - Email - SW - Comments on Revised Draft

Hi CTPI 4 - thanks for the comments forwarded by Ian from GRC. I've amended the draft as per most of your comments.

Proposed condition (2D1-6) requires roof and walls to meet NRC of 0.92. That covers your comments about the Rw of roof and walls doesn't it?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
 Environmental Services North
 South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: CTPI 49-Sch4-Name@ane.com.au]
Sent: Wednesday, 1 February 2012 3:59 PM
To: Ian Wolff
Cc: michael.grant@gympie.qld.gov.au; Tanya Allen
Subject: 2298 - Email - SW - Comments on Revised Draft

Ian,

Further comments on review of revised draft:

Landfill Conditions

1D1-5 - the parameter shown for the commercial place is contradictory. It says "measured as the adjusted maximum sound pressure level LAeq,adj,1hr". The adjusted maximum sound pressure level is different to the LAeq,adj,1hr. It should just say "measured as the LAeq,adj,1hr", as per the noise limits for a nuisance sensitive place.

1D1-6 - You're OK with no public holiday operation?

1D3-1 - minor typo. It says in the second line "to assist resolve the complaint". Should it be "to assist resolving the complaint"?

Transfer Station Conditions

2D1-8 - Point 4 - include at the end "(or achieving an Rw of 20)".

I didn't spot this previously, but an Rw of at least 20 is just another alternative for specifying an acoustic barrier. Rw is a measured of the sound attenuating performance of a building element, measured and calculated using the procedures of AS1276 and AS1191.

2D-12 - As per 1D1-5 comments - remove "adjusted maximum sound pressure level" from commercial place limit

2D2-1 - This condition says monitoring AND results must be provided within 14 days of a complaint. As discussed previously, a consultant may not be able to undertake monitoring AND reporting within 2 weeks from a complaint. I suggest the same wording as Landfill condition 1D2-1, which says monitoring only is to be undertaken within 14 days, then a report provided when received from external consultant. This leaves some flexibility in timing for receiving the report.

2D3-1 - It should reference 2D1-12 (not 2D1-13).

2D3-2 - It should reference 2D1-12 (not D1-5)

I've also noted DERM has not included other noise mitigation measures as presented in our 2298addendumreport02. Specifically, the conditions do not reference the minimum Rw for the roof (Rw 39) and walls (Rw 31). These are summarised in Dot Points 3 and 4 of the report conclusion. Please note that Council will need to achieve these Rw values for the roof and walls to achieve compliance with the limits, based on the noise modelling.

Regards,
CTPI 49-Sch4-Na
Environmental Engineer



Air Noise Environment Pty Ltd
Unit 3, 4 Tombo Street
Capalaba
QLD 4157

Tel: +61 7 3245 7808
Fax: +61 7 3245 7809
Mobile: CTPI 49-Sch4-M
Email: CTPI 49-Sch4@ane.com.au
Web: www.ane.com.au

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Karle Matt

From: Karle Matt
Sent: Wednesday, 1 February 2012 4:26 PM
To: 'Ian Wolff'
Subject: RE: 2298 - Email - SW - Comments on Revised Draft

Hello Ian,

I've received the email and attachment. I wasn't anticipating further comments from ANE.

Whilst I will have a look at the comments, I am virtually finished the assessment and drafting process, and it will soon be reviewed internally for a final decision by Friday. Hence any further amendments to the Draft will be limited to typo's and minor corrections.

Regards

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)

Environmental Services North

South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: Ian Wolff [mailto:Ian.Wolff@gympie.qld.gov.au]
Sent: Wednesday, 1 February 2012 4:21 PM
To: Karle Matt
Cc: Grayden Curry; Michael Grant; Tanya Allen; CTPI 49-Sch4-Em@bigpond.com;
CTPI 49-Sch4@exemail.com.au; CTPI 49-Sch4-N@ane.com.au
Subject: Fwd: 2298 - Email - SW - Comments on Revised Draft

ATTN: Matt Karle - DERM

Matt

Please find attached the response from Mr CTPI 49-Sch4 (ANE) regarding the latest draft of conditions.

I will make contact with you to discuss after you have had the chance to review.

Thankyou

Ian Wolff

Coordinator Health and Environmental Services | Community Services

Telephone: (07) 5481 0611 | Facsimile: (07) 5481 0801



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24 Mellor Street, Gympie QLD 4570
PO Box 155, Gympie QLD 4570
e-mail: ian.wolff@gympie.qld.gov.au |
website: www.gympie.qld.gov.au

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File/Ref MBH2951-2

2 April 2012

B.J. Smith
Chief Executive Officer
Gympie Regional Council
PO Box 155
Gympie Qld 4570

Dear Mr Smith

The Department of Environment and Resource Management (the department or DERM) has received your letter dated 20th March 2012, regarding operating hours prescribed in the recent Concurrence Agency Response for the Bonnick Road Landfill and Transfer Station development and provides the following response.

The proposed developments (landfill extension and transfer station) are very close to sensitive receptors (residential dwellings). DERM guideline *Landfill siting, design, operation and rehabilitation* (available on DERM's web site) provides guidelines for landfill siting and design. The guideline recommends that putrescible landfills be located at least 500 metres from noise, dust or odour sensitive places. The proposed developments are both *within* 200 metres of sensitive receptors (residential premises), which is less than half the buffer distance suggested in the guideline.

Also, Air Noise Environment (ANE) consultants engaged by Gympie Regional Council undertook noise monitoring and noise modelling for the proposed developments. Using DERM guideline *Planning For Noise Control*, ANE identified a noise goal for the ambient environment to assist protect amenity and minimise background creep (the term used to describe the gradual long term increase in ambient noise). During a round table meeting with Gympie Regional Council on 19th January 2012, council staff asserted the landfill extension could not comply with the noise goal. In addition, ANE consultants were not able to guarantee noise mitigation measures proposed for the Transfer Station would ensure compliance with the identified noise goal. The Department considers that in these circumstances, particularly given the close proximity of the proposed development to sensitive receptors, regulating the hours of operation at particularly sensitive times (i.e. weekends) is a necessary and responsible approach to ensure the proposed developments are sustainable. Restricting the hours of operation at particularly sensitive times enabled the department to support the developments whilst assisting to protect amenity at nearby sensitive receptors.

The restricted hours of operation apply only on weekends. Weekday hours of operation are less stringent, reflecting the likelihood that potentially affected residents may be at work or

Department of Environment and Resource Management
Cnr Alice and Lennox Sts, Maryborough
Queensland 4650 Australia

PO Box 101 Maryborough
Queensland 4650 Australia

Telephone (07) 4121 1800
Facsimile (07) 4121 1650

Website www.derm.qld.gov.au

ABN 46 640 294 485

otherwise occupied and less affected by noise. The hours of operation prescribed in conditions (1D1-6) and 2D1-13) are not impacted by public holidays, as requested by Gympie Regional Council staff during a round table meeting on 19th January 2012.

In addition, during assessment of the proposed developments, the department received correspondence objecting to the proposed development. In consideration of the material submitted with that objection, the department considered it was appropriate to restrict hours of operation on weekends. Considering submissions and best practice environmental management are required by the Standard Criteria in the *Environmental Protection Act 1994*.

The conditions regulate hours of audible noise in a manner that allows receipt of waste at the transfer station between the hours of 9am to 4pm on weekends (the wider spread of hours for the transfer station are authorised due to the noise mitigation measures proposed). Reduced public access to the landfill due to the operation of the transfer station enables regular management of the landfill throughout the day at less sensitive hours, hence minimising the need for extensive work to prepare and close the landfill at the start and finish of each day.

If the development was less constrained by close proximity of sensitive receptors, the need to restrict hours of operation may be less critical.

Prior to the Concurrence Agency Response being finalised, and as a courtesy to Gympie Regional Council, the department undertook extensive consultation with Gympie Regional Council including an onsite meeting, several round table meetings and significant email communication. Several versions of the draft conditions were provided to Gympie Regional Council for review and comment. Whilst Gympie Regional Council and its consultants specifically commented on the wording of Conditions (1D1-6) and (2D1-13), neither Gympie Regional Council nor its consultants raised strong objection or expressed confusion about the hours prescribed for audible noise emissions throughout the consultation phase.

I trust the above information demonstrates the extensive consideration given to this matter by the department when assessing the application. In supporting the proposed development in this sensitive location, the Department considered it was necessary to protect the amenity of sensitive receptors during hours most likely to cause nuisance and generate complaints.

Yours sincerely

CTPI 49-Sch4-Signature

Tim Brain
Manager (Wide Bay Burnett)
Environmental Services - North
South East Region
Department of Environment and Resource Management

Karle Matt

From: Karle Matt
Sent: Friday, 2 December 2011 2:46 PM
To: Chan Julian
Subject: Noise - still
Importance: High

Jules,

I'm still labouring over this issue with this landfill.

The consultants have done background noise monitoring. The ambient noise in the absence of the existing landfill source noise is:

L90 – 38,
 Leq – 49
 L10 – 51
 Lmax – 69

The consultant has then used the Planning for Noise control guideline, and has determined a planning noise level of 44dB(A) (L90 plus 5dB(A)). They have then modelled noise emissions, and determine lots of areas that exceed 44 dB(A), and say the operation will be in non – compliance at many sensitive receptors.

Interestingly, the existing approval for the existing landfill has noise limit of BG +5 measured as MmaxadjT.

What I don't understand is this – in the absence of the source noise, the ambient noise environment has an LmaxadjT of 69. If the background is taken to be L90 39dB(A), every other ambient noise statistic exceeds the limit the client would be required to comply with.

Am I not understanding this properly?

If my understanding is correct, there are hundreds of DA's out there with BG plus 5dB(A) as an LmaxadjT or L10 compliance limit. Where Leq, L10 and Lmax all exceed the compliant limit for ambient levels in the absence of the source noise, then all of them would fail to comply.....

Your thoughts?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
 Environmental Services North
 South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Karle Matt

From: Karle Matt
Sent: Friday, 2 December 2011 12:07 PM
To: CTPI 49-Sch4-1@ane.com.au
Subject: Bonnick Road Landfill
Hello CTPI

Further to our discussion yesterday, I have a further quick question for you. My question may exemplify a lack of understanding of noise and noise monitoring, for which I apologise early.

The scenario:

According to ANE report (August 2011), version 08, Section 3.3 provides results for ambient noise monitoring for both background locations. Table 3.4 provides a summary of average noise levels, with average L10 of 51dB(A), Leq 49dB(A), and L90 36dB(A). Figures 8, 9, 10 and 11 provide Leq contours, with everything exceeding 44dB(A) as an exceedence.

My questions:

If the ambient Leq is 49dB(A), why is anything exceeding 44dB(A) an exceedence?

The existing approval prescribes Background + 5dB(A) for LmaxadjT for compliance. If BG is taken to be L90 36dB(A), an LmaxadjT of 44dB(A) would be less than the ambient Leq. Is L90 an appropriate BG descriptor / starting point?

Your thoughts?

Matt Karle
Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region
Department of Environment and Resource Management
Ph: (07) 4121 1618
Email: matt.karle@derm.qld.gov.au

Karle Matt

From: Karle Matt
Sent: Friday, 2 December 2011 2:51 PM
To: Yoshino Toshi
Subject: Noise - still
Importance: High

Hi Toshi,

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Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Karle Matt

From: Yoshino Toshi
Sent: Friday, 2 December 2011 4:19 PM
To: Karle Matt
Subject: RE: Noise - still

Why do you have to give me one of these brain twisters on a Friday afternoon?

The limit should be 47dB LAeq adj-T, according to the Planning for noise control guideline... due to the following reasons.

Table 1 says Daytime recommended noise level for residential area near a commercial area is 45dB(A). You compare this to the existing noise level (L90: 39dB). The existing level is 6dB lower than the recommended, so you look at table 2.

In row C of table 2, it says when the background is below recommended level by 6 or more, you set the LA90 planning level at 5dB higher than the (existing) background, which is 44dB. You add +3dB(A) to convert this to a LAeq. $44+3=47\text{dB(A)}$.

Because this is the only guideline we have to come up with a DA limit, we can't really accept any other way.

If they want to have this approved, they will have to come up with ways to reduce the noise level.

Some sites have built massive earthen bunds to block noise levels in the past. Not sure if they can do this, but it may have to be rejected if they can not meet it... especially if you are foreseeing noise issues, which you seem to.

Regards,

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090

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Yeah.

Adding noise level x + noise level y is $10\log^{10}(10x/10+10y/10)$.
 So $49+47=51$. (or close enough to)

This looks a lot more achievable...

On this note, I will have to knock off.

Let me know if there are more questions. I will get back to you on Monday.

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So adding 47 and 49 = 51 – is that what you're saying?

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From: Karle Matt
Sent: Friday, 2 December 2011 3:24 PM
To: Yoshino Toshi
Subject: RE: Noise - still

Yeah – thanks for the reply Toshi. I tried to make a long story short in my initial email to you which has lead to some confusion. There is an MCU for the landfill – to expand it – hence the reason for the consultant using the planning for noise control guideline. They get a similar level to ambient plus 5.

The existing DA has BG + 5dB(A). I understand LmaxadjT is the statistical average of all peaks from the source noise during time interval T. Given the low BG of 38 during the day, adding 5 to that low number still only gives a low number. I imagine a landfill would struggle to comply with such a low level. I'd also argue its not a fair number if the Leq and L10 of the BG are a fair bit higher.

What conditions have you seen that you think are good / fair / enforceable for an activity with some steady state and some intermittent bangs etc that you'd recommend?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)

Environmental Services North

South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

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Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi
Sent: Friday, 2 December 2011 3:15 PM
To: Karle Matt
Subject: RE: Noise - still

Hi Matt,

Planning for noise control guideline is a tool for DERM to come up with a noise limit in a DA in case of a MCU. It would not apply to an existing ERA, unless they are planning to have a MCU.
 For an existing ERA, the current DA limits would be the only thing that apply (well, along with all of EPAct etc...).
 If this DA states "BG +5dB(A) L_{Amax}-adj-T", that is what applies. I have no idea why the consultant is pulling out the planning for noise control guideline.

To work out the L_{Amax}-adj-T, you need to listen to all of the relevant peaks within the measurement period and note the levels. Average these levels statistically, and you get the L_{Amax}-adj-T level.

In the "background survey", there are probably some things in the environment that are raising the LA_{eq} and LA₁₀ (may be cicada, birds and other fauna?). The L_{Amax} would not necessarily end up louder than the LA_{eq} and LA₁₀ in these instances, as it only takes into account the peaks made by the ERA activity and discounts the birds and the bees and the other stuff.

If there is a plan for a MCU and we need to come up with a new LA_{eq} level, we may need to get crafty with the concept, given existing LA_{eq} and LA₁₀ being very high.

Regards,

Toshi YOSHINO
 Senior Environmental Officer
 Ph: (07) 3896 3090
 E-mail: toshi.yoshino@derm.qld.gov.au
 Environmental Services- Logan Scenic Rim Redlands
 Department of Environment and Resource Management
www.derm.qld.gov.au
 Department of Environment and Resource Management
 Corner Main and Vulture Streets, Woolloongabba Q
 PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Friday, 2 December 2011 2:51 PM
To: Yoshino Toshi
Subject: Noise - still
Importance: High

Hi Toshi,

I have a question for you, about a landfill I am dealing with.

The landfill has the normal noise table, with authorised noise level being BG plus 5dB(A) measured as L_{max}adjT. A consultant has done background noise monitoring in the absence of the source noise, and determines:

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L90 – 38,
Leq – 49
L10 – 51
Lmax – 69

The consultant has also used the planning for noise control guideline, and has determined a planning noise level of 44dB(A). This also equates to the L90 plus 5dB(A). The consultant then modelled noise emissions, and determines lots of areas that exceed 44 dB(A), and hence the landfill is in non – compliance at many sensitive receptors.

What I don't understand is that, in the absence of the source noise, both the Leq and L10 are higher than the LmaxadjT that the client is authorised to emit.

Am I not understanding this properly?

Your thoughts appreciated?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Karle Matt

From: Karle Matt
Sent: Friday, 2 December 2011 12:07 PM
To: CTPI 49-Sch4-N@ane.com.au
Subject: Bonnick Road Landfill

Hello CTPI,

Further to our discussion yesterday, I have a further quick question for you. My question may exemplify a lack of understanding of noise and noise monitoring, for which I apologise early.

The scenario:

According to ANE report (August 2011), version 08, Section 3.3 provides results for ambient noise monitoring for both background locations. Table 3.4 provides a summary of average noise levels, with average L10 of 51dB(A), Leq 49dB(A), and L90 36dB(A). Figures 8, 9, 10 and 11 provide Leq contours, with everything exceeding 44dB(A) as an exceedence.

My questions:

If the ambient Leq is 49dB(A), why is anything exceeding 44dB(A) an exceedence?

The existing approval prescribes Background + 5dB(A) for LmaxadjT for compliance. If BG is taken to be L90 36dB(A), an LmaxadjT of 44dB(A) would be less than the ambient Leq. Is L90 an appropriate BG descriptor / starting point?

Your thoughts?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Karle Matt

From: Claybourn Dayna
Sent: Friday, 3 February 2012 9:56 AM
To: Karle Matt
Subject: Bonnick Road

Attachments: Bonnick Road_info.doc

Hi Matt

Please find attached. The section of info is contained in the table following:

i) Sustainable Planning Act 2009 requirements for concurrence agencies

Kind regards

Dayna Claybourn
Senior Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region, DERM

Telephone: 07 4121 1615 **Facsimile:** 07 4121 1650

www.derm.qld.gov.au

Department of Environment and Resource Management
102 Lennox Street, Maryborough Q 4650
PO Box 101, Maryborough Q 4650



Bonnick
ad_info.doc (502 KB)

Karle Matt

From: Karle Matt
Sent: Friday, 3 February 2012 3:01 PM
To: 'Michael Grant'
Cc: 'Tania.Stenholm@gympie.qld.gov.au'; 'Ian Wolff'
Subject: Bonnick Road application

Hello Michael,

In finalising documents for the Bonnick Road application, it appears each correspondence from council has a different "our reference" number, suggesting each document has its own reference rather than an overall project reference.

Are you able to confirm whether council has a project reference number for the Bonnick Road application?

Regards

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Karle Matt

From: Tania Stenholm [Tania.Stenholm@gympie.qld.gov.au]
Sent: Friday, 3 February 2012 5:02 PM
To: Karle Matt; Michael Grant
Subject: Re: Bonnick Road landfill

I received all the e-mails Matt.
 Thanks
 Tania

>>> "Karl Matt" <Matt.Karle@derm.qld.gov.au> 3/02/2012 4:59 PM >>>
 Tania and Michael,

I have experienced some severe last minute computing problems, which has necessitated I send the Bonnick Concurrence response in multiple parts (initially too bit on 1 document for our email system, then too big in 4 parts for our email system, resulting in 7 separate emailed parts).

In the rush, I also faxed the document to council. It would appear to have been successfully received according to my fax transaction report at this end. It was faxed to 5481 0801.

The hard copies will be sent in the post.

It would be good if either of you could confirm receipt of the various emails.

Regards

Matt Karle
 Principal Environmental Officer (Wide Bay Burnett)
 Environmental Services North
 South East Region
Department of Environment and Resource Management
 Ph: (07) 4121 1618
Email: matt.karle@derm.qld.gov.au

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Department of Environment
and Resource Management

Notice

Concurrence Agency Response

This notice is issued by the Department of Environment and Resource Management pursuant to section 287 (concurrence agency response) of the Sustainable Planning Act 2009 ("the Act").

Gympie Regional Council
PO Box 155]
Gympie Qld 4570

cc. Mr Michael Grant
Gympie Regional Council
PO Box 155
Gympie Qld 4570

Our reference: 221737
MBH2951

Re: Concurrence Agency Response

1. Application Details

Assessment Manager ref.: 2010-1765

Date application referred to DERM:

21 December 2010

Development approval applied for:

Development permit

Aspect of development:

Material change of use - Environmentally relevant activities	Sustainable Planning Regulation 2009 - Schedule 7, table 2, item 1	DERM ref. no. - SPCE01417310
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Development description:

Environmentally Relevant Activity 60 – Waste Disposal, 2(e) –
Operating a facility for disposing of, in a year, more than 20,000t to
50,000t

Property/Location description:

Lot 542, MCH801883

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2. The Chief Executive, Department of Environment and Resource Management (DERM) concurrence agency response referral jurisdiction for the aspect of development involved with the application the subject of this Notice is to tell the assessment manager as follows.
- (a) Conditions must attach to any development approval, and those conditions are attached to this Notice.

4. **Approved plans / specifications**

As per attached conditions

5. **General advice to assessment manager**

Pursuant to sections 334 and 363 of the Act, a copy of a decision notice or negotiated decision notice issued by the assessment manager must be forwarded to DERM as a referral agency for the relevant application at Department of Environment and Resource Management, PO Box 101, Maryborough 4650, and an electronic copy to eco.access@derm.qld.gov.au.

The State's Native Title Work Procedures provide that responsibility for assessment of native title issues for an IDAS application rests with the assessment manager. Therefore, DERM as a referral agency for the relevant application has not provided notification to native title parties.

6. **Additional comments or advice about the application**

Nil

7. **Additional information for applicants**

CTPI 49-Sch4-Signature

Delegate

Tim Brain

3 February 2012

Delegate, Chief Executive administering the *Environmental Protection Act 1994*,
Department of Environment and Resource Management

Enquiries:

Matt Karle
Department of Environment and Resource
Management
Wide Bay Burnett
PO Box 101
Maryborough Q 4650
Phone: 4121 1618
Fax: 4121 1650
Email: matt.karle@derm.qld.gov.au

Attachment(s)

Sustainable Planning Act 2009**DERM Permit ¹ number:**

Assessment manager reference (if any):	2010-1765
Date application received:	21 December 2010
Permit type:	Concurrence Agency Response
Date of decision:	3 rd February 2012
Decision:	For a concurrence agency response ERA 60 - Land filling operations – Approved subject to conditions. ERA 62 – Transfer Station – Approved subject to conditions Conditions must attach to any development approval
Relevant laws and policies:	<i>Environmental Protection Act 1994</i> and any related statutory instruments and subordinate legislation
Jurisdiction(s):	<i>Sustainable Planning Regulation 2009</i> – Schedule 7, table 2, item 1

Development Description(s)

Property/Location		Development
Bonnick Road, Gympie	Lot 542, MCH801883	ERA 60 – Waste Disposal, 2(e) – Operating a facility for disposing of, in a year, more than 20,000t to 50,000t
Bonnick Road, Gympie	Lot 542, MCH801883	ERA 62 – Waste Transfer Station Operation

Reason(s) for inclusion of conditions

In accordance with section 289 of the *Sustainable Planning Act 2009*, the reason(s) for inclusion of conditions stated in this permit required by the concurrence agency response for the application are as follows.

The conditions are included pursuant to section 73B of the Environmental Protection Act 1994.

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Department of Environment and Resource Management.

CTPI 49-Sch4-Signature

Delegate

Tim Brain

Delegate, Chief Executive administering the *Environmental Protection Act 1994*.

Department of Environment and Resource Management

3rd February 2012

Published on DES Disclosure Log
RTI Act 2009

CONDITIONS

ERA 60 – Land filling operations

Schedule 1A - Activity

Existing landfill and Landfill Extension

(1A1-1) This development approval relates to land filling on land described as Lot 542, on Plan MCH801883.

- References throughout these conditions to the existing landfill refers to the area of landfill depicted in Figure 1 at Schedule 1H.
- References throughout these conditions to the Landfill Extension refers to the area of landfill depicted in Figure 1 at Schedule 1H.
- Where a condition does not make reference to a specific area, the condition apply's to the approved premises generally, and will not be restricted to either the existing landfill or landfill extension.

Prevent and/or Minimise Likelihood of Environmental Harm

(1A2-1) In carrying out the environmentally relevant activity, you must take all reasonable and practicable measures to prevent and/or minimise the likelihood of environmental harm being caused. Any environmentally relevant activity that, if carried out incompetently or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner and at least in accordance with the conditions of this approval.

Maintenance of Measures, Plant and Equipment

(1A3-1) The Registered Operator must:

- (i) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
- (ii) maintain such measure, plant and equipment in a proper and efficient condition; and
- (iii) operate such measures, plant and equipment in a proper and efficient manner.

Records

(1A4-1) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Investigation into Alternative Waste Management Practices

(1A5-1) You are required to investigate alternative waste management practices to maximise, where possible, recycling and diversion of waste from being disposed to landfill.

For the purpose of satisfying this condition in accordance with the waste management hierarchy and principles of the *Waste Reduction and Recycling Act 2011*, on or before 1 December 2012 you must conduct:

- (i) a strategic waste management assessment, and include as a target, an aim to achieve a recycling or diversion from land filling at a rate of at least 70%; and
- (ii) report estimated recycling and diversion rates and any progress made in achieving the 70% target to the administering authority with each annual return after within 2 months of the end of each financial year after 1 December 2012.

Closure and Post-Closure Care

(1A6-1) Prior to cessation of waste deposition to any landfill unit, a cover system to the landfill unit must be progressively installed such that when waste deposition into the landfill unit ceases:

- (i) infiltration of water into the landfill unit is minimised;
- (ii) the likelihood of any erosion occurring to either the final cover system or the land filled materials is minimised; and
- (iii) un-controlled release of landfill gas is actively managed.

(1A6-2) Post-closure care of the landfill must be conducted following the cessation of the deposition of waste in the landfill unit, for:

- (i) a period of 30 years; or
- (ii) such shorter period until the landfill unit and surrounding site are geo-technically stable and that no release of waste materials, leachate, landfill gas or other contaminants to the environment is likely.

CTPI 4

- (1A6-3) A site management plan pursuant to Chapter 7, Part 8, Division 5 of the Environmental Protection Act 1994 must be developed and provided to the administering authority at least 12 months before the expected final receipt of waste in the landfill unit. The site management plan must include, but is not to be limited to, the future land use and actions you intend to take for compliance with the closure and post-closure care requirements of this approval.

Security

- (1A7-1) All reasonable and practical measures must be implemented to ensure unauthorised access to the premises to which this development approval relates is prevented.

Fire Prevention

- (1A8-1) Clear access to a water supply for fire fighting vehicles must be provided at all times.
 (1A8-2) An effective fire break must be provided and maintained.

Notification

- (1A9-1) Telephone the Department of Environment and Resource Management Pollution Hotline on 1300 130 372 or local office on 4121 1800 as soon as practicable after becoming aware of any release of contaminants from the site not in accordance with the conditions of this approval
- (1A9-2) Notwithstanding condition (1A9-1), within 10 days of becoming aware of any release of contaminants from the site not in accordance with the conditions of this approval, provide the following written advice to the administering authority:
- available analysis results; and
 - details of investigation or corrective actions taken or proposed; and
 - advice when any outstanding or subsequent analysis results will be provided
 - advice when any subsequent analysis will be carried out to verify the success of any corrective actions taken.
 - the name of the operator, including their approval / registration number;
 - the name and telephone number of a designated contact person;
 - quantity and substance released;
 - any vehicle involved and its registration details;
 - person/s involved;
 - the location and time of the event / release or monitoring result;
 - the suspected cause of the event or release;
 - a description of the effects of the release on the receiving environment.

Spill Kit

- (1A10-1) An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes associated with the Environmentally Relevant Activity must be kept at the site.

Information

- (1A11-1) Erect at the entrance and/or other prominent locations, signs maintained in good repair, written in a language appropriate for the user population and giving the following information:
- the name of the site and a telephone contact number for site information;
 - that disposal of waste is prohibited without the direction or permission of the landfill operator; and
 - details of the facility opening hours.

Site Based Management Plan

- (1A12-1) From commencement of the approved activity, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

CTPI 4

The SBMP must address the following matters:

- (a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals.
- (b) Identification of environmental issues and potential impacts.
- (c) Control measures for routine operations to minimise likelihood of environmental harm.
- (d) Contingency plans and emergency procedures for non-routine situations.
- (e) Organisational structure and responsibility.
- (f) Effective communication.
- (g) Monitoring of contaminant releases.
- (h) Conducting environmental impact assessments.
- (i) Staff training.
- (j) Record keeping.
- (k) Periodic review of environmental performance and continual improvement

Site Development Plan

(1A13-1) As part of the SBMP required by condition (1A12-1) the Registered Operator must develop and implement a Site Development Plan (SDP). The SDP must be reviewed on an annual basis and be kept up to date so that it covers at least the subsequent 5 years development of the landfill. The SDP must address at least the following issues:

- dimensions of landfill units used for waste disposal or storage; and
- an accurate level survey of any area to be utilised for the disposal or storage of wastes. The levels must be reduced to a common datum and related to contour plans; and
- the approximate dimensions of each landfill unit and dimensions of the active waste disposal face; and
- the in situ permeability of earthen materials which are to be used for capping and/or lining of waste disposal areas and into which excavations will be made for the purposes of waste disposal; and
- approximate location of any sedimentation pond, and / or pump wells to be used or other facilities, plant and equipment installed as part of a leachate collection, storage and recirculation system; and
- location of any stormwater drains or diversion embankments existing or to be constructed; and
- location of any areas to be capped, the proposed final surface levels and contours, final drainage system and species of vegetation to be planted as part of a rehabilitation program.
- location of bores required by condition (1C6-1)

END OF CONDITIONS FOR SCHEDULE 1A

Schedule 1B - Air

Nuisance

(1B1-1) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.

Dust Nuisance

(1B2-1) The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.

(1B2-2) In the event of a complaint to the administering authority that is not considered to be frivolous or vexatious, and at the request of the administering authority, you must undertake dust and particulate monitoring to investigate environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of the monitoring. Monitoring must include:

- (i) procedures and reporting undertaken in accordance with the **Air Quality Sampling Manual**; and
- (ii) for a complaint alleging dust nuisance, dust deposition; and
- (iii) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time; and
- (iv) be carried out in or at a place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

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Management of Landfill Gas

- (1B3-1) The release of landfill gas must not cause environmental harm.
- (1B3-2) Landfill gas is not considered to cause environmental harm if:
- (i) a landfill gas collection system is installed and maintained when the landfill unit is sufficiently elevated to allow adequate draining of gas lines; and
 - (ii) landfill gas monitoring shows that the release of methane does not exceed the following limits:
 - (a) 500 ppm at a height of 50 mm above the final and/or intermediate cover surface including the batter slopes of the landfill unit;
 - (b) 25 percent of the lower explosive limit when measured in facility structures (but excluding facility structures used for landfill gas control and landfill gas recovery system components); and
 - (c) the lower explosive limit at the landfill facility boundary.

Landfill Gas Monitoring

- (1B4-1) The assessment of compliance with the methane limits at a height of 50 mm above the final and intermediate cover surface of the landfill unit prescribed by (1B3-2) must be undertaken at the following locations:
- (i) on a grid pattern where the grid lines are no more than 50m apart; and
 - (ii) at any other locations where visual observations indicate potentially elevated concentrations of landfill gas, for example cracks, seeps in cover and distressed vegetation.
- (1B4-2) A landfill gas monitoring network must be installed for each landfill unit to assess compliance with methane limits for facility structures and at the boundary prescribed by (1B4-1). The network must consist of gas monitoring devices, such as monitoring bores and be developed by a person possessing appropriate qualifications and experience in the fields of hydrogeology and landfill gas monitoring program design to be able to competently make recommendations about these matters.
- (1B4-3) Conduct and keep records of landfill gas monitoring that is performed at the following frequencies:
- (i) at least annually to assess compliance with the methane limit at a height of 50 mm above the cover surface of the landfill unit prescribed by condition (1B3-2); and
 - (ii) at least annually to assess compliance with methane limits for facility structures and at the boundary prescribed by condition (1B3-2).

END OF CONDITIONS FOR SCHEDULE 1B

Schedule 1C - Water**Contaminant Releases to Waters**

- (1C1-1) Only clean, uncontaminated stormwater runoff from final landforms that are vegetated and rehabilitated and groundwater in accordance with condition (1C5-1), is permitted for direct release from the approved premises.
- (1C1-2) Stormwater runoff from **disturbed areas** at the existing landfill must be directed to drainage areas designed and maintained to minimise sediment release from the existing landfill. Design measures may include (but are not limited to) vegetated drainage swales and rock and sediment sumps or weirs within the approved premises.
- (1C1-3) Stormwater runoff from **disturbed areas** at the landfill extension must be directed to a sedimentation pond, which must be sufficiently constructed, operated and maintained to contain the runoff expected from a 24 hour storm with an average recurrence interval of 1 in 10 years.
- (1C1-4) Settled/treated stormwater runoff from the sedimentation pond must only be released from the following discharge location:
- W2: overflow from sedimentation pond to a tributary of Peter and Paul Gully.

Surface Water Monitoring

- (1C2-1) Monitoring of contaminant releases must be undertaken at the monitoring points described below for each discharge location and records kept, for the quality characteristics and at the frequency specified in Schedule 1C – Table 1:

CTPI

Monitoring points:

- W1- clean water bypass around the landfill discharging to Peter and Paul Gully; and
- W2- overflow from the sedimentation pond; and
- W3- ambient monitoring upstream of the landfill in Peter and Paul Gully; and
- W4- ambient monitoring downstream of the landfill in Peter and Paul Gully;
- W5 Groundwater Cut Off System monitoring point

- (1C2-2) All determinations of water quality from the monitoring prescribed by condition (1C2-1) above must be made in accordance with methods prescribed in the *Monitoring and Sampling Manual 2009 Environmental Protection (Water) Policy 2009*, available from the Department of Environment Resource Management.
- (1C2-3) Results of monitoring required by Condition (1C2-1) must be compiled and an interpretation of the results reported to the Administering Authority with each Annual Return.

Schedule 1C – Table 1 (Release Limits)

Monitoring Point	Quality Characteristics	Units of Measure	Monitoring Frequency
W1, W2, W3 and W4	pH	pH units	Weekly in the event of a release
W1, W2, W3 and W4	Suspended solids	mg/L	Weekly in the event of a release
W1, W2, W3 and W4	Temperature	Degrees celcius	6 Monthly
W1, W2, W3 and W4	Electrical Conductivity	µS/cm	6 monthly
W1, W2, W3 and W4	Dissolved Oxygen	mg/L	6 Monthly
W2, W3 and W4	Biological Oxygen Demand	mg/L	6 Monthly
W2, W3 and W4	Chloride	mg/L	6 monthly
W2, W3 and W4	Sodium	mg/L	6 monthly
W2, W3 and W4	Nitrate	mg/L	6 Monthly
W2, W3 and W4	Ammonia	mg/L	6 monthly
W2, W3 and W4	Iron (dissolved)	mg/L	6 monthly
W2, W3 and W4	Manganese	mg/L	6 Monthly

*N/A means not applicable

*NS means not specified

Landfill as a 'Bioreactor' Investigation

- (1C3-1) A Management Plan detailing the successful operation of both the existing landfill and the landfill extension as a Bioreactor must be developed within 6 months from the effective date of this Development Approval. The management plan must include (but not necessarily be limited to) the following matters:
- goals to be achieved from operating the landfill as a bioreactor;
 - measures and procedures that will minimise the generation of leachate;
 - existing leachate quality for the parameters stated in Schedule 1C Table 2
 - expected changes in leachate quality and quantity during the life of the landfill that demonstrates the landfill is effectively operating as a bioreactor;
 - expected changes in leachate quality and quantity that would suggest the landfill is not effectively operating as a bioreactor;
 - methods of leachate recycling that maximise the successful performance of the landfill as a bioreactor;
 - circumstances where leachate must be removed from the site (quality or quantity)
 - disposal and treatment options for leachate that must be removed from the site;
 - general information about the capability of any external disposal or treatment facility that may receive leachate from the site, taking into consideration (among other things):

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- a) the treatment or disposal capability of the facility; and
 - b) any environmental discharges from the selected treatment or disposal facility to the environment, and whether receipt of leachate from the landfill will affect the performance of the facility, and / or cause harm to the receiving environment.
- a monitoring program for leachate quality being circulated within the landfill.

Schedule 1C Table 2 – Leachate quality parameters

Quality Characteristic
pH
Total Dissolved Salts (TDS)
Water Level
Temperature
Electrical Conductivity - EC
Ammonia
Total Nitrogen
Nitrate (NO ₃)
Ammonia (NH ₄)
Biological Oxygen Demand (BOD)
Heavy Metals (Al, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Sn, Sb, Se, Ti, Zn)
Total Organic Carbon (TOC)
Cations (Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺)
Anions (Cl ⁻ , CO ₃ ²⁻ , HCO ₃ ⁻ , SO ₄ ²⁻)
Total Organochlorines
Total Organophosphates
Organics (VOC, SVOC, TPH)
Total Organic Halogen (TOX)
Alkalinity (CaCO ₃)
Chemical Oxygen Demand (COD)
Total Dissolved Salts

- (1C3-2) The management plan required by Condition (1C3-1) must be incorporated into the Site Based Management Plan required by Condition (1A12-1)
- (1C3-4) The management plan required by Condition (1C3-1) must be submitted to the administering authority within 7 months of the effective date of this Development approval.

Leachate Collection

- (1C4-1) A leachate collection system must be installed and maintained to effectively:
- (i) collect leachate generated in the landfill extension;
 - (ii) provide connectivity between the existing landfill and the landfill extension;
 - (iii) convey collected leachate to a designated collection or recovery point;
 - (iv) provide an access point for leachate quality and quantity monitoring; and
 - (v) ensure leachate remains contained within the liner system, including during or following periods of high rainfall.

Groundwater

- (1C5-1) A groundwater cut off system must be installed to ensure groundwater levels beneath the Landfill Extension do not come into contact with any containment liner system, nor adversely affect the integrity or performance of any containment liner system for the Landfill Extension.
- (1C5-2) The groundwater cut off system required by Condition (1C5-1) must be:
- i) Designed by a suitably qualified, experienced and **independent person**.
 - ii) Installed under the supervision of a suitably qualified, experienced and **independent person**.
 - iii) Certified by that **independent person** as being installed as per the design.
 - iv) Monitored and maintained as necessary to ensure compliance with conditions (1C5-1).
- (1C5-3) The groundwater cut off system must be designed, installed, certified and operational prior to the deposit of any waste in the Landfill Extension.
- (1C5-4) The groundwater cut off system must also provide leachate leak detection for the landfill extension, during both the life of the landfill and for a period up to 30 years post closure, or as otherwise defined in the post closure management plans required by Conditions (1A6-2) and (1A6-3).

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- (1C5-5) The groundwater cut off system must be designed and constructed to provide an access point/s (Monitoring point W5) that;
- allows for monitoring and sample collection at a designated collection sump;
 - allows for the collections of samples that are representative of the entire groundwater cut off system; and
 - is not otherwise contaminated by other sources (namely the collection sump for the leachate collection system).
- (1C5-6) Liquid intercepted by the groundwater cut off system, which is released to Peter and Paul Gully, must be analysed for the characteristics and at the monitoring frequency prescribed in Schedule C Table 3.

Schedule 1C - Table 3 Monitoring requirements for Groundwater Cut Off System

Quality Characteristic	Frequency		
	Monitoring Location	During Land filling, when liquid is present at monitoring point required by (1C5-5)	Pre-Land filling Baseline Monitoring
Water Level	W5	Monthly	Quarterly prior to the commencement of land filling at the landfill extension.
Temperature	W5	Monthly	
pH	W5	Quarterly	
Total Dissolved Salts (TDS)	W5	Quarterly	
Electrical Conductivity - EC	W5	Quarterly	
Ammonia	W5	Quarterly	
Total Nitrogen	W5	Quarterly	
Nitrate (NO ₃)	W5	Quarterly	
Ammonia (NH ₄)	W5	Quarterly	
Biological Oxygen Demand (BOD)	W5	Quarterly	
Heavy Metals (Al, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Sn, Sb, Se, Ti, Zn)	W5	Quarterly	
Total Organic Carbon (TOC)	W5	Quarterly	
Cations (Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺)	W5	Quarterly	
Anions (Cl ⁻ , CO ₃ , HCO ₃ ⁻ , SO ₄ ²⁻)	W5	Quarterly	
Total Organochlorines	W5	Annually	
Total Organophosphates	W5	Annually	
Organics (VOC, SVOC, TPH)	W5	Annually	
Total Organic Halogen (TOX)	W5	Annually	
Alkalinity (CaCO ₃)	W5	Annually	
Chemical Oxygen Demand (COD)	W5	Annually	
Total Dissolved Salts	W5	Annually	

Groundwater Monitoring

- (1C6-1) A Groundwater monitoring network must be installed for each landfill unit. The network must be:
- (i) installed and maintained by a person possessing appropriate qualifications and experience in the fields of hydrogeology and groundwater monitoring program design to be able to competently make recommendations about these matters; and
 - (ii) include a sufficient number of "bore(s) of compliance", constructed in accordance with the "Minimum Construction Requirements for Water Bores in Australia" (Agricultural and Resource Management Council of Australia and New Zealand 1997), that are located not more than 150 metres from the landfill unit or the boundary of the landfill facility whichever is the closer, and provides the following:
 - representative groundwater samples from the uppermost aquifer and from the lower (confined) aquifer; and
 - background groundwater quality in hydraulically up-gradient or background bore(s) that have not been affected by any release of contaminants to groundwaters; and

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- the quality of groundwater down gradient of any release of contaminants to groundwater including groundwater passing the relevant bore(s) of compliance.

- (1C6-2) Conduct monitoring and keep records of groundwater quality. All determinations of groundwater quality must be:
- made in accordance with methods prescribed in the Water Quality Sampling Manual and, where appropriate, in accordance with standards ISO 5667-11 1993 or AS/NZ 5667.11: 1998 Water Quality – Sampling – Guidance on sampling at Groundwaters and ISO 5667-18: 2001 Water Quality Sampling – Part 18 – Guidance on Sampling of Groundwater at Contaminated Sites;
 - conducted for the water quality characteristics and at the frequency in Schedule 1C - Table 4;
 - taken from sufficient monitoring points and/or wells to obtain representative samples of groundwater both up-gradient and down-gradient of the potential influence;
 - carried out with sufficient regularity and spatial and temporal replication to make statistically valid conclusions about the presence or absence of a release;
 - carried out with sufficient number of sampling events to determine ambient water quality and natural variability prior to any development of the site occurring;
 - followed by an assessment of whether or not there has been any statistically significant adverse change compared to background values at locations hydraulically down gradient of the landfill unit for each quality characteristic in Schedule 1C - Table 4.

Schedule 1C – Table 4 Monitoring requirements for groundwater quality

Quality Characteristic	Frequency	
	During Land filling	Pre-Land filling Baseline Monitoring
Water Level	Monthly	Quarterly prior to the commencement of land filling at the landfill extension.
Temperature	Monthly	
Total Dissolved Salts (TDS)	Quarterly	
pH	Quarterly	
Electrical Conductivity - EC	Quarterly	
Ammonia	Quarterly	
Total Nitrogen	Quarterly	
Nitrate (NO ₃)	Quarterly	
Ammonia (NH ₄)	Quarterly	
Biological Oxygen Demand (BOD)	Quarterly	
Heavy Metals (Al, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Sn, Sb, Se, Ti, Zn)	Quarterly	
Total Organic Carbon (TOC)	Quarterly	
Cations (Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺)	Quarterly	
Anions (Cl ⁻ , CO ₃ , HCO ₃ ⁻ , SO ₄ ²⁻)	Quarterly	
Total Organochlorines	Annually	
Total Organophosphates	Annually	
Organics (VOC, SVOC, TPH)	Annually	
Total Organic Halogen (TOX)	Annually	
Alkalinity (CaCO ₃)	Annually	
Chemical Oxygen Demand (COD)	Annually	
Total Dissolved Salts	Annually	

- (1C6-3) On any occasion that samples are obtained in accordance with condition (1C6-2) the Registered Operator must measure and record standing groundwater levels in metres accurate to 0.01 metres. The elevation of the reference point, relative to Australian Height Datum, for use in any groundwater level measurement must be determined to an accuracy of 0.01 metres.

Monitoring Review and Summary

- (1C7-1) All groundwater monitoring required by this Development Approval must be reviewed on an annual basis by an independent person with suitable qualifications and experience to summarise and interpret the results regarding any impacts on the values of the receiving water environment.

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- (1C7-2) The review and interpretation of water monitoring results required by Condition (1C7-1) must be provided as a report to the administering authority on an annual basis with each Annual Return.

Prohibition of Use of Certain Materials for Dust Suppression

- (1C8-1) The following materials must not be used for dust suppression purposes:
- used oil; and
 - landfill gas condensate; and
 - any other material that has been in contact with waste, such as leachate or stormwater runoff from any exposed waste.

Landfill Cell and Pond Construction

- (1C9-1) All ponds used for the storage or treatment of contaminants (including any sediment pond) at or on the authorised place must be constructed, installed and maintained:
- (i) so as to minimise the likelihood of any release of effluent through the bed or banks of the pond to any waters (including ground water);
 - (ii) using suitable banks and / or diversion drains so as to exclude clean stormwater runoff from entering the pond or structure,
 - (iii) using suitable banks to exclude any rising waters from Peter and Paul Gully during a flood event, sufficient to exclude at least a Q100 flood event;
 - (iv) so that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies; and
 - (v) so as to ensure the stability of the ponds' construction.
- (1C9-2) Soils and other materials used in the construction of any waste disposal cells or subcells, above ground embankments, sediment pond and final cover must achieve a hydraulic conductivity which is sufficiently low and be of sufficient thickness so as to prevent or minimise the release of contaminants. As a minimum, the permeability of various landfill features must at least comply with the corresponding limits specified in Schedule 1C – Table 5.
- (1C9-3) Following construction of any landfill unit, above ground embankment, leachate collection pond, or sediment pond, and prior to that structure being commissioned, the permeability of the base and walls of the structure must be tested to ensure it meets the standards required by the conditions of this development approval.
- In each structure tested at least the following number of permeability tests must be made:
- at least two permeability tests in each wall of the subject structure; and
 - at least one permeability test in the base of the subject structure for every 10 000 m² of base area or part thereof.
- (1C9-4) To demonstrate compliance with Condition (1C9-2) and Schedule 1C Table 5, permeability testing must at least include laboratory testing, and subsequent field testing involving Nuclear Density Testing and Microwave Moisture Verification, and must be certified as meeting the prescribed permeability by a suitably qualified and experienced independent person.
- (1C9-5) The landfill extension must incorporate a liner system, capable of containing waste and leachate within the landfill development, and minimise the potential for leachate to be released from the approved premises as seepage.
- (1C9-6) Any landfill cell or sub-cell, above ground embankment, leachate collection pond, sediment pond and final cover must be constructed and operated in accordance with the requirements specified in Schedule 1C – Table 5.

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Schedule 1C – Table 5
(Permeabilities and Special Requirements for Landfill Features)

Landfill Feature	Minimum Permeability (m sec ⁻¹)	Minimum Thickness (mm)	Special Requirements
Liner sub base	1×10^{-8}	600mm	- Preparation of low permeability clay base beneath the clay liner
Geosynthetic Clay Liner	Equivalent of 600mm of clay with a permeability of at least 1×10^{-9}	Equivalent of 600mm of clay with a permeability of at least 1×10^{-9}	
Confining Layer	Not specified	300	
Base and walls of sediment pond	1×10^{-7}		<ul style="list-style-type: none"> - Sediment pond is not to receive stormwater runoff that has been in contact with waste. - Sediment pond is a sediment control device for runoff from disturbed areas only.
Daily landfill cover	Not specified	200	<ul style="list-style-type: none"> - Non – dispersive soil. - Cover must be applied following the last application of waste for the day. - No waste protruding - Alternatively, for the active face only, use of a temporary cover such as a 'landfill lid' or other proprietary product that assists to contain odours; minimise wind blown litter; and which assists to control vermin is an acceptable solution where the proprietary product completely covers the active face.
Final landfill cover, comprising:			
- Daily landfill cover	Not specified	200	
- Low permeability cap	1×10^{-8}	500	
- Soil sub – base	Not specified	200 – 300	
- Topsoil	Not Specified	At least 150	<ul style="list-style-type: none"> - Final landfill cap should not exceed 20 percent slope - No waste protruding

Stormwater Management Plan

(1C10-1) As part of the SBMP required by condition (1A12-1) the Registered Operator must develop and implement a Stormwater Management Plan which addresses at least the following issues:

- diverting clean upstream stormwater away from contaminated areas; and
- containing contaminated stormwater on site; and
- minimising the size of contaminated areas; and
- provision of sedimentation dams and rubbish traps; and
- minimising the size of disturbed areas by staging works and progressively revegetating or mulching disturbed areas.
- Minimising the size of any active face, including measures to cover the active face when not in use (utilising either day cover or temporary and moveable proprietary products).

END OF CONDITIONS FOR SCHEDULE 1C

Schedule D - Noise

(1D1-1) Noise from the approved activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.

(1D1-2) Mulching of green waste is not permitted at the site.

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- (1D1-3) Crushing, milling or grinding of concrete waste is not permitted at the site.
- (1D1-4) In the event of a complaint about noise that the administering authority does not consider to be frivolous or vexatious, and which cannot otherwise be resolved through negotiation, at the request of the Administering Authority the Registered Operator must conduct noise monitoring of emissions from the approved activity in the vicinity of the closest nuisance sensitive or commercial place.
- (1D1-5) In the event noise monitoring is required by the Administering Authority, noise from the approved activity must not exceed the levels specified in Schedule D - Table 1 at any nuisance sensitive or commercial place.

**Schedule D – Table 1
(Noise Levels)**

Time Period	Proponent Noise level at a 'Nuisance Sensitive Place' measured as the $L_{A,eq\ adj\ 1hr}$
7am - 5pm	47 dB(A) or background noise level plus 3 dB(A), whichever is the higher
Time Period	Noise level at a 'Commercial place' measured as the $L_{A,eq\ adj\ 1hr}$
7am - 5pm	55 dB(A) or background noise level plus 5 dB(A), whichever is the greater

- (1D1-6) No audible noise from the approved premises is authorised at a nuisance sensitive premises (including noise from the use of vehicles, plant and equipment) between the hours 5:00pm to 7:00am Monday to Friday, and 3:00pm to 10:00am Saturday and Sunday.

Noise Monitoring

- (1D2-1) In the event of a complaint to the administering authority that is not considered to be frivolous or vexatious, and at the request of the administering authority, noise monitoring must be undertaken to investigate a complaint of noise nuisance within 14 days, and the results of that monitoring provided to the administering authority once received from any external consultant with an interpretation of the results against the authorised noise levels prescribed by Condition (1D1-5). Monitoring must include:
- background noise level;
 - $L_{Aeq, adjT}$, $L_{Amax, adj, T}$, $L_{A10, adjT}$
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors such as traffic noise; and
 - location, date and time of recording.
- (1D2-2) The method of measurement and reporting of noise levels must comply with the Noise Measurement Manual.

Noise Management Plan

- (1D3-1) In the event noise emitted from the approved activity exceeds noise limits prescribed by Condition (1D1-5) the Registered Operator must develop a noise management plan to assist resolving the complaint. The noise management plan must address at least, but not be limited to, the following matters:
- (i) identification of component noise sources and activities at the place(s) which impact on nuisance sensitive and commercial places;
 - (ii) the measured level of these noise sources and activities at nuisance sensitive and commercial places;
 - (iii) the control or abatement measures necessary to reduce noise nuisance at nuisance sensitive and commercial places;
 - (iv) the predicted reduction in noise at nuisance sensitive places by implementing these measures;
 - (v) time frame for completion of the work proposed;
 - (vi) any necessary community liaison and consultation; and
 - (vii) any training requirements for staff in noise reduction practices.

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- (1D3-2) A draft Noise Management Plan must be submitted to the Administering Authority for review and comment within one month of a noise emission that exceeds limits prescribed by Condition (D1-5).
- (1D3-3) After the Administering Authority has commented on the draft Noise Management Plan, the Registered Operator must have due regard to any comments made by the administering authority, and must implement the plan as soon as practicable.

END OF CONDITIONS FOR SCHEDULE 1D

Schedule 1E – Waste

Waste Acceptance

- (1E1-1) Within 24 months from the commencement date of this Development Approval, disposal of putrescible waste to the existing landfill must cease.
- (1E1-2) Exposed waste (excluding recyclable waste that is temporarily stored in a defined area) must be limited to the working face of any landfill unit and the area of exposure must be minimised to the greatest extent practicable. For the purpose of this condition, no waste must be deposited beyond the boundaries of the landfill unit(s).
- (1E1-3) Only the following general and limited regulated waste materials are permitted to be accepted:
- domestic waste;
 - commercial waste;
 - domestic clean-up waste;
 - construction or demolition waste;
 - industrial waste;
 - garden wastes;
 - putrescible wastes;
 - solid inert wastes;
 - limited regulated waste may be disposed of in the general waste stream provided the quantity of limited regulated waste received at the facility in a year is not more than 10% of the total waste received at the facility in any calendar year.
- NOTES:
- (a) wet cell batteries, waste oil and grease trap waste may be accepted and temporarily stored at the licensed place for recycling purposes.
- (b) drums containing any residual regulated waste are a regulated waste unless effectively cleaned in accordance with Operational Policy 'Determinations for management of regulated wastes'.
- (1E1-4) Any limited regulated waste disposed of at the landfill must only be in a solid form*
- (* excluding water treatment plant residues and screenings from Gympie Regional Council Sewage Treatment Plants.)
- (1E1-5) The quantity of limited regulated waste received at the facility in a year must not be more than 10% of the total waste quantity received at the facility in any calendar year.
- (1E1-6) Notwithstanding any condition of this approval, you shall not cause, permit or allow deposition of the following waste materials in the landfill unit:
- liquid or semi-liquid waste other than liquid or semi liquid waste which has been produced in the carrying out of the environmentally relevant activity;
 - hot ash;
 - material that is smouldering or aflame;
 - material containing a substance which is ignitable, corrosive, reactive or toxic (other than materials containing a toxic substance from domestic premises);
 - radioactive wastes;
 - explosives;
 - ammunition, other than ammunition that no longer contains explosives, pyrotechnics or propellants apart from trace residues that are no longer capable of supporting combustion or an explosive reaction;
 - tyres*
 - contaminated soil;
 - treatment tank sludge or residues, other than sewage treatment plant screenings and grit;
 - biosolids;
 - grease trap wastes; and

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- green waste – other than green waste that is of a size that cannot otherwise be shredded or composted, or which enters the landfill through the domestic waste collection service.

(* Council must take all reasonable and practical measures to prevent tyres being disposed into the landfill)

- (1E1-7) Limited regulated wastes accepted must be interred in compliance with the special requirements specified in Schedule 1E – Table 1.

Schedule 1E – Table 1
(Special Requirements for Waste Types)

Waste Type	Special Requirements
Infectious substances or quarantine waste	Rendered non-infectious before acceptance at landfill
Fish processing waste	No liquid waste
Food processing waste	No liquid waste
Poultry processing waste	No liquid waste

- (1E1-8) All exposed waste must be covered each day following the last deposition of wastes in the landfill and comply with the requirements for day cover specified in Schedule 1C Table 5.
- (1E1-9) The following conditions must be complied with in the disposal of all forms of asbestos waste. The asbestos waste must be disposed of:
- to a designated asbestos disposal pit(s) where no excavation takes place following the disposal of asbestos waste within that pit, and immediately covered with 200 mm of consolidated earth or equivalent cover material over the entire area of the pit; or
 - placed at the bottom of the current working face of the landfill unit (the disposal place) and immediately covered with at least 1 metre of waste;
 - the asbestos waste, the asbestos waste disposal pit or disposal place as the case may be, and all areas within 2 metres of the disposal pit/disposal place and asbestos waste (the 2 metre buffer area) must remain undisturbed following the waste disposal operation (including not placing the waste in a position where any gas extraction wells are likely to be necessary or drilling any gas extraction wells through the waste deposit);
 - plant and equipment must be available for any necessary preparation of the disposal pit/disposal place upon receipt of the asbestos waste and immediate covering of the asbestos waste and compacting of the area upon placement in the pit; and
 - the asbestos waste must be contained within the final landfill unit at a minimum distance of two (2) metres from the surface and flanks of the final landfill unit, excluding any final cover system required as a condition of this development approval (where final landfill unit means that deposition to the landfill unit has ceased).
- (1E1-10) The Registered Operator must take all reasonable and practicable measures to prevent the commingling of waste authorised to be interred within the landfill with waste not authorised to be interred at the landfill.

Special Burial

- (1E2-1) You must handle and dispose of as a special burial all waste which is likely to cause environmental harm when placed in an exposed position.

Waste Records

- (1E3-1) Keep and maintain records of source, volumes and composition of all waste types accepted at the premises and report these values to the administering authority at the end of each financial year.

Litter Management

- (1E4-1) Where litter is blown or washed from the premises to which this development approval relates, the Registered Operator must take all reasonable and practicable actions to:
- retrieve the litter and ensure that it is disposed of in an appropriate manner; and
 - implement measures to prevent a recurrence of litter being blown or washed from the premises.

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Burning

(1E5-1) The Registered Operator must not:

- (i) burn waste at or on the place to which this development approval relates*; nor
- (ii) allow waste to burn or be burnt at or on the place to which this development approval relates nor
- (iii) remove waste and burn such waste elsewhere.

(* This condition does not apply to material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm. Additionally, this condition does not refer to activities carried out under the provisions of the Fire Services Act 1990.)

Public Health Issues

(1E6-1) The Registered Operator must take all reasonable and practicable measures necessary to ensure that the carrying out of the environmentally relevant activity does not cause any adverse effect on public health or any nuisance in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors

Quantities of Waste Disposed

(1E7-1) The Registered Operator must record details of the quantity of wastes interred including the following:

- quantity of infectious substances or quarantine waste that has been rendered non-infectious;
- quantity of fish processing waste;
- quantity of food processing waste;
- quantity of poultry processing waste;
- quantity of other regulated waste;
- total quantity of waste.

Notes: (1) where a load of general waste contains a number of regulated wastes an estimation of the percentage composition of each regulated waste must be made and recorded;
 (2) with respect to this condition, records of all quantities of waste must be expressed as a weight, e.g., kilograms or tonnes.

(1E7-2) The Registered Operator must not permit putrescible waste to be stored on site overnight or during times when the landfill is not open for the receipt of waste, without that waste being stored in a fully enclosed container or other device that prevents odour nuisance and which prevents contact with rainfall and stormwater runoff.

Note: Waste interred into the landfill in compliance with the conditions of this development approval is considered to have been disposed of and is not being stored.

(1E7-3) The final height of the landfill must not exceed RL 83.012m.

END OF CONDITIONS FOR SCHEDULE 1E

Schedule 1F - Land**Preventing Contaminant Release to Land**

(1F1-1) Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

(1F1-2) All petroleum product storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

(1F1-3) The base and walls of all bunded areas must be maintained free from gaps and cracks.

END OF CONDITIONS FOR SCHEDULE 1F

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Schedule 1G - Community

Complaint Response

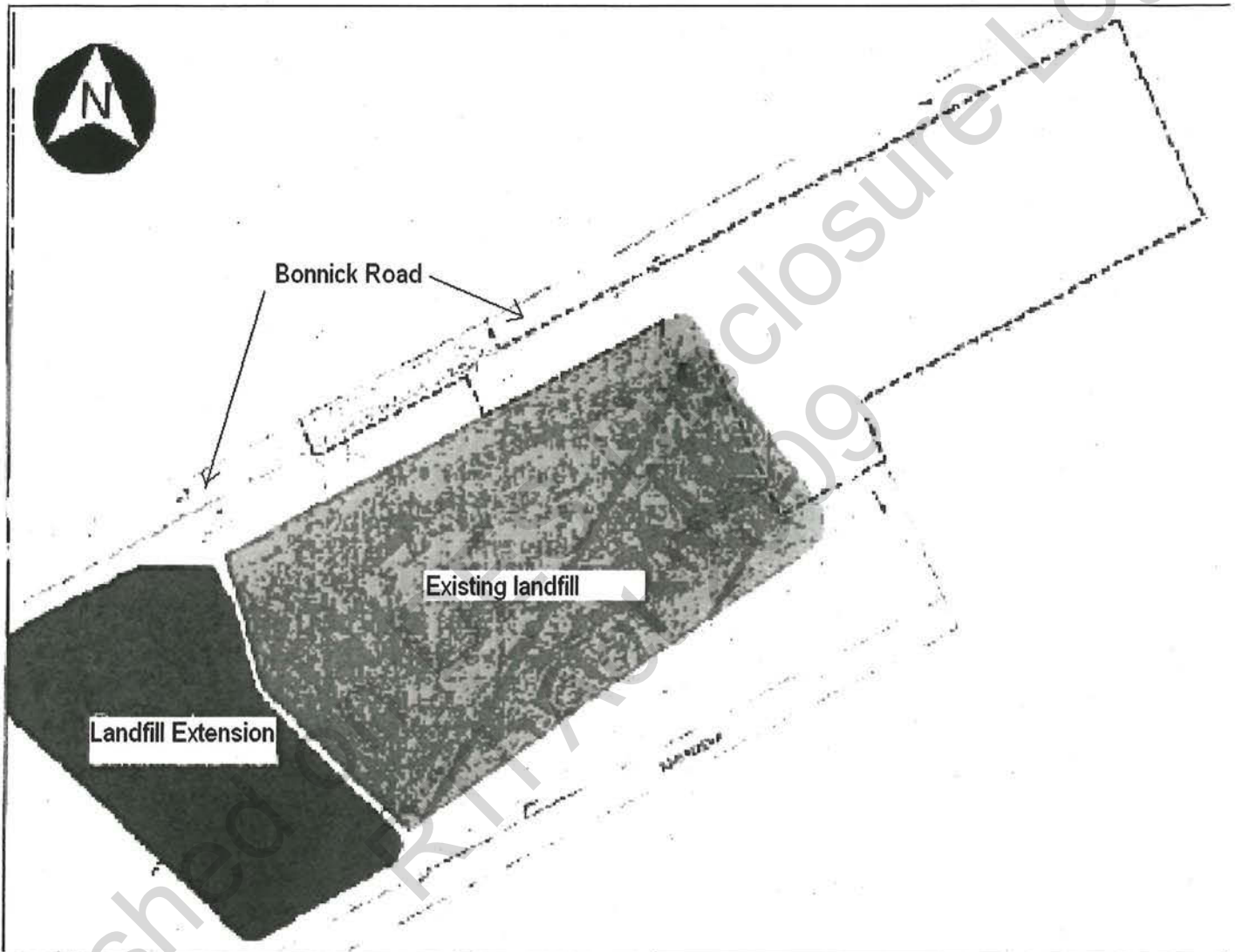
(1G1-1) The Registered Operator must record the following details for all complaints received and provide this information to the administering authority on request:

- a) Time, date and contact details of the complainant;
- b) Reasons for the complaint;
- c) Any investigations undertaken;
- d) Conclusions formed; and
- e) Actions taken to resolve the complaint.

END OF CONDITIONS FOR SCHEDULE 1G

Schedule 1H – Maps / Plans

Figure 1 - Existing Landfill and Landfill Extension



Conditions

ERA 62 – Transfer Station Schedule 2A – General

Prevent and / or minimise likelihood of environmental harm

(2A1-1) In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or minimise the likelihood of environmental harm being caused.

Maintenance of Measures, Plant and Equipment

(2A2-1) The operator of an ERA to which this approval relates must:

- a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
- b) maintain such measures, plant and equipment in a proper and efficient condition; and
- c) operate such measures, plant and equipment in a proper and efficient manner.

Site Based Management Plan

(2A3-1) From commencement of the approved activity, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

The SBMP must address the following matters:

- (a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals.
- (b) Identification of environmental issues and potential impacts.
- (c) Control measures for routine operations to minimise likelihood of environmental harm.
- (d) Contingency plans and emergency procedures for non-routine situations.
- (e) Organisational structure and responsibility.
- (f) Effective communication.
- (g) Monitoring of contaminant releases.
- (h) Conducting environmental impact assessments.
- (i) Staff training.
- (j) Record keeping.
- (k) Periodic review of environmental performance and continual improvement

(2A3-2) The site based management plan must not be implemented or amended in a way that contravenes a condition of this approval.

Records

(2A4-1) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Notification

(2A5-1) Telephone the Department of Environment and Resource Management Pollution Hotline on 1300 130 372 or local office on 4121 1800 as soon as practicable after becoming aware of any release of contaminants from the site not in accordance with the conditions of this approval

(2A5-2) Notwithstanding condition (2A5-1), within 10 days of becoming aware of any release of contaminants from the site not in accordance with the conditions of this approval, provide the following written advice to the administering authority:

- the full analysis results; and
- details of investigation or corrective actions taken; and
- results of any subsequent analysis carried out to verify the success of any corrective actions taken or proposed.
- Advice when any outstanding or subsequent analysis results will be provided
- Advice when any subsequent analysis will be carried out to verify the success of any corrective actions taken.
- the name of the operator, including their approval / registration number;

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- the name and telephone number of a designated contact person;
- quantity and substance released;
- any vehicle involved and its registration details;
- person/s involved;
- the location and time of the event / release or monitoring result;
- the suspected cause of the event or release;
- a description of the effects of the release on the receiving environment.

Monitoring

- (2A6-1) A suitably qualified and experienced person must conduct any monitoring required by this approval.

Equipment Calibration

- (2A7-1) All instruments, equipment and measure devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.

Spill Kit

- (2A8-1) A dedicated spill kit, personal protective equipment and operator instructions/emergency procedure guides for the management of wastes associated with the Environmentally Relevant Activity must be kept at the site.

END OF CONDITIONS FOR SCHEDULE 2A**Schedule 2B - Air****Nuisance**

- (2B1-1) The release of dust and / or particulate matter, noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.
- (2B1-2) The Registered Operator must not permit putrescible waste to be stored on site overnight or during times when the landfill is not open for the receipt of waste, without that waste being stored in a fully enclosed container or other device that prevents odour nuisance and which prevents contact with rainfall and stormwater runoff

Dust Nuisance

- (2B2-1) The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.
- (2B2-2) In the event of a complaint to the administering authority that is not considered to be frivolous or vexatious, and at the request of the administering authority, you must undertake dust and particulate monitoring to investigate environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of the monitoring. Monitoring must include:
- (v) for a complaint alleging dust nuisance, dust deposition; and
 - (vi) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time; and
 - (vii) be carried out in at a place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

Dust Control – Trafficable areas

- (2B3-1) Trafficable areas associated with the approved activity must be developed and maintained to prevent the release of wind blown or traffic generated dust.

END OF CONDITIONS FOR SCHEDULE 2B**Schedule 2C - Land****Prevent contaminant release to land**

- (2C1-1) Contaminants released to land at the site must only be released to land in accordance with conditions relating to ERA 60 – Landfill Operations, for the site as per Schedule 1A to 1H.
- (2C1-2) Spillage of all chemicals and fuels must be captured and contained within a dedicated containment system for the Transfer Station.

(Note: All petroleum product storages must be designed, constructed and maintained in accordance with AS1940 – Storage and Handling of flammable and combustible liquids.)

- (2C1-3) All bunding must be maintained to ensure it remains impermeable to the materials held within the bund
- (2C1-4) All bunded areas must be roofed, with the exception of green waste storage areas.
- (2C1-5) All bunded areas must be maintained free from gaps and cracks.
- (2C1-6) Chemicals or fuels captured in any dedicated Transfer Station containment system must not be released to the landfill at the subject site in liquid form.

END OF CONDITIONS FOR SCHEDULE 2C

Schedule 2D – Noise

- (2D1-1) Noise from the approved activity must not cause a nuisance at any nuisance sensitive or commercial premises.
- (2D1-2) Mulching of green waste is not permitted at the site.
- (2D1-3) Crushing, milling or grinding of concrete waste is not permitted at the site.
- (2D1-4) **Scrap metal collection** must only occur inside the Transfer Station structure.
- (2D1-5) Vehicle movements within the approved premises must be actively and passively managed to regulate speeds to 40km/hr or less along internal roads. Measures used to achieve compliance with this condition must not include speed bumps, and should otherwise provide for steady vehicle movements along access and exit roads.
- (2D1-6) The roof and walls of the Transfer Station (excluding lower concrete sections to 2.5m) must be constructed of, and / or lined with material that achieves a **Noise Reduction Coefficient** of at least 0.92, and an Rw rating of 39 (for the roof) and an Rw rating of 31 (for walls excluding lower concrete sections to 2.5m).
- (2D1-7) The roof and walls of the Transfer Station must be constructed to ensure open gaps are prevented, with the exception for necessary ventilation requirements, which must be acoustically designed (eg using acoustic louvres) to minimise noise emanating from the Transfer Station structure.
- (2D1-8) Acoustic barriers must;
 - be installed around any waste truck loading area, as per Schedule 2H Figure 1;
 - be installed to a height of at least 5.0m extending from the designed roller doors at the North Western and North Eastern corner of the Transfer Station, as per Schedule 2H Figure 1;
 - be installed to a height of 2.4m at the Bonnick Road Boundary, as per Schedule 2H Figure 2;
 - be continuous with no air gaps and be constructed of material with a minimum mass density of at least 12kg/m² or achieve an Rw of at least 20
- (2D1-9) Prior to the commissioning of the Transfer Station, the facility must be physically assessed by a person with appropriate noise mitigation qualifications and experience, verifying by way of a written report, that measures required to comply with conditions (2D1-6) through (2D1-8) have been installed.
- (2D1-10) A copy of the written report required by Condition (2D1-9) of this Development Approval must be provided to the Administering Authority prior to the commissioning of the Transfer Station.
- (2D1-11) In the event of a complaint about noise emissions from the Transfer Station that the administering authority does not consider to be frivolous or vexatious, and which cannot otherwise be resolved through negotiation, at the request of the Administering Authority the Registered Operator must conduct noise monitoring of emissions from the approved activity in the vicinity of the closest nuisance sensitive or commercial place.
- (2D1-12) In the event noise monitoring is required by the Administering Authority, noise from the approved activity must not exceed the levels specified in Schedule D - Table 1 at any nuisance sensitive place or commercial place.

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Schedule D – Table 1 (Noise Levels)

Time Period	Proponent Noise level at a 'Nuisance Sensitive Place' measured as the $L_{A,eq\ adj\ 1hr}$
7am - 5pm	44 dB(A) or background noise level plus 3 dB(A), whichever is the higher
Time Period	Noise level at a 'Commercial place' measured as the $L_{A,eq\ adj\ 1hr}$
7am - 5pm	55 dB(A) or background noise level plus 5 dB(A), whichever is the greater

- (2D1-13) No audible noise from the Transfer Station is authorised (including noise from the use of vehicles accessing the site, and plant and equipment within the site) between the hours 5:00pm to 7:00am Monday to Friday, and 4:00pm to 9:00am Saturday and Sunday.

Noise Monitoring

- (2D2-1) In the event of a complaint to the administering authority that is not considered to be frivolous or vexatious, and at the request of the administering authority, noise monitoring must be undertaken to investigate a complaint of noise nuisance within 14 days, and the results notified to the administering authority once received from any external consultant. Monitoring must include:
- background noise level;
 - $L_{Aeq, adjT}$, $L_{Amax, adj, T}$, $L_{A10, adjT}$
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors such as traffic noise; and
 - location, date and time of recording.
- (2D2-2) The method of measurement and reporting of noise levels must comply with the Noise Measurement Manual.

Noise Management Plan

- (2D3-1) In the event noise emissions from the approved activity exceeds noise limits prescribed by Condition (2D1-12) you must, develop a noise management plan to assist resolve the complaint. The noise management plan must address at least, but not be limited to, the following matters:
- (viii) identification of component noise sources and activities at the place(s) which impact on nuisance sensitive or commercial places;
 - (ix) the measured level of these noise sources and activities at nuisance sensitive or commercial places;
 - (x) the control or abatement measures necessary to reduce noise nuisance at nuisance sensitive or commercial places;
 - (xi) the predicted reduction in noise at nuisance sensitive or commercial places by implementing these measures;
 - (xii) time frame for completion of the work proposed;
 - (xiii) any necessary community liaison and consultation; and
 - (xiv) any training requirements for staff in noise reduction practices.
- (2D3-2) A draft Noise Management Plan must be submitted to the Administering Authority for review and comment within one month of a noise emission that exceeds limits prescribed by Condition (2D1-12).
- (2D3-3) After the Administering Authority has commented on the draft Noise Management Plan, the Registered Operator must have due regard to any comments made by the administering authority, and must implement the plan as soon as practical.

END OF CONDITIONS FOR SCHEDULE 2D

Schedule 2E - Social

Complaint Response

- (2E1-1) The Registered Operator must record the following details for all complaints received and provide this information to the administering authority on request:

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- a) Time, date and contact details of the complainant;
- b) Reasons for the complaint;
- c) Any investigations undertaken;
- d) Conclusions formed; and
- e) Actions taken to resolve the complaint.

END OF CONDITIONS FOR SCHEDULE 2E

Schedule 2F - Waste

Waste composition

- (2F1-1) Only the following waste materials are permitted to be accepted through the Transfer Station:
- a) Construction and demolition waste (C&D);
 - b) Commercial and industrial waste (C&I)
 - c) Municipal Solid Waste (MSW); and
 - d) Limited Regulated Waste.
- (2F1-2) Regulated waste received at the Transfer Station must not be disposed to the landfill at the subject site.

Waste Records

- (2F2-1) A record of all regulated waste must be kept detailing the following information:
- a) date of pickup of waste
 - b) description of waste
 - c) Quantity of waste;
 - d) Origin of waste; and
 - e) Destination of the waste.

END OF CONDITIONS FOR SCHEDULE 2F

Schedule 2G – Water

Release to Waters

- (2G1-1) Contaminants must not be released from the Transfer Station to any waters or the bed or banks of any waters.
- (2G1-2) There must be no release of stormwater runoff that has been in contact with any contaminants at the Transfer Station to any waters, roadside gutter or stormwater drain

Erosion Protection Measures and Sediment Controls

- (2G2-1) Erosion protection measures and sediment control measures must be designed, installed and maintained wherever necessary to minimise erosion or disturbed areas and prevent the release of sediment to waters.

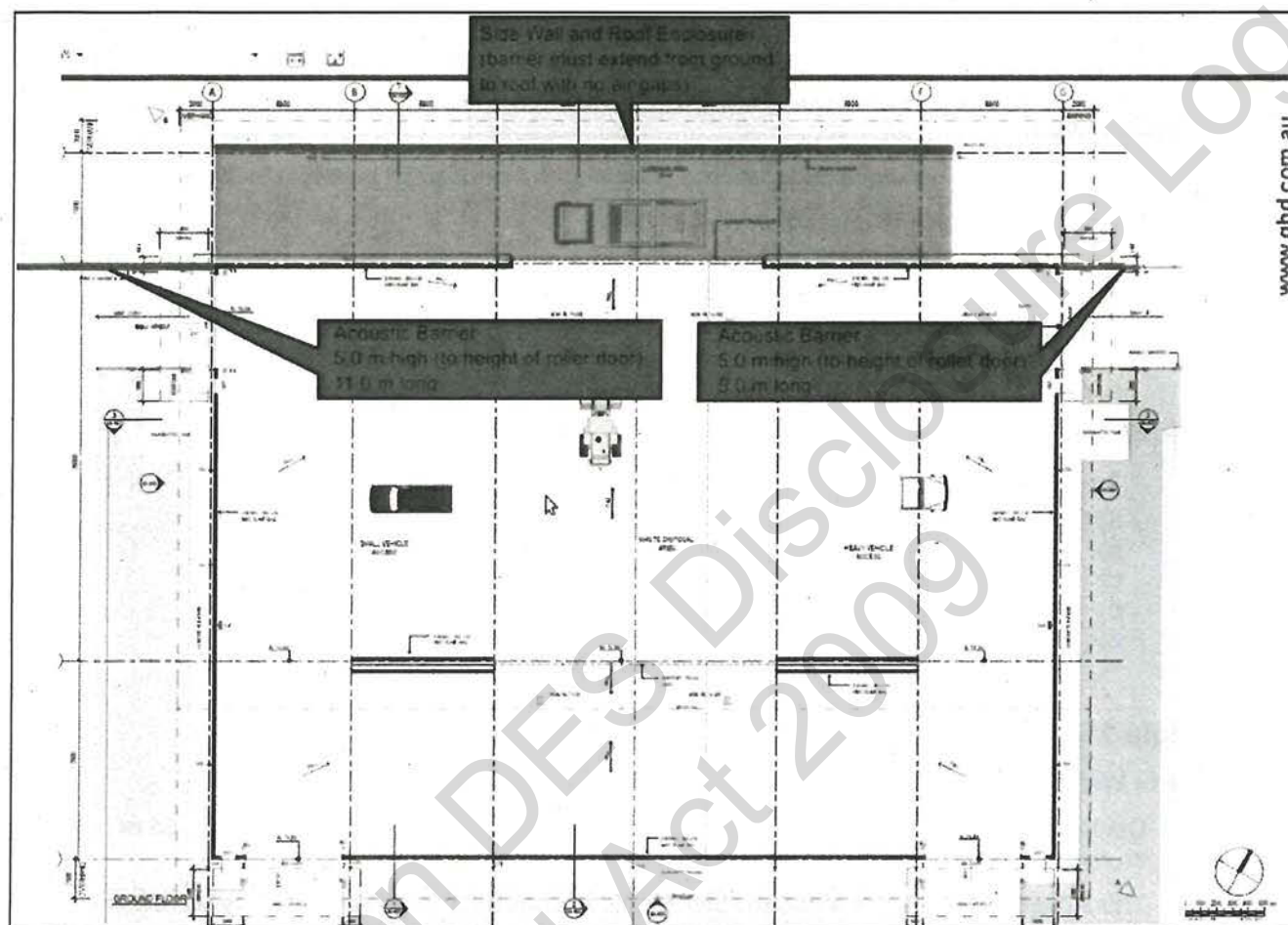
Cleaning and spillages

- (2G3-1) The maintenance and cleaning of any vehicles, other equipment or plant must be carried out in areas where contaminants cannot be released into any waters, roadside gutter or stormwater drain.

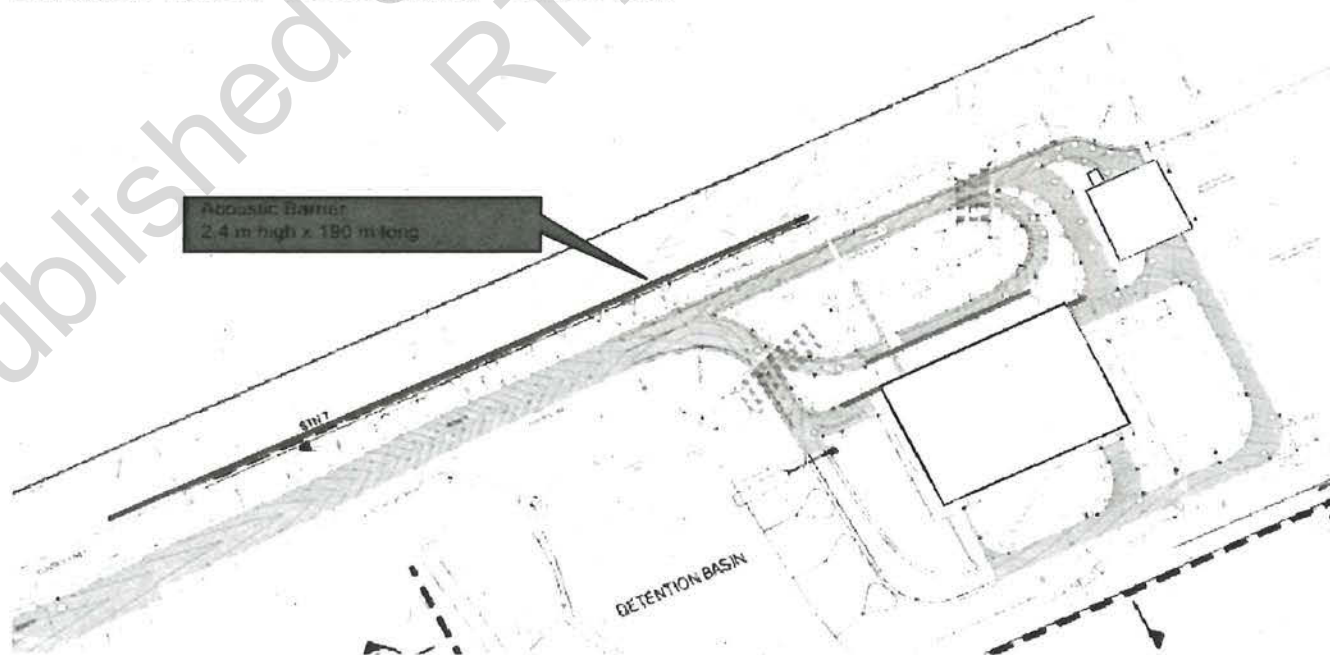
END OF CONDITIONS FOR SCHEDULE 2G

Schedule 2H – Maps / Figures

Figure 1 – Acoustic Barriers – Transfer Station structure



Schedule H Figure 2 – Acoustic Barrier – Bonnick Road



END OF CONDITIONS

Schedule H - Definitions

Words and phrases used throughout this licence or development approval are defined below:

Where a definition for a term used in this approval is sought and the term is not defined within this approval the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

- (H1) **"administering authority"** means the Environmental Protection Agency or its successor.
- (H2) **"you"** means the Registered Operator or owner / occupier of the land which is the subject of this Development Approval.
- (H3) **"site"** means the place to which this environmental authority relates or the premises to which this development approval relates.
- (H4) **"authorised place"** means the place authorised under this environmental authority/development approval for the carrying out of the specified environmentally relevant activities.
- (H5) **"this authority"** means this environmental authority/development approval.
- (H6) **"authority"** means level 1 licence (without development approval), or level 1 approval (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994*.
- (H7) **"approval"** means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*.
- (H8) **"annual return"** means the annual return for the licence (with development approval) issued under the *Environmental Protection Act 1994* for this development.
- (H9) **"dwelling"** means any of the following structures or vehicles that is principally used as a residence –
- a house, unit, motel, nursing home or other building or part of a building;
 - a caravan, mobile home or other vehicle or structure on land;
 - a water craft in a marina.
- (H10) **"Disturbed Areas"** means land disturbed but not yet fully rehabilitated at the site, and includes areas used for land filling (*excluding* areas of exposed waste or any active waste disposal face), access roads (sealed and unsealed) and storage or stockpile areas.
- (H11) **"noxious"** means harmful or injurious to health or physical well being.
- (H12) **"offensive"** means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.
- (H13) **"nuisance sensitive place"** includes –
- dwellings such as houses, units, motels, resort accommodation, nursing homes, caravans and mobile homes (provided they are principally used as residences), and including the curtilage of any such places;
 - a surgery or other medical institution;
 - library, childcare centres, kindergartens, schools or other educational institutions;
 - a park or garden that is open to the public;
 - a protected area, or an area identified under a conservation plan as a critical habitat or area of major interest, under the Nature Conservation Act 1992;
 - a Marine Park under the Marine Parks Act 1992
- (H14) **"Noise Reduction Coefficient"** (NRC) means means the *arithmetic average of the sound absorption coefficients* at frequencies 250, 500, 1000 and 2000 Hz.
- (H15) **" $L_{aeq,adj,T}$ "** means an A-weighted sound pressure level of a continuous steady sound, adjusted for tonal character, that within a 1 hour period has the same mean square sound pressure of a sound that varies with time.
- (H16) **" $L_{A 10, adj, 10 mins}$ "** means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast

response.

- (H17) "**L_A 1, adj, 10 mins**" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.
- (H18) "**L_A, max adj, 10 mins**" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.
- (H19) "**commercial place**" means a place used as an office or for business for commercial purposes.
- (H20) "**Scrap Metal Collection**" means collection of scrap metal, using an excavator or other heavy machinery to load storage bins or trucks, for removal from the site.
- (H21) "**intrusive noise**" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –

- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

- (H22) "**Independent Person**" means a person or entity not directly employed by the Registered Operator or owner / occupier of the land which is the subject of this development approval. An Independent person may be a person providing consulting advice to the Registered Operator for fee or reward.
- (H23) "**waters**" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, or any part thereof.
- (H24) "**land**" in the "land schedule" of this document means land excluding waters and the atmosphere.
- (H25) "**mg/L**" means milligrams per litre.
- (H26) "**leachate**" means a liquid that has passed through or emerged from, or is likely to have passed through or emerged from, a material stored, processed or disposed of at the licensed place which contains soluble, suspended or miscible contaminants likely to have been derived from the said material.
- (H27) "**geotechnical stability of the landfill unit**" means a situation where instability related to the excessive settlement and subsidence caused by decomposition and consolidation of the wastes deposited in the landfill unit, and sliding instability of the unit slope has ceased.
- (H28) "**background noise level**" means either:
 LA90, T being the A-weighted sound pressure level exceeded for 90 percent of the time period not less than 15 minutes, using Fast response, or
 Labg, T being the A-weighted sound pressure level obtained using Fast response and arithmetically averaging the lowest levels of the ambient sound pressure level during a representative time period of not less than 15 minutes.
- (H29) "**landfill facility**" means all contiguous land and structures, other appurtenances, and improvements on the land used or associated with the disposal of waste.
- (H30) "**lower explosive limit**" means the lowest percent by volume of a mixture of explosive gases in air that will propagate a flame at 25°C and atmospheric pressure.
- (H31) "**special burial of waste**" means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hole, and immediately covers it with earth or other waste material.
- (H32) "**uppermost aquifer**" means the geologic formation nearest to the natural ground surface that is an aquifer. The term includes any aquifers that are likely to be hydraulically interconnected with this aquifer within the landfill facility property boundary.
- (H33) "**Special Burial of waste**" means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hold, and immediately covers that waste

with earth or other waste material.

- (H34) **“statistically significant”** means when a difference between groups of data is sufficient for a statistical test to reject the *null hypothesis*. For example, a requirement for a statistical test is that you have a minimum of two hypotheses, the null hypothesis and one or more alternative hypotheses. If you have data from two groups of bores (say A = background values and B = values at locations hydraulically down gradient of the landfill unit), and you wish to test whether A is different from B, *the null hypothesis* would be that A and B are from the same population (no significant difference). After performing the statistical test, you will either accept or reject the null hypothesis.
- (H35) **“liquid or semi-liquid waste”** means a waste which failed the paint filter liquid test described in the document SW-846 ‘Test Methods for Evaluation of Solid Wastes Physical/Chemical Methods’ published by the United States Environmental Protection Agency; Revision 5; April 1998 or updated version thereof.
- (H36) **“ignitable, corrosive, reactive or toxic materials”** are materials as defined in the Queensland Government Environmental Protection Agency ‘ERA 75: Guideline on landfill siting, design, operation and rehabilitation’; 2002.
- (H37) **“RL”** means height in metres above mean sea level
- (H38) **“recycling landfill diversion rate”** means a calculated figure using the following formula:
- $$\frac{\text{tonnes of recycle}}{\text{total tonnes of potential recycle}} \times 100$$
- (H39) **“Monitoring and Sampling Manual”** means the following documents or more recent additions or supplements to that document as such become available:
- Monitoring and Sampling Manual 2009 Environmental Protection (Water) Policy 2009**
Version 2 September 2010
- (H40) **“Noise Measurement Manual”** means the following document or more recent additions or supplements to that document as such become available:
- Environmental Protection Agency. (2000). *Noise Measurement Manual Third Edition*, Environmental Protection Agency, Brisbane, Australia.
- (H41) **“Air Quality Sampling Manual”** means the following document or more recent additions or supplements to that document as such become available:
- Department of Environment. (1997). *Air Quality Sampling Manual*, Department of Environment, Brisbane Australia.

END OF DEFINITIONS FOR SCHEDULE – H

END OF CONDITIONS

Karle Matt

From: Karle Matt
Sent: Wednesday, 4 January 2012 2:43 PM
To: 'ian.wolff@gympie.qld.gov.au'
Subject: Bonnick Road

Hello Ian,

Thanks for your call earlier today. For clarity, the following confirms our discussion:

1. DERM provided some Draft conditions relating to the Bonnick Road landfill application to GRC in December 2011.
2. The draft conditions proposed to refuse the transfer station and approve the landfill subject to conditions (a part approval under SPA 2009).
3. DERM seeks comment from GRC regarding those draft conditions.
4. DERM has since received additional supporting information from GRC for the transfer station.
5. DERM will assess the information submitted relating to the transfer station as a priority.
6. DERM will provide a draft of any conditions proposed.
7. Timing will dictate, but it would be preferable for DERM to receive comments from GRC about the draft landfill conditions asap and prior to any additional or final draft conditions (which may include both the landfill and the transfer station) being provided to GRC for final comment.
8. The current decision due date is 31st January 2012. Where further consultation is required between parties, DERM will be agreeable to an extension of the decision making period if necessary and / or desired by GRC.

Hopefully you concur with the above summary?

Regards

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Karle Matt

From: Karle Matt
Sent: Thursday, 5 January 2012 11:05 AM
To: 'ian.wolff@gympie.qld.gov.au'
Cc: CTPI 49-Sch4-N@ane.com.au'
Subject: Bonnick Road ANE noise report - addendum
Attachments: 2298addendumreport02 (2).pdf

Hello Ian,

I have been reviewing the ANE addendum report emailed to DERM on 23rd December 2011.

2 preliminary matters that I raise are as follows:

1. In the addendum report, the noise modelling diagram predicts noise levels at 5.0m above ground, whereas the previous submission was modelled at 2.0m above ground. Is the reason for this change in modelling height due to proposed noise barrier heights, or some other less obvious reason?
2. The addendum report does not address DERM's concerns about Phase 1 of the proposal (the operation of both the landfill AND the transfer station). Instead, the addendum report seems to relate only to Phase 2 of the project (operation of the Transfer Station only). Although the addendum report suggests compliance with noise criteria for the transfer station, there is no assessment of compliance during Phase 1 of the project. As the landfill extension may remain in operation for 8 or more years, DERM remains concerned about unreasonable noise impacts during Phase 1. Has ANE predicted noise levels for Phase 1 of the project (landfill AND transfer station) now the additional noise reduction is proposed for the transfer station?

I have Cc'd this email to ANE noise consultant CTPI 49-Sch4- for his reference and advice back to you if required.

Regards

Matt Karle

Karle Matt

From: Yoshino Toshi
Sent: Thursday, 5 January 2012 3:17 PM
To: Karle Matt
Subject: RE: Adding Noise sources

B&K spends a fortune on sound research and I reference their stuff quite often.
 I'm assuming it's a good enough reference to use... I used it in a uni assignment and it wasn't questioned at all.

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090

E-mail: toshi.yoshino@derm.qld.gov.au

Environmental Services- Logan Scenic Rim Redlands

Department of Environment and Resource Management

www.derm.qld.gov.au

Department of Environment and Resource Management

Corner Main and Vulture Streets, Woolloongabba Q

PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Thursday, 5 January 2012 3:13 PM
To: Yoshino Toshi
Subject: RE: Adding Noise sources

Yeah – the first page prompted me to do some research on power and pressure.

I see that booklet you attached to your email is from B&K. Given we pay a fortune for their SLM's, I guess it's a reputable reference?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)

Environmental Services North

South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi
Sent: Thursday, 5 January 2012 3:11 PM
To: Karle Matt
Subject: RE: Adding Noise sources

I think they have sound power and sound pressure the other way around.
 Doubling "power" is 6dB. The resulting "pressure" is 3 dB.

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090

E-mail: toshi.yoshino@derm.qld.gov.au

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From: Karle Matt
Sent: Thursday, 5 January 2012 3:05 PM
To: Yoshino Toshi
Subject: RE: Adding Noise sources

Thanks mate – links below. Reputability of the sites is probably questionable, but I liked the one that you simply enter the SPL and it tells you the expected overall noise.

http://www.engineeringtoolbox.com/adding-decibel-d_63.html

***scroll down to heading "adding Equal Sound Pressure Levels Calculator. If you enter 44dB(A) for 2 sources, it suggests SPL DB(A) is 50.

http://www.acousticalsurfaces.com/acoustic_IOI/101_12.htm

***** if the 2 decibels differ by -dB(A), then its in the 0-1d(B)A – you only add 3 to the higher value, gives an answer of 47dB(A), which concurs with your answer.

Matt Karle
 Principal Environmental Officer (Wide Bay Burnett)
 Environmental Services North
 South East Region
Department of Environment and Resource Management
 Ph: (07) 4121 1618
Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi
Sent: Thursday, 5 January 2012 2:58 PM
To: Karle Matt
Subject: RE: Adding Noise sources

Hi Matt,

Happy New Year.

If there are two sources with 44dB, I would say it should add up to 47dB. There is a reference to it on Page 11-12 of the book I attached.

What does the differing info you got?

Toshi YOSHINO
 Senior Environmental Officer
 Ph: (07) 3896 3090
 E-mail: toshi.yoshino@derm.qld.gov.au
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 PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Thursday, 5 January 2012 2:52 PM



To: Yoshino Toshi
Subject: Adding Noise sources

Hey Toshi,

Happy New Year!

A quick question for you. I've been doing some reading on the net and get some differing info regarding adding two noise sources together.

If I have 2 noise sources both emitting 44dB(A), what is the combined total dB(A)? What reference info do you refer to?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Karle Matt

From: Yoshino Toshi
Sent: Thursday, 5 January 2012 2:58 PM
To: Karle Matt
Subject: RE: Adding Noise sources
Attachments: EnvironmentalNoiseBooklet_English.pdf

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South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Karle Matt

From: [CTPI 49-Sch4-Name]@ageconsultants.com.au
Sent: Monday, 5 July 2010 1:10 PM
To: robsonandassociates@flexinet.com.au
Cc: Michael Grant; [CTPI 49-Sch4-Name]
Subject: RE: [Fwd: FW: FW: T5 testing with A29]

Attachments: Summary of Perrochet and Musy Estimates.xls; Header



Summary of
errochet and Musy .



Header (3 KB)

Greg,

I've done some basic calcs of groundwater seepage to a single drain of 100m in length running under the base of the proposed new cell landfill.

I have assumed there is a head of 0.6m above the drain level and the aquifer is 15m in thickness.

The estimated flow rate to the single drain for a range of different permeabilities is shown in the attached table. The drawdown for the length of drain is also shown.

The attached chart shows the estimated seepage rates are low and the drainage products you are proposing to use can handle the flows easily.

Regarding the drain spacing you can see from the chart that as the permeability reduces, so does the drawdown zone created by the drain. Therefore selecting the drain line spacing is a bit more uncertain.

Assuming an average hydraulic conductivity of 1×10^{-7} m/sec you would need the drains at about 18m centres.

Where would you like me to go from here? I can write this up in a memo if you wish.

regs

[CTPI 49-]

-----Original Message-----

From: robsonandassociates@flexinet.com.au
[mailto:robsonandassociates@flexinet.com.au]
Sent: Tuesday, 29 June 2010 11:31 AM
To: [CTPI 49-Sch4-Name]
Cc: Vince Reitano
Subject: [Fwd: FW: FW: T5 testing with A29]

[CTPI 49-Sch4-Name]

Please find attached email from [CTPI 49-Sch4-Name] (Geofabrics) for your information.

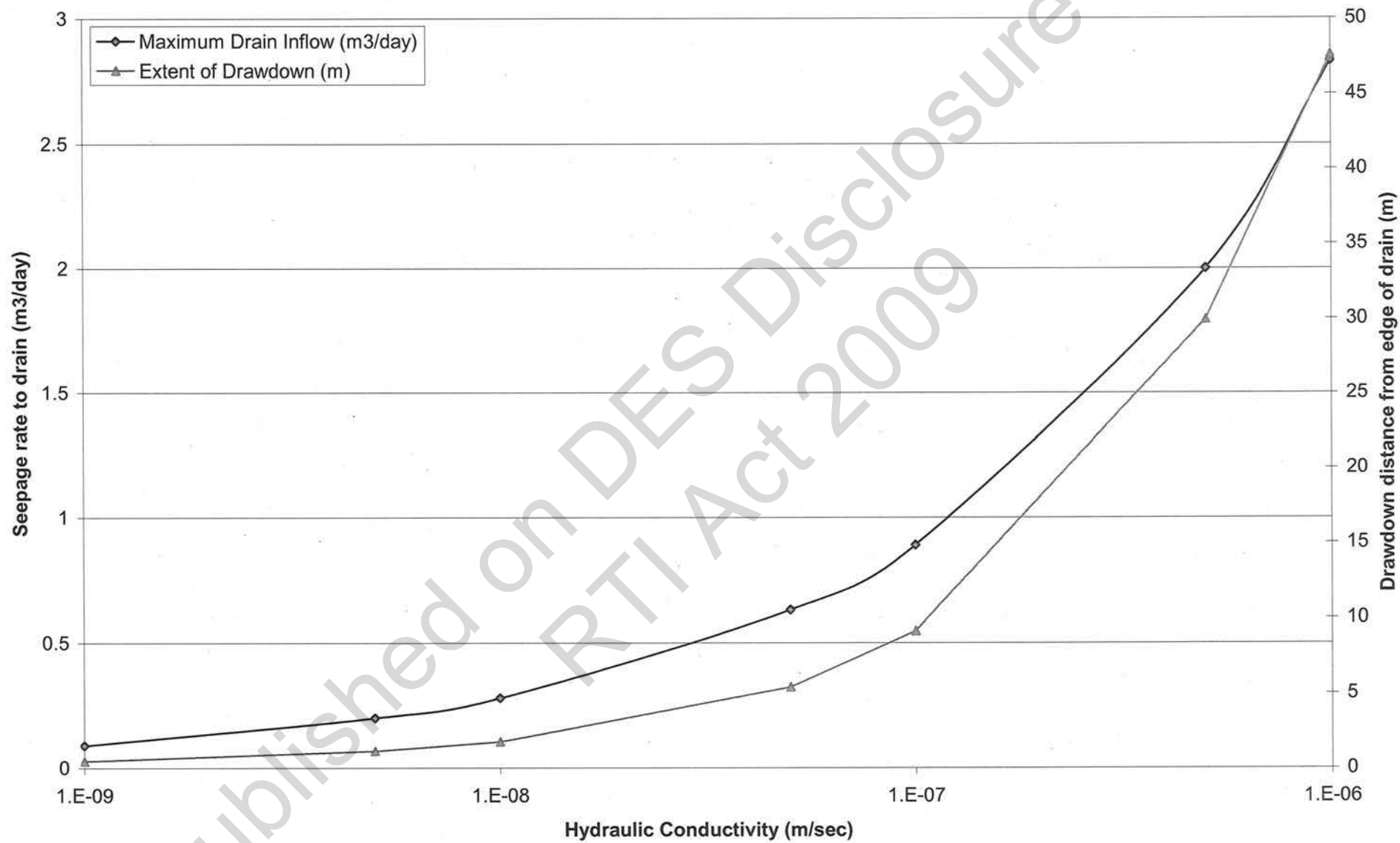
Regards,

[CTPI 49]

=====

Email scanned by PC Tools - No viruses or spyware found.
(Email Guard: 7.0.0.18, Virus/Spyware Database: 6.15350) <http://www.pctools.com/>

=====



Karle Matt

From: Michael Grant [Michael.Grant@gympie.qld.gov.au]
Sent: Monday, 5 December 2011 1:25 PM
To: Karle Matt
Cc: Ian Wolff
Subject: Re: Bonnick Road Landfill

Matt,
 that would be great, Ian will be away and needs to review draft conditions. Please email conditions to both myself and Ian. Thanks

Michael Grant
 Director of Community Services
 Gympie Regional Council
 (07) 5481 0611
 >>> "Karl Matt" <Matt.Karle@derm.qld.gov.au> 5/12/2011 11:21 AM >>>
 Hello Michael,

A quick update for you. I am working on draft conditions for the Bonnick Road Landfill. It has been the focus of my assessment work for some time, and has required collating advice from various areas within the Department about design details and noise emissions from the proposal landfill extension.

I hope to have a draft to you this week (hopefully by Wednesday), as I recall you saying Ian was on leave from end of this week.

Regards

Matt Karle
 Principal Environmental Officer (Wide Bay Burnett)
 Environmental Services North
 South East Region
Department of Environment and Resource Management
 Ph: (07) 4121 1618
Email: matt.karle@derm.qld.gov.au

+-----+

Think B4U Print

1 ream of paper = 6% of a tree and 5.4kg CO2 in the atmosphere

3 sheets of A4 paper = 1 litre of water

+-----+

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Published on DES Disclosure Log
RTI Act 2009

Karle Matt

From: Oakley Richard
Sent: Monday, 5 December 2011 12:06 PM
To: Karle Matt
Cc: Ameer Omar
Subject: RE: draft conditions for depressurisation system
Attachments: Groundwater Matt 5 December .doc

Matt

Sorry I didn't get back to you earlier, a few suggestions and changes only
 Note, I am working on the basis that these are in relation to the GW depress system only and are not part of any standard GW monitoring plan and conditions that will also be included elsewhere
 Happy to discuss as needs, call if you wish

regards

Richard Oakley

Strategic Compliance
 Environmental Performance and Coordination
 Environment and Natural Resource Regulation, DERM
Telephone: CTPI 49-Sch4-Sign
Facsimile: 07 3381 7560
 email richard.oakley@derm.qld.gov.au
 www.derm.qld.gov.au

From: Karle Matt
Sent: Friday, 2 December 2011 11:20 AM
To: Oakley Richard
Subject: draft conditions for depressurisation system

Groundwater

- (1CXX) Waste must not be deposited within 2m of underlying groundwater.
- (1CXX) Groundwater which may exist beneath the landfill extension must be actively managed using a depressurisation system, to ensure fluctuations in the standing level of groundwater does affect the integrity of the liner for the Landfill Extension.
- (1CXX) The groundwater depressurisation system must be designed and installed by a suitably qualified and experienced person.
- (1CXX) The groundwater depressurisation system must provide an access point for monitoring and sample collection
- (1CXX) The groundwater depressurisation system must also provide leak detection to the landfill for the life of the landfill. Monitoring of any liquid collected in the depressurisation system that reports to the designated access point must be monitored for the characteristics and at the monitoring frequency prescribed in Schedule C Table 2.
- (1CXX) Any liquid collected by the depressurisation system must not be released to Peter and Paul Gully.

Schedule C - Table 2 Monitoring requirements for Groundwater Depressurisation syste,

Quality Characteristic	Monitoring Frequency
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Matt Karle

Principal Environmental Officer (Wide Bay Burnett)

Environmental Services North

South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

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Groundwater

- (1CXX) Waste must not be deposited within 2m of underlying groundwater.
- (1CXX) Groundwater levels beneath the Landfill Extension must not adversely impact on the integrity or performance of the containment liner for the Landfill Extension.
- (1CXX) A groundwater depressurisation system to maintain compliance with condition XXXX and XXXX must be designed, installed and operational prior to the deposit of any waste in the Landfill Extension.
- (1CXX) the groundwater depressurisation system referred to in condition XXXX must be:
- Designed and approved as acceptable by a suitably qualified, experienced and independent person that person being approved by the administering authority.
 - Certified as being constructed as per the design.
 - Monitored and maintained as necessary to ensure compliance with conditions XXXX.
- (1CXX) The groundwater depressurisation system must also provide leak detection to the landfill for the life of the landfill.
- (1CXX) The groundwater depressurisation system must be designed and constructed to provide an access point/s that allows for monitoring and sample collection representative of the entire groundwater depressurisation system
- (1CXX) A sample of liquid representative of the any liquid collected in the depressurisation system must be monitored for the characteristics and at the monitoring frequency prescribed in Schedule C Table 2.
- (1CXX) Any liquid collected by the depressurisation system must not be released to Peter and Paul Gully.

Comment [s1]: Note these are in relation to the Depressurisation system only and Not the general GW or leachate monitoring plan requirements

Comment [s2]: How are you going to define life

Comment [s3]: Have they said how they intend to monitor and from where

Comment [s4]: have they said or what are we expecting them to do with it when it arises

Schedule C - Table 2 Monitoring requirements for Groundwater Depressurisation system,

Quality Characteristic	Monitoring Frequency
Water Level	Monthly
Temperature	Quarterly
pH	Quarterly
Redox - Eh	Quarterly
Electrical Conductivity - EC	Quarterly
Ammoniacal Nitrogen NH ₄ -N	Quarterly
Total Oxidised Nitrogen (TON)	Quarterly
Total Organic Carbon (TOC)	Quarterly
Total Organic Halogen (TOX)	Quarterly
Biological Oxygen Demand (BOD)	Quarterly
Chemical Oxygen Demand (COD)	Quarterly
Ca	Quarterly
Mg	Quarterly
Na	Quarterly
K	Quarterly
Alkalinity (CaCO ₃)	Quarterly
Sulphate (SO ₄)	Quarterly
Chloride (Cl)	Quarterly
Fe	Quarterly

Comment [s5]: suggested as a minimum for the GW system sample/samples

Mn	Quarterly
Cd	Quarterly
Cr	Quarterly
Cu	Quarterly
Ni	Quarterly
Pb	Quarterly

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RTI Act 2009

Karle Matt

From: Oakley Richard
Sent: Monday, 5 December 2011 3:57 PM
To: Karle Matt
Cc: Ameer Omar
Subject: RE: draft conditions for depressurisation system

Matt

As per chat, my thoughts

Re comments in your attachment:

1. There are a suite of other groundwater conditions Knew and thought there would be
2. Acknowledged – will amend, suggests only, include a condition regards monitoring and recording the dates /times and volumes of liquid removed from the system
3. There will be a sump in the depressurisation system which can double as a sampling point.- will sampling be possible or will it be via the sump pump itself. If so there is the risk of sample contamination,
4. They haven't said how they will dispose of groundwater entrained in the depressurisation system .I note though that it does have elevated conductivity vs surface water. Whilst I expect they will discharge to sewer, I guess it will be for them to comment on when they get the draft. That's fine you make it clear there is no discharge to the Gully
5. **Re: the sampling proposed from the system - is such an extensive suite of monitoring necessary? I had a list of what I considered good indicator parameters, elevation of any of which could be used to trigger further investigation. An extensive list of monitoring to be costed out on a quarterly basis seems a bit excessive? Your thoughts? Fair point, you may wish to use the full list I gave for the purposes of Characterisation of collected waters say the first two quarters and then annually thereafter, with perhaps quarterly indicator parameters a reduced list of ; Water level, Temp. pH , EC, NH4-H, TON, TOC, COD, CL to flag as potential leachate contamination.**

regards

Richard Oakley

Strategic Compliance
 Environmental Performance and Coordination
 Environment and Natural Resource Regulation, DERM

Telephone: [CTPI 49-Sch4-Mol](tel:0733817560)

Facsimile: 07 3381 7560

email richard.oakley@derm.qld.gov.au

www.derm.qld.gov.au

From: Karle Matt
Sent: Monday, 5 December 2011 1:18 PM
To: Oakley Richard
Subject: RE: draft conditions for depressurisation system

Thanks for the comments Richard:

Re the comments in your attachment:

6. There are a suite of other groundwater conditions
7. Acknowledged – will amend
8. There will be a sump in the depressurisation system which can double as a sampling point.
9. They haven't said how they will dispose of groundwater entrained in the depressurisation system .I note though that it does have elevated conductivity vs surface water. Whilst I

expect they will discharge to sewer, I guess it will be for them to comment on when they get the draft.

10. **Re: the sampling proposed from the system - is such an extensive suite of monitoring necessary?** I had a list of what I considered good indicator parameters, elevation of any of which could be used to trigger further investigation. An extensive list of monitoring to be costed out on a quarterly basis seems a bit excessive? Your thoughts?

Regards

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: Oakley Richard

Sent: Monday, 5 December 2011 12:06 PM

To: Karle Matt

Cc: Ameer Omar

Subject: RE: draft conditions for depressurisation system

Matt

Sorry I didn't get back to you earlier, a few suggestions and changes only
Note, I am working on the basis that these are in relation to the GW depress system only and are not part of any standard GW monitoring plan and conditions that will also be included elsewhere
Happy to discuss as needs, call if you wish

regards

Richard Oakley

Strategic Compliance

Environmental Performance and Coordination

Environment and Natural Resource Regulation, DERM

Telephone: CTPI 49-Sch4-M

Facsimile: 07 3381 7560

email richard.oakley@derm.qld.gov.au

www.derm.qld.gov.au

From: Karle Matt

Sent: Friday, 2 December 2011 11:20 AM

To: Oakley Richard

Subject: draft conditions for depressurisation system

Groundwater

- (1CXX) Waste must not be deposited within 2m of underlying groundwater.
- (1CXX) Groundwater which may exist beneath the landfill extension must be actively managed using a depressurisation system, to ensure fluctuations in the standing level of groundwater does affect the integrity of the liner for the Landfill Extension.
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depressurisation system that reports to the designated access point must be monitored for the characteristics and at the monitoring frequency prescribed in Schedule C Table 2.

(1CXX) Any liquid collected by the depressurisation system must not be released to Peter and Paul Gully.

Schedule C - Table 2 Monitoring requirements for Groundwater Depressurisation system,

Quality Characteristic	Monitoring Frequency

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Karle Matt

From: Yoshino Toshi
Sent: Monday, 5 December 2011 3:08 PM
To: Karle Matt
Subject: RE: Noise - still

Sure, that looks good to me.

You will need to add a limit for outside of those hours though (no audible noise?). otherwise it could be taken as we are not setting a limit.

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090

E-mail: toshi.yoshino@derm.qld.gov.au

Environmental Services- Logan Scenic Rim Redlands

Department of Environment and Resource Management

www.derm.qld.gov.au

Department of Environment and Resource Management

Corner Main and Vulture Streets, Woolloongabba Q

PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Monday, 5 December 2011 2:54 PM
To: Yoshino Toshi
Subject: RE: Noise - still

Like this? I would like to have something that reflects if the BG is higher for what ever reason, then the client has the benefit of that higher level.

**Schedule 1D – Table 1
(Noise Levels)**

Time Period	Proponent Noise level at a 'Nuisance Sensitive Place' measured as the $L_{A,eq\ adj\ 1hr}$
7am - 5pm	47 dB(A), or background noise level plus 5 dB(A), whichever is the higher
Time Period	Noise level at a 'Commercial place' measured as the Adjusted Maximum Sound Pressure Level $L_{A,eq\ adj\ T}$
7am - 6pm	50 dB(A) or background noise level plus 10 dB(A), whichever is the greater

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)

Environmental Services North

South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi
Sent: Monday, 5 December 2011 2:51 PM
To: Karle Matt
Subject: RE: Noise - still

Oh, I get what you mean now. I was a little confused because of a chat I had with CTPI 49-S a couple of months ago too.

You are right. We shouldn't be prescribing an ambient level into this.
So the limit will have to be 47dB LAeq as a proponent level.

Ambient LAeq (LAeq without the influence of the source) will have to be subtracted from the measured level in order to assess the source level.
Ambient level fluctuates naturally, so it wouldn't have made sense in the previous method anyway.

Sorry for the mix up.

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090

E-mail: toshi.yoshino@derm.qld.gov.au

Environmental Services- Logan Scenic Rim Redlands

Department of Environment and Resource Management

www.derm.qld.gov.au

Department of Environment and Resource Management

Corner Main and Vulture Streets, Woolloongabba Q

PO Box 2771, Brisbane QLD 4001

From: Karle Matt

Sent: Monday, 5 December 2011 2:44 PM

To: Yoshino Toshi

Subject: RE: Noise - still

Hmmmm. If we are prescribing an ambient + source of 51, then aren't we kinda prescribing a fixed BG level into the number?

If we prescribed BG as a number, that gives the client some certainty.

I'm getting more confused the more I think about it.

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)

Environmental Services North

South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi

Sent: Monday, 5 December 2011 2:41 PM

To: Karle Matt

Subject: RE: Noise - still

Well...

I'm not sure if "prescribing BG" is a legitimate methodology by our department.

It's either should be LAeq 47dB (proponent level) or LAeq 51dB (ambient level+source noise). According to the PFNCG

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090

E-mail: toshi.yoshino@derm.qld.gov.au

Environmental Services- Logan Scenic Rim Redlands

Department of Environment and Resource Management

www.derm.qld.gov.au

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Department of Environment and Resource Management
 Corner Main and Vulture Streets, Woolloongabba Q
 PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Monday, 5 December 2011 2:29 PM
To: Yoshino Toshi
Subject: RE: Noise - still

So would it be simpler for me to prescribe BG as being Leq – 47, and that source is authorised BG +5 – as an Leq?

Matt Karle
 Principal Environmental Officer (Wide Bay Burnett)
 Environmental Services North
 South East Region
Department of Environment and Resource Management
 Ph: (07) 4121 1618
Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi
Sent: Monday, 5 December 2011 2:26 PM
To: Karle Matt
Subject: RE: Noise - still

Oh, okay.
 BG in this setting is 38dB LA90 (from your email earlier in the piece). So the limit will end up being 43dB LAeq.

The level that the PFNCG derives is a level 'the ERA' is allowed to make. So you need to either specify the level is a "proponent level" (measured level minus the environmental LAeq), or you need to set the level at measured level (straight from the meter without adjustment).

At the moment, none of the DAs actually specify this, and thus makes life difficult for the likes of me. It seems the standard interpretation is up to each and every consultant to make. We need to start specifying which it is.

Toshi YOSHINO
 Senior Environmental Officer
 Ph: (07) 3896 3090
 E-mail: toshi.yoshino@derm.qld.gov.au
 Environmental Services- Logan Scenic Rim Redlands
 Department of Environment and Resource Management
www.derm.qld.gov.au
 Department of Environment and Resource Management
 Corner Main and Vulture Streets, Woolloongabba Q
 PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Monday, 5 December 2011 2:19 PM
To: Yoshino Toshi
Subject: RE: Noise - still

OK – PFNCG determines Leq to be 47dB(A). Existing Leq is 49dB (A). Often, conditions prescribe BG plus 5 dB(A). What would be the limit authorised from the site if I prescribed BG plus 5 Laeq?

R

I guess I don't follow why we'd add PFNCG level of 47 and the actual level of 49 in deriving a noise limit for the ERA?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi

Sent: Monday, 5 December 2011 2:15 PM

To: Karle Matt

Subject: RE: Noise - still

Sorry, I don't quite follow what you mean...

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090

E-mail: toshi.yoshino@derm.qld.gov.au

Environmental Services- Logan Scenic Rim Redlands
Department of Environment and Resource Management
www.derm.qld.gov.au

Department of Environment and Resource Management
Corner Main and Vulture Streets, Woolloongabba Q
PO Box 2771, Brisbane QLD 4001

From: Karle Matt

Sent: Monday, 5 December 2011 2:12 PM

To: Yoshino Toshi

Subject: RE: Noise - still

Wouldn't I be better off prescribing an ambient bg of 47, and allowing the client to emit bg plus 5, making it 52?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi

Sent: Monday, 5 December 2011 2:11 PM

To: Karle Matt

Subject: RE: Noise - still

49dB is what the LAeq is currently without the development.
If we allow the new development to make 47dB, the outcome will be 51dB.

Toshi YOSHINO

Senior Environmental Officer

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Ph: (07) 3896 3090

E-mail: toshi.yoshino@derm.qld.gov.au

Environmental Services- Logan Scenic Rim Redlands
Department of Environment and Resource Management
www.derm.qld.gov.au
Department of Environment and Resource Management
Corner Main and Vulture Streets, Woolloongabba Q
PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Monday, 5 December 2011 2:09 PM
To: Yoshino Toshi
Subject: RE: Noise - still

You'll hate me for asking another question Toshi. Sorry.

In the email below, you add the PFNC level of 47 and the actual ambient Leq of 49, and derive 51dB(A). Why did you add the 2 noises together? Isn't one a planning level and one an actual level?

Matt Karle
Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region
Department of Environment and Resource Management
Ph: (07) 4121 1618
Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi
Sent: Friday, 2 December 2011 4:25 PM
To: Karle Matt
Subject: RE: Noise - still

Oops, I left one step out.
Current existing LAeq without source noise is 49dB. Using
algorithmic calculation, 47dB LAeq and 49 existing is 51dB(A).

So the limit of measured level should be set at 51dB(A).

Cheers,

Toshi YOSHINO
Senior Environmental Officer
Ph: (07) 3896 3090
E-mail: toshi.yoshino@derm.qld.gov.au
Environmental Services- Logan Scenic Rim Redlands
Department of Environment and Resource Management
www.derm.qld.gov.au
Department of Environment and Resource Management
Corner Main and Vulture Streets, Woolloongabba Q
PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Friday, 2 December 2011 4:00 PM
To: Yoshino Toshi
Subject: RE: Noise - still

It is a bit of a shocker of a site.....

A landfill exists. They are proposing an extension of the landfill, and a new Transfer Station. We are actually proposing not to approve the transfer station component of the proposal. It is within about 200m of residential homes, which are elevated that looking immediately down on the proposed transfer station. They have not identified all reasonable and practical measures to minimise noise. They are currently working on additional info for us to consider.

Re the landfill extension – it too is approximately 250m from residents at the closest point, but the topography is far more agreeable, and there is a strip of commercial premises in that 250m strip as a kinda separation. Given there is an existing landfill, it makes sense that the impact of landfilling be associated with a site already impacted by landfilling.

What is important, is that we strive to protect amenity, while still having conditions that can be complied with.

It would appear from the consultant report, predicted (not actual) noise emissions from the existing activity at the most affected residents is 53 Leq (1hr). Another report we have here from an objector who engaged his own noise consultants to undertake a noise investigation (which includes source noise) indicates L90 39dB(A), Leq 52dB(A), and L10 54dB(A).

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)
Environmental Services North
South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi

Sent: Friday, 2 December 2011 3:36 PM

To: Karle Matt

Subject: RE: Noise - still

Cool, I had suspected there were an MCU and it wasn't purely a compliance thing.

Planning for noise control guideline does not work when any part of the existing noise environment is higher than the "objectives". It's a flaw that needs to be rectified in the practical application.

For a landfill with a steady state and intermittent noise, I would say a LAeq would capture it well.

What number is appropriate, it is difficult to say. Have you got the current LAeq level of the landfill's emission? I might try and work something out.

Also, what is the nearest receptor and what is in it's surroundings?

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090

E-mail: toshi.yoshino@derm.qld.gov.au

Environmental Services- Logan Scenic Rim Redlands

Department of Environment and Resource Management

www.derm.qld.gov.au

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Department of Environment and Resource Management
 Corner Main and Vulture Streets, Woolloongabba Q
 PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Friday, 2 December 2011 3:24 PM
To: Yoshino Toshi
Subject: RE: Noise - still

Yeah – thanks for the reply Toshi. I tried to make a long story short in my initial email to you which has lead to some confusion. There is an MCU for the landfill – to expand it – hence the reason for the consultant using the planning for noise control guideline. They get a similar level to ambient plus 5.

The existing DA has BG + 5dB(A). I understand LmaxadjT is the statistical average of all peaks from the source noise during time interval T. Given the low BG of 38 during the day, adding 5 to that low number still only gives a low number. I imagine a landfill would struggle to comply with such a low level. I'd also argue its not a fair number if the Leq and L10 of the BG are a fair bit higher.

What conditions have you seen that you think are good / fair / enforceable for an activity with some steady state and some intermittent bangs etc that you'd recommend?

Matt Karle
 Principal Environmental Officer (Wide Bay Burnett)
 Environmental Services North
 South East Region
Department of Environment and Resource Management
 Ph: (07) 4121 1618
Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi
Sent: Friday, 2 December 2011 3:15 PM
To: Karle Matt
Subject: RE: Noise - still

Hi Matt,

Planning for noise control guideline is a tool for DERM to come up with a noise limit in a DA in case of a MCU. It would not apply to an existing ERA, unless they are planning to have a MCU. For an existing ERA, the current DA limits would be the only thing that apply (well, along with all of EPAct etc...). If this DA states "BG +5dB(A) Lmax-adj-T", that is what applies. I have no idea why the consultant is pulling out the planning for noise control guideline.

To work out the Lmax-adj-T, you need to listen to all of the relevant peaks within the measurement period and note the levels. Average these levels statistically, and you get the Lmax-adj-T level.

In the "background survey", there are probably some things in the environment that are raising the LAeq and LA10 (may be cicada, birds and other fauna?). The Lmax would not necessarily end up louder than the LAeq and LA10 in these instances, as it only takes into account the peaks made by the ERA activity and discounts the birds and the bees and the other stuff.

If there is a plan for a MCU and we need to come up with a new

R

L_{Aeq} level, we may need to get crafty with the concept, given existing L_{Aeq} and L_{A10} being very high.

Regards,

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090

E-mail: toshi.yoshino@derm.qld.gov.au

Environmental Services- Logan Scenic Rim Redlands

Department of Environment and Resource Management

www.derm.qld.gov.au

Department of Environment and Resource Management

Corner Main and Vulture Streets, Woolloongabba Q

PO Box 2771, Brisbane QLD 4001

From: Karle Matt

Sent: Friday, 2 December 2011 2:51 PM

To: Yoshino Toshi

Subject: Noise - still

Importance: High

Hi Toshi,

I have a question for you, about a landfill I am dealing with.

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Am I not understanding this properly?

Your thoughts appreciated?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)

Environmental Services North

South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

Karle Matt

From: Yoshino Toshi
Sent: Monday, 5 December 2011 2:51 PM
To: Karle Matt
Subject: RE: Noise - still

Oh, I get what you mean now. I was a little confused because of a chat I had with CTPI 49 a couple of months ago too.

You are right. We shouldn't be prescribing an ambient level into this.
 So the limit will have to be 47dB LAeq as a proponent level.

Ambient LAeq (LAeq without the influence of the source) will have to be subtracted from the measured level in order to assess the source level.
 Ambient level fluctuates naturally, so it wouldn't have made sense in the previous method anyway.

Sorry for the mix up.

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090

E-mail: toshi.yoshino@derm.qld.gov.au

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www.derm.qld.gov.au

Department of Environment and Resource Management

Corner Main and Vulture Streets, Woolloongabba Q

PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Monday, 5 December 2011 2:44 PM
To: Yoshino Toshi
Subject: RE: Noise - still

Hmmmm. If we are prescribing an ambient + source of 51, then aren't we kinda prescribing a fixed BG level into the number?

If we prescribed BG as a number, that gives the client some certainty.

I'm getting more confused the more I think about it.

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So the limit of measured level should be set at 51dB(A).

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What number is appropriate, it is difficult to say. Have you got the current LAeq level of the landfill's emission? I might try and work something out.

Also, what is the nearest receptor and what is in it's surroundings?

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The existing DA has BG + 5dB(A). I understand LmaxadjT is the statistical average of all peaks from the source noise during time interval T. Given the low BG of 38 during the day, adding 5 to that low number still only gives a low number. I imagine a landfill would struggle to comply with such a low level. I'd also argue its not a fair number if the Leq and L10 of the BG are a fair bit higher.

What conditions have you seen that you think are good / fair / enforceable for an activity with some steady state and some intermittent bangs etc that you'd recommend?

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To work out the Lmax-adj-T, you need to listen to all of the relevant peaks within the measurement period and note the levels. Average these levels statistically, and you get the Lmax-adj-T level.

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www.derm.qld.gov.au

Department of Environment and Resource Management

Corner Main and Vulture Streets, Woolloongabba Q

PO Box 2771, Brisbane QLD 4001

From: Karle Matt
Sent: Monday, 5 December 2011 2:19 PM
To: Yoshino Toshi
Subject: RE: Noise - still

OK – PFNCG determines Leq to be 47dB(A). Existing Leq is 49dB(A). Often, conditions prescribe BG plus 5 dB(A). What would be the limit authorised from the site if I prescribed BG plus 5 LAeq?

I guess I don't follow why we'd add PFNCG level of 47 and the actual level of 49 in deriving a noise limit for the ERA?

Matt Karle

Principal Environmental Officer (Wide Bay Burnett)

Environmental Services North

South East Region

Department of Environment and Resource Management

Ph: (07) 4121 1618

Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi
Sent: Monday, 5 December 2011 2:15 PM
To: Karle Matt
Subject: RE: Noise - still

Sorry, I don't quite follow what you mean...

Toshi YOSHINO

Senior Environmental Officer

Ph: (07) 3896 3090



E-mail: toshi.yoshino@derm.qld.gov.au
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From: Karle Matt
Sent: Monday, 5 December 2011 2:12 PM
To: Yoshino Toshi
Subject: RE: Noise - still

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From: Yoshino Toshi
Sent: Monday, 5 December 2011 2:11 PM
To: Karle Matt
Subject: RE: Noise - still

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 If we allow the new development to make 47dB, the outcome will be 51dB.

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From: Karle Matt
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Subject: RE: Noise - still

You'll hate me for asking another question Toshi. Sorry.

In the email below, you add the PFNC level of 47 and the actual ambient Leq of 49, and derive 51dB(A). Why did you add the 2 noises together? Isn't one a planning level and one an actual level?

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 Ph: (07) 4121 1618
 Email: matt.karle@derm.qld.gov.au

From: Yoshino Toshi
Sent: Friday, 2 December 2011 4:25 PM
To: Karle Matt
Subject: RE: Noise - still

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 algorithmic calculation, 47dB LAeq and 49 existing is 51dB(A).

So the limit of measured level should be set at 51dB(A).

Cheers,

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What is important, is that we strive to protect amenity, while still having conditions that can be complied with.

It would appear from the consultant report, predicted (not actual) noise emissions from the existing activity at the most affected residents is 53 Leq (1hr). Another report we have here from an objector who engaged his own noise consultants to undertake a noise investigation (which includes source noise) indicates L90 39dB(A), Leq 52dB(A), and L10 54dB(A).

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To: Karle Matt

Subject: RE: Noise - still

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What number is appropriate, it is difficult to say. Have you got the current LAeq level of the landfill's emission? I might try and work something out.

Also, what is the nearest receptor and what is in it's surroundings?

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From: Karle Matt

Sent: Friday, 2 December 2011 3:24 PM

To: Yoshino Toshi

Subject: RE: Noise - still

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The existing DA has BG + 5dB(A). I understand LmaxadjT is the statistical average of all peaks from the source noise during time interval T. Given the low BG of 38 during the day, adding 5 to that low number still only gives a low number. I imagine a landfill would struggle to comply with such a low level. I'd also argue its not a fair number if the Leq and L10 of the BG are a fair bit higher.

What conditions have you seen that you think are good / fair / enforceable for an activity with some steady state and some intermittent bangs etc that you'd recommend?

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To work out the LAmax-adj-T, you need to listen to all of the relevant peaks within the measurement period and note the levels. Average these levels statistically, and you get the LAmax-adj-T level.

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From: Karle Matt

Sent: Friday, 2 December 2011 2:51 PM

To: Yoshino Toshi

Subject: Noise - still

Importance: High

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