

Date : 22/06/2017 11:13:48 AM
From : "CAVICCHIOLO Mark"
To : "MCDONALD Quinn" , "WILLIAMS Tony"
Cc : "SULLIVAN Scott"
Subject : FW: COOKTOWN WEBBER ESPLANADE SEAWALL REPAIR
Attachment : PA1438_Cooktown_gpb170613_final+dwgs.pdf;image001.png;

Hi guys could you allocate a staff member to review this document, which was submitted as a per requirements 2 and 3 of an Enforcement Notice issued under SPA. I think that a site visit should be undertaken as part of the overall compliance assessment, so it would make sense if you choose someone who is heading up there for other compliance inspections.

I can give them a full download of the requirements of the enforcement notice.

From: Robert Uebergang [mailto:RUebergang@cook.qld.gov.au]
Sent: Wednesday, 21 June 2017 9:38 AM
To: Tony Croke; OFFNER Sarah
Cc: CTPI 49-Sch4 CAVICCHIOLO Mark; Chris Wood; ELT; CTPI 49-Sch4
Subject: COOKTOWN WEBBER ESPLANADE SEAWALL REPAIR

Hello Tony and Sarah,

Re: Cooktown Webber Esplanade Seawall Repair

I am writing to you both in regard to the Cooktown Seawall Repair to provide update on completion and RPEQ certification relating to the following matters:

1. **DEHP Enforcement Notice 1 Dec 2016** – Your reference: CR70795, 070/0000576; Our reference: IPDC00316505D11/ SPD-0414-006809:

As outlined in section B. *Requirements* of the Enforcement Notice, response is provided as follows:

- requirement 1. to repair the seawall by 31 May 2017 has been completed with seawall and marina remediation completed in March 2017 and overtopping protection completed April-May 2017
- requirement 2. to provide RPEQ certification of the repair and rectification works by 30 June 2017 is now provided - refer attached
- requirement 3. to provide as-constructed plans of the seawall and certification by 30 June 2017 is now provided – refer attached
- requirement 4. to provide a management plan by 2 January 2017 has been previously completed
- requirement 5. to submit a valid application by 6 February 2017 has been previously completed.

It is our understanding that all requirements of the Enforcement Notice have now been successfully met.

2. **Notice of Decision – Changed Approval 21 March 2017** – Your reference SPD-0217-033861

In relation to *Attachment 1-Changed assessment manager conditions* update is provided as follows:

- condition 1 to carry out development in accord with listed plans has been completed
- condition 2 to construct in accord with drawings and specifications has been completed
- condition 3 to provide report from a RPEQ certifying the works is now provided –refer attached.

If you have any queries in relation to the completion of remediation and RPEQ certification of the seawall and associated works please don't hesitate to contact me,

Regards,

Robert Uebergang | Director | Infrastructure Services
Cook Shire Council

Phone | 07 4069 5444 **Fax** | 07 4069 5423
Email | RUebergang@cook.qld.gov.au **Website** | www.cook.qld.gov.au
Address | 10 Furneaux Street (PO Box 3), Cooktown, Qld, 4895

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From: CTPI 49-Sch4 @rhdhv.com]
Sent: Monday, 19 June 2017 4:33 PM
To: Robert Uebergang <RUebergang@cook.qld.gov.au>
Cc: Chris Wood <CWood@cook.qld.gov.au>

Subject: COOKTOWN WEBBER ESPLANADE

Robert

Further to our recent discussions, attached please find our RPEQ certification for the seawall repair.

Regards
CTPI 4

CTPI 49-Sch4

Manager Coastal
Maritime and Waterways, Australia

Haskoning Australia Pty Ltd, a company of **Royal HaskoningDHV** | Level 14, 56 Berry Street, North Sydney NSW 2060
T +61 2 8854 5000 | D +61 2 8854 5114 | M **CTPI 49-Sch4** | **CTPI 49-Sch4**@rhdhv.com | W <http://www.royalhaskoningdhv.com/en/australia>



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Date : 25/07/2017 2:06:38 PM
From : "QUICK Calvin"
To : "MCDONALD Quinn"
Subject : FW: Webber Esplanade Seawall Repair Review Cooktown
Attachment : image001.png;image003.png;image004.png;image006.png;image008.png;
FYI



Calvin Quick
Senior Environmental Officer (Compliance)
Minerals & North Queensland Compliance | Environmental Services & Regulation
Department of Environment and Heritage Protection
P 07 4222 5161 E calvin.quick@ehp.qld.gov.au W www.ehp.qld.gov.au
Level 3, 5B Sheridan Street, Cairns Qld 4870
PO Box 7230, Cairns Qld 4870

From: CAVICCHIOLO Mark
Sent: Tuesday, 25 July 2017 1:52 PM
To: QUICK Calvin
Subject: RE: Webber Esplanade Seawall Repair Review Cooktown

Gday – if we can get clarification on that matter asap that would be good; you might beed . In terms of a closeout – ie send draft letter and CAR to Tim Brain – can this be done by Friday week? Presumably Doug could finish it off after you leave?

From: QUICK Calvin
Sent: Tuesday, 25 July 2017 9:00 AM
To: CAVICCHIOLO Mark
Subject: FW: Webber Esplanade Seawall Repair Review Cooktown

Hey Mark,

The inspection of the Webber Esplanade seawall went well. There was just one query that I thought it best to get Paul Prenzler's view on (see email below) as I didn't feel qualified to make the call. It relates to variations in the slope of the seawall which Doug picked up in his review of the as-constructed plans. I don't think it will be an issue though.

Do you have a timeframe on when you would like this closed out?

Regards,
Calvin.



Calvin Quick
Senior Environmental Officer (Compliance)
Minerals & North Queensland Compliance | Environmental Services & Regulation
Department of Environment and Heritage Protection
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Level 3, 5B Sheridan Street, Cairns Qld 4870
PO Box 7230, Cairns Qld 4870

From: QUICK Calvin
Sent: Monday, 24 July 2017 4:07 PM
To: PRENZLER Paul
Subject: FW: Webber Esplanade Seawall Repair Review Cooktown

Hi Paul,

The final certification and as-constructed plans (see attached) for the Webber Esplanade Seawall were recently submitted to the department as required by the enforcement notice. The final certification and plans were reviewed by Doug McCallum (one of our officers in Cairns) and he had a number of comments regarding what was submitted (see attached file note). Doug's comments and concerns related largely to variations in the slope of the seawall as detailed in the as-constructed plans; and in particular where there are cross sections that are not an even gradient. It's worth noting that they all comply with the requirement to be greater than 1 in 2.

I undertook a site inspection of the seawall last Tuesday 18 July 2017. The variations that I observed related (depending on the cross section) to large armour rocks at the toe of the wall and the location of drains through the wall. I wasn't too concerned about what I observed but I am not a coastal engineer. It would be great to get your opinion on the matter, and whether these variations are a concern, if you are able to? I need to provide a response to Cook Shire by the 8 August.

I took a number of photographs of the site I can drop the photos I took onto the temporary drive if they would be helpful?

If you have any questions I am happy to discuss this with you further.

Thanks for your help with this,
Calvin.



Calvin Quick

Senior Environmental Officer (Compliance)

Minerals & North Queensland Compliance | Environmental Services & Regulation

Department of Environment and Heritage Protection

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Level 3, 5B Sheridan Street, Cairns Qld 4870

PO Box 7230, Cairns Qld 4870

From: MCCALLUM Douglas

Sent: Monday, 17 July 2017 12:04 PM

To: QUICK Calvin

Subject: Webber Esplanade Seawall Repair Review Cooktown

Hi Calvin,

Please find attached reports and requirements 2 and 3 as discussed.

Kind regards Doug



Douglas McCallum

Senior Environmental Officer

Minerals & North Queensland Compliance

Environmental Services & Regulation

Department of Environment and Heritage Protection

P 07 4222 5301 | Facsimile: 07 4222 5070

Email: douglas.mccallum@ehp.qld.gov.au

5b Sheridan Street Cairns QLD 4870 | Postal address: PO Box 7230 Cairns QLD 4870

Published on DES Disclosure Log
RTI Act 2009

Date : 24/07/2017 4:07:22 PM

From : "QUICK Calvin"

To : "PRENZLER Paul"

Subject : FW: Webber Esplanade Seawall Repair Review Cooktown

Attachment : 20160919 CTPI 49-Sch4 Final Report.pdf; PA1438_Cooktown_gpb170613_final+dwgs.pdf; Requirement 2 and 3.docx; Doughts File Note of final cert and plans.pdf; image001.png; image002.png; image005.png;

Hi Paul,

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Calvin Quick

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Hi Calvin,

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Kind regards Doug



Douglas McCallum

Senior Environmental Officer

Minerals & North Queensland Compliance

Environmental Services & Regulation

Department of Environment and Heritage Protection

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File Note

File Reference: CR70795; 070/0000576

Print and file when complete.

Date: 26 June 2017

File Name: Compliance Review of Webber Esplanade Seawall Repair, Cooktown

Subject (Detail): Compliance Review of Requirements 2 and 3 of DEHP Enforcement Notice (1 Dec 2016) against Certification for Cooktown Webber Esplanade Seawall Repair (PA1438_Cooktown_gpb170613)

A review of the document *Certification for Cooktown Webber Esplanade Seawall Repair* by Royal Haskoning DHV (PA1438_Cooktown_gpb170613) was undertaken against DEHP Enforcement Notice (1 Dec 2016) Requirements 2 and 3 for compliance.

A summary is tabled below;

Requirement	Observations	Assessment/Recommendations
Requirement 2 2a. The rock armour is repaired in accord with the recommendations outlined in the report <i>Cooktown Foreshore Development- Technical Review- Final Report</i> prepared for Cook Shire Council (CSC) by Mr CTPI 4 CTPI 49 dated 19 September 2016.	<p>Drawing No. PA1438/MA/2001 illustrates the repair construction method for the seawall remediation. The method is outlined in a summary as follows;</p> <ol style="list-style-type: none"> 1. Selectively remove smaller rocks from outer layer of armour 2. Sort rocks into piles <0.3t and >0.3t 3. Identify low points and depressions at low tide and insert large (2-3t) rocks, without disturbing existing rocks 4. Rebuilt outer armour layer and across slope to achieve acceptable interlock and packing. Achieve a non-segregated matrix in the armour surface 5. No new rocks <1.0t to be placed in repaired outer layer of armour unless required for interlocking 6. No rocks <0.3t to be replaced into repaired outer layer of armour 7. Rebuild outer armour layer to achieve M_{50} not less than 0.7t where feasible (50% of rocks in outer layer 0.7t or larger). This satisfies 5-10% damage as per second table on Pg5 of CTPI 4 (Innovative Expertise) Report 19/09/16 8. Retain concreted in crest rock 9. Finished slope of armour surface to be no steeper than 1:2 (V:H) 	<p>Compliant on paper, however, recommend site photos/visit to validate requirement. See notes in observations.</p>

<p>2b. The rock armouring and other aspects of the sheetpile walls and lagoon are repaired to address identified concerns in the report <i>Cooktown Foreshore Development- Technical Review- Final Report</i> prepared for Cook Shire Council (CSC) by Mr CTPI 49 dated 19 September 2016. The concerns identified, and for which repair or rectification is required, include, but are not limited to:</p> <ul style="list-style-type: none"> i. rock interlocking, rock size and rock type suitability ii. the seawall slope, which needs to meet a maximum slope of 1 horizontal to 2 vertical iii. the marina sheetpile wall to ensure the structure is made safe iv. the piping and overland scour of sediment, particularly in the area of the tidal lagoon so that the release of sediments does not occur 	<p>10. Finished armour surface to be continuous with minimal visible deformations</p> <p>Noting no photos have been included to validate the removal and replacement of correct weight rocks, the repair construction method, in theory, is compliant with Requirement 2a and has been signed off with RPEQ certification. Recommend site photos/visit to validate requirements.</p> <ul style="list-style-type: none"> i. No records of rock size, interlocking and suitability are provided, this could be possibly obtained from inspection reports, engineer's notes, site visit records and/or quarry records to validate. Photos could validate the interlocking. ii. Sea wall slope meets a maximum of 1 horizontal to 2 vertical. The "As-con" drawings indicate profile in March 2017 is between min 1:3 and max 1:2 slope. Although minor variation is noted in the following sections; XS-40.0 (PA1438/MA/1101), XS-140.0 (PA1438/MA/1102), XS-280.0 (PA1438/MA/1103), XS55.0, XS-40.0 (PA1438/MA/1201). iii. The marina sheetpile wall structure design appears safe on paper but recommend site photos/inspection to determine status iv. Detailed plan PA1438/MA/1020 indicate piping failure repair by excavating material and selective placement of geotextile liner. The RPEQ has commented the repair has been constructed as per the design 	<p>More information required</p> <p>Minor variation in some sections observed, however, overall the drawings are certified by RPEQ.</p> <p>Site photos/inspection required, noting certification by RPEQ</p>
<p>Requirement 3</p> <p>As-constructed plans for the seawall following completion of the works</p>	<p>Submission of the "as-cons" plans in the document PA1438_Cooktown_gpb170613, Appendix A. Includes 12 approved drawings by RPEQ.</p>	<p>Compliant</p>

Construction certification by RPEQ, including certification of the repair	<p>On the basis of the supervisory input provided for the construction of the Seawall Repair including site inspections (5), review of site photographs, review of the as-built surveys and discussions through the course of the works with CSC, Haskoning Australia Pty Ltd is <i>satisfied that the Seawall Repair has been completed in accordance with the design intent as described in the Drawings.</i></p> <p>RPEQ certification by CTPI 49-Sch4 (Manager Newcastle Ports and Marine) CTPI 49-Sch4 Civil) with <u>active</u> registration to 30 June 2018.</p>	Compliant
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Recommendations are as follows;

Condition 2a. **On paper is compliant**, as it has been constructed according to design plan and certified by RPEQ however site photos/ visit could validate this.

Condition 2b (i). **More information required.** No records of rock size, interlocking and suitability are provided, this could be possibly obtained from inspection reports, engineer's notes, site visit records and/or quarry records to validate. Photos could validate the interlocking.

Condition 2b (ii). **More information required.** Sea wall slope meets a maximum of 1 horizontal to 2 vertical. The "As-con" drawings indicate profile in March 2017 is between min 1:3 and max 1:2 slope. Although minor variation is noted in the following sections; XS-40.0 (PA1438/MA/1101), XS-140.0 (PA1438/MA/1102), XS-280.0 (PA1438/MA/1103), XS55.0, XS-40.0 (PA1438/MA/1201). Need to understand if these 5 sections of non-compliant slope affect the overall slope?

Condition 2b (iii). **More information required.** The marina sheetpile wall structure design appears safe on paper but recommend site photos/inspection to determine status.

Condition 2b (iv). **More information required.** Detailed plan PA1438/MA/1020 indicate piping failure repair by excavating material and selective placement of geotextile liner. The RPEQ has commented the repair has been constructed as per the design. Need to understand if this works addresses the 'no release of sediments' condition.

Date: 26/06/2017

Author: Douglas McCallum
Position: Environmental Officer
Unit/Office: Compliance EHP
Phone: 07 4222 5301

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Condition 2b (i). **More information required.** No records of rock size, interlocking and suitability are provided, this could be possibly obtained from inspection reports, engineer's notes, site visit records and/or quarry records to validate. Photos could validate the interlocking.

Condition 2b (ii). **More information required.** Sea wall slope meets a maximum of 1 horizontal to 2 vertical. The "As-con" drawings indicate profile in March 2017 is between min 1:3 and max 1:2 slope. Although minor variation is noted in the following sections; XS-40.0 (PA1438/MA/1101), XS-140.0 (PA1438/MA/1102), XS-280.0 (PA1438/MA/1103), XS55.0, XS-40.0 (PA1438/MA/1201). Need to understand if these 5 sections of non-compliant slope affect the overall slope?

Condition 2b (iii). **More information required.** The marina sheetpile wall structure design appears safe on paper but recommend site photos/inspection to determine status.

Condition 2b (iv). **More information required.** Detailed plan PA1438/MA/1020 indicate piping failure repair by excavating material and selective placement of geotextile liner. The RPEQ has commented the repair has been constructed as per the design. Need to understand if this works addresses the 'no release of sediments' condition.

Condition 3. **Compliant.** Submission of "as-cons" and certification by RPEQ