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BURNETT WATER Pty Ltd

ABN: 82 097 206 614

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19 August 2005

Received
25 AUG 2005
NATURAL RESOURCES & MINES
BUNDABERG OFFICE

Mr Frank Dwyer
South-East Region (Bundaberg)
Dept of Natural Resources & Mines
PO Box 1143 Bundaberg Qld 4670

Dear Mr Dwyer,

Decision Notice IM1003BDB0003 for Development Permit No. 176904

We are writing to request an amendment to conditions of the above permit for the Burnett River Dam. The proposed amendment aims to reflect updated design details that have changed since the permit was last amended.

Attached is a summary of the proposed amendments to the schedules.

The drawings referred to in the amendment summary, and updated drawings showing outlet works and arrangements, are attached for your reference.

In summary the proposed amendments include:

- Deletion of the requirement to remove the pipes from the upstream causeway;
- Deletion of the requirement to breach the upstream cofferdam.

Deletion of requirements to:

- ***Remove pipes from the upstream causeway; and***
- ***Breach the upstream cofferdam***

In earlier designs of the facility, the outlet works had the ability to drain the impoundment water level as low as EL37. Subsequent designs now have the dead storage level at EL42 which has implications for the necessity of the removal of the causeway pipes and breaching of the coffer-dam.

It is our understanding that these requirements were put in place so as to unsure there was no potential for isolated pools to form in the impoundment at low levels. With the raising of the dead storage level to EL42, the possibility no longer exists as the minimum water level in the impoundment is now some 4m above the top of the causeway and 2m above the coffer-dam.

Level 3, 307 Queen Street Brisbane
PO Box 232 Brisbane QLD 4001

Telephone: 07 3224 2888
Facsimile: 07 3224 2840
Email enquiries@burnettwater.com.au

Furthermore the upstream cofferdam effectively no longer exists as the area between the cofferdam and the dam wall has been filled with earth to create a platform for a concrete pump during the construction of the ogee crest (refer to photo below).

Other Items

Further to the above there are a number of other minor items requiring amendment. These are summarized in attachment 2.

Please do not hesitate to contact Craig Thamm on 07 3514 8210 or 0427 406 515 should you have any queries regarding the matter.

Yours sincerely,

Mike Montefiore
CEO Burnett Water

Attachments:

- Attachment 1: Summary of proposed amendments to Conditions of Development Permit 176904
- Attachment 2: Construction Drawings:

Form 2

idas INTEGRATED DEVELOPMENT ASSESSMENT SYSTEM

Request to change an existing approval

The completion of all questions on Form 2 is mandatory for all requests for changes to an existing approval.

1. Description of land

These details will be included in the original decision notice for the approval you know wish to modify.

Street address *(Include no., street, suburb / locality & postcode*

Campbells Road

Coringa Qld Postcode 4621

Lot & plan details *(Attach list if necessary)*

unchanged

Shop / tenancy no. *(If applicable)*

Storey / level *(If applicable)*

Total area of land *(m² / ha)*

2960ha

In which local government area is the land situated?

Biggenden, Kolan, Perry and Gayndah

2. Nature of the request

Any person may request to modify an existing approval.

This request is for:

- ☐ An extension of the currency period *(s 3.5.23)*
- ☒ A change to or cancel conditions *(s 3.5.33)*
- ☐ A change to the development approval *(other than a change of a condition) (s 3.5.24)*
- ☐ A change to conditions of a rezoning approval given under the repealed P&E Act *(s 6.1.35A)*

Provide details of & justification for the proposed modification

As per information provided in letter dated 10 May 2005 and associated attachments

3. Concurrence agencies

Under s3.5.22(1)(a) & 3.5.24(1)(a) of IPA, a copy of this request must be forwarded to each concurrence agency for the previous application prior to lodgement of this form with the assessment manager.

Note: **"No" will always apply to a request to change conditions of a rezoning approval given under the P&E Act.**

Did the previous application involve concurrence agencies or building referral agencies?

- ☒ NO
- ☐ YES *(List the concurrence agencies who have been sent a copy of the request for modification)*

4. Applicant details

Clearly identify who is making the application. The applicant need not be the owner of the land.

In signing and lodging this application, the applicant is responsible for ensuring the information provided is true. The assessment manager, any referral agency and the Chief Executive (where applicable) will rely on this information when assessing the application.

If the applicant is a company, a contact person must be shown.

All correspondence will be mailed to this address.

Name

Burnett Water Pty Ltd (Mike Montefiore)

Signature

Date

18-8-2005

Contact person

C/- Burnett Dam Alliance - Craig Thamm

Phone no.

07 3514 8210

Mobile no.

0427 406 515

Fax no.

07 3514 8245

Email address

mike.montefiore@burnettwater.com.au

Postal address

GPO Box 232

BRISBANE QLD Postcode 4001

5. Consent of land owner/s

Completion of this question is only required if the applicant is not the owner or the person authorised to sign as the owner.

Completion of this section provides the owner's consent to the lodgement of this application. If there are multiple owners, the consent of each owner is required. If the owner is a company refer to Guide 1.

Name *(In full) (Attach list if necessary)*

Signature/s *(Or if a company, the ACN plus signature/s or company seal & signatures)*

Date

Contact details *(Optional)*

6. Plans and documents

This application is accompanied by:

- ☒ Amended plans
- ☒ Proposal Report identifying and justifying proposed changes
- ☐ Other *(Specify)*

OFFICE USE ONLY *(applicable to assessment manager, concurrence agency or private certifier)*

FEE ($)		DATE RECEIVED		RECEIVING OFFICER'S NAME/S		REFERENCE NUMBERS	

BURNETT DAM DEVELOPMENT PERMIT 176904

Proposed amendments to Schedule of Assessment Manager Conditions

Description of the Approved Works

Works Reference 13008

Construction of a Concrete Dam on Burnett River with the following dimensions:

Height to Top	53m	Crest Length	1020m
Base Width	36.7m	Crest Width	6.54m
Bywash Height	37.6m	Bywash Width	315m

Must be located on land adjacent to 3/CK2702 or on land adjacent to 2/SP135369.

Secondary bywash:

Height to Top		48.0m
Width	Crest Length	500m

Outlet Works Two 5000 wide, 5100 mm high culverts

To be constructed as per plans: BDA-D-C-010 issue A *BDA-D-C-010 issue 0*

Channel. Outlet Works

Work Reference 13009

~~Construction of diversion works~~ on Burnett River ~~via a Channel~~ with the following dimensions:

Depth	7.5m	*~~varies~~*
Length	63m	*63.4m*
Bottom Width	14.2m	

Remove

Must be located on land adjacent to 3/CK2702 of on land adjacent to 2/SP135369.

To be constructed as per plans:

BDA-D-C-010 issue A	*BDA-D-C-010 issue 0*
BDA-D-C-011 issue A	*BDA-D-C-011 issue 1*
BDA-D-C-012 issue A	*BDA-D-C-012 issue 2*

Works Reference 13010

An RCC and sand and gravel cofferdam (downstream) with the following dimensions:

A rip rap armoured clay cored cofferdam with impervious cement stabilised fill cap (downstream) with the following dimensions:

Height to Top	6.3m	*Elevation at crest*	*36.3m AHD*
Crest Width	10.0m	*13.0m*	
Base Width (max)	19.5m	*40.0m*	
Crest length	250m	*220m*	
Height of Spillway	6.3m	*Elevation of Spillway*	*36.3m AHD*
Width of Spillway	250m	*220m*	*(whole of cofferdam crest overtoppable)*

Must be located on land adjacent to 3/CK2702 of on land adjacent to 2/SP135369.

To be constructed as per plans: BDA-D-C-073 & 074 *BDA-D-C-078 issue 2*
BDA-D-C-072 issue 0

Works Reference 13012

An RCC and sand and gravel cofferdam (upstream) with the following dimensions:

A rip rap armoured clay cored cofferdam with impervious cement stabilised fill cap (upstream) with the following dimensions:

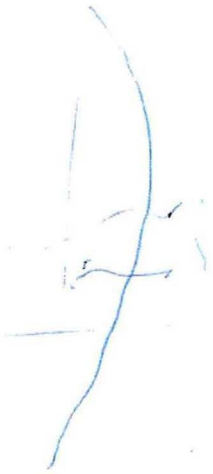
No longer required

filled between Dam Wall + Cofferdam

Height to Top	10.0m	*Elevation at crest*	*40m AHD*
Crest Width	12.0m	*13.0m*	
Base Width	37.0m	*40m*	
Crest Length	260m	*270m*	
Height of Spillway	10.0m	*Elevation of Spillway*	*40m AHD*
Width of Spillway	260m	*270m*	*(whole of cofferdam crest overtoppable)*

Must be located on land adjacent to 3/CK2702 of on land adjacent to 2/SP135369.

To be constructed as per plan: BDA-D-C-073 & 074 *BDA-D-C-078 issue 2*
BDA-D-C-072 issue 0



Works Reference 13013
A causeway with the following dimensions:(Causeway downstream)
Causeway deleted. Substitute with crossing of diversion channel with the following dimensions

Height to Top	***2.0m***
Crest Width	***20m***
Base Width	***22m***
Crest Length	***31m***
Outlet Pipes	***2 x 23m long pipes each 1050mm dia.***
Fishway Pipe	***1 x 23m long 1050mm dia with 3 baffles and 250mm wide slot***
To be constructed as per plan:	***BDA-D-T-072 issue A***

Must be located on land adjacent to 3/CK2702 of on land adjacent to 2/SP135369.

Works Reference 13014
A causeway with the following dimensions:(Causeway upstream)

Height to Top	8.0m
Crest Width	12.0m
Base Width	36.0m
Crest Length	220m
Diameter of Outlet Pipes	2 pipes each 2400mm dia.
To be constructed as per plans:	BDA-D-T-071 Issue 1
	BDA-D-T-070 Issue 0

Must be located on land adjacent to 3/CK2702 of on land adjacent to 2/SP135369.

Works Reference 13015
Installation of a Helical Rotor Pump on Burnett River
Capable of pumping a maximum of 5 litres per second
Must be located on land adjacent to 3/CK2702

Works Reference 13016
Spoil areas as identified by plan: TEAM1-216 ***BDA-D-T-019 Issue A*** ✓
Must be located on land adjacent to 3/CK2702 of on land adjacent to 2/SP135369.

Works Reference 13247
Installation of a Helical Rotor Pump on Burnett River
Capable of pumping a maximum of 5 litres per second
Must be located on land adjacent to 3/CK2702

Part A - Conditions Relating to the Construction and Operation of the Approved Works

D035
The works authorised by this permit must be constructed and maintained in acordance with
BDA-D-C-010 issue 0
BDA-D-C-011 issue 1
BDA-D-C-012 issue 2
BDA-D-C-072 Issue 0
BDA-D-C-078 issue 2
BDA-D-T-019 issue A
BDA-D-T-070 issue 0
BDA-D-T-071 issue 1
BDA-D-T-072 issue A
supplied with the application.

Part B - Other Conditions of the Approval

4. Erosion and sediment control must be carried out in accordance with Burnett Dam Alliance - ***Erosion and Sedimentation (& Clearing) Management Plan (Document No: ESMP - Q4349 Rev4)***
5. The permitee must report on matters in Section 7 - Corrective Action of the Burnett Dam Alliance - ***Erosion and Sedimentation (& Clearing) Management Plan (Document No: ESMP - Q4349 Rev3)*** by preparing a written report on a quarterly basis...
6. The permitee must report on any matters in the Burnett Dam Alliance - ***Erosion and Sedimentation (& Clearing) Management Plan (Document No: ESMP - Q4349 Rev 4)*** by preparing a written report on occasions requested by the Chief Executive...

Condition DS4

3. The dam must be constructed generally as per the drawings contained in the Burnett River Dam Detail Design Report Volume 10 of July 2004 and subsequent additions or amendments