

Date : 29/05/2019 2:09:15 PM

From : "WELLS Melissa"

sch 4(6) Personal information

Subject : Accepted: Teleconference with DES and CSIRO for a general discussion

Published on DES Disclosure Log
RTI Act 2009

Date : 22/05/2019 4:38:32 PM

From: sch4p4(6) Personal information

To : "MCCOSKER Juliana"

Cc : sch4p4(6) Personal information , "BENNINK Kate" , "WELLS Melissa"

Subject : Adani - current status of outstanding approvals

Attachment : image001.png;image003.png;image005.png;

Julianna,

Thanks. Appreciate your quick turnaround.

Regards

sch4p4(6) Personal information



sch4p4(6) Personal information

Project Manager

Coordinated Project Delivery

Department of State Development,
Manufacturing, Infrastructure and Planning

P 07 3452 7485

Level 17, 1 William Street, Brisbane QLD 4000
PO Box 15517, City East QLD 4002

www.coordinatorgeneral.qld.gov.au

From: MCCOSKER Juliana <Juliana.Mccosker@des.qld.gov.au>

Sent: Wednesday, 22 May 2019 4:34 PM

To: sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au>

Cc: sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au>; ROWLAND Philip <Philip.Rowland@des.qld.gov.au>; sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au>; BENNINK Kate <Kate.Bennink@des.qld.gov.au>; WELLS Melissa <Melissa.Wells@des.qld.gov.au>

Subject: RE: Adani - current status of outstanding approvals

sch4p4(6) Personal information

Please see attached.

Ciao for now

Juliana

From: sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au>

Sent: Wednesday, 22 May 2019 2:28 PM

To: MCCOSKER Juliana

sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au>; ROWLAND Philip <Philip.Rowland@des.qld.gov.au>; BENNINK Kate <Kate.Bennink@des.qld.gov.au>

Subject: Adani - current status of outstanding approvals

Hi Julianna,

You may have seen today's media about Adani and the Premier appointing Coordinator-General to oversee approvals and meet with Adani on Thursday. Refer following link:

<https://www.abc.net.au/news/2019-05-22/adani-approvals-removal-environment-department/11138140>

I phoned you to catch up and left a message to call me if you can.

Thanks for providing the attached update in on 12/4/19 and sending to sch4p4(6) Personal information

sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au> former Director on Adani here in CPD. This role has gone to sch4p4(6) Personal information

The CG has asked for an update on the status of all outstanding Adani approvals.

Appreciate it if you could update your comments from 12/4/19 on attached table (and add any that might be missing) and return today if possible for the CGs meeting tomorrow.

Thanks

s.78B(2)



sch4p4(6) Personal information

Project Manager

Coordinated Project Delivery

Department of State Development,
Manufacturing, Infrastructure and Planning

P 07 3452 7485

Level 17, 1 William Street, Brisbane QLD 4000
PO Box 15517, City East QLD 4002

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From: MCCOSKER Juliana <Juliana.Mccosker@des.qld.gov.au>

Sent: Friday, 12 April 2019 4:17 PM

To: sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au>

Cc: ROWLAND Philip <Philip.Rowland@des.qld.gov.au>; BENNINK Kate <Kate.Bennink@des.qld.gov.au>

Subject: re.Adani approvals

sch4p4(6) Personal information

Please see attached.

Ciao for now

Juliana

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Date : 24/05/2019 2:08:37 PM

From : "WELLS Melissa"

To : "ELLWOOD Dean"

Subject : CSIRO details

Attachment : image001.png;image003.png;image004.png;

sch4p4(6) Personal information

Director

CSIRO Land and Water

sch4p4(6) Personal information

T sch4p4(6) Personal information

<https://www.csiro.au/en/Research/LWF>

CSIRO acknowledges the Traditional Owners of the lands that we live and work on across Australia and pays its respect to Elders past and present.

GPO Box 1700

CSIRO Black Mountain Site

Clunies Ross St, Canberra ACT 2601



Melissa Wells

Executive Director

Coal and Central Qld Compliance

Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720



Date : 23/05/2019 5:23:12 PM

From : "ELLWOOD Dean"

To : "s.73"

Cc : "MERRICK Jamie" (s.73) (6) Personal information; "WELLS Melissa"

Subject : DES request

Attachment : DES CSIRO_GA Request REVISED.docx;image001.png;image002.png;

s.73 please find attached DES's request to CSIRO/GA. I will also provide further correspondence tomorrow with respect to any additional requirements for either BTFM and GDEM plans will not preclude the commencement of stage 2 activities.

Regards
dean



Dean Ellwood

Project Executive

Department of Environment and Science

400 George St, Brisbane QLD 4000

GPO Box 2454, Brisbane QLD 4001

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RTI Act 2009

DES CSIRO/GA GDEMP 11b Advice request – REVISED based on CSIRO/GA feedback and clarification provided 20 May 2019

Review documents (for clarification please note DES does not require a review of the GMMP):

1. GDEMP v11b (track change versions v10 – v11 and v11a-11b attached);

Following the department's review of the CSIRO/GA 2019 Report, the department seeks your advice about the type of investigation and research that may provide greater certainty regarding the department's interest in relation to the identification of the source aquifer(s) to the Doongmabulla Springs Complex (DSC).

The environmental authority (EA) for the Carmichael Coal Mine requires Adani to develop and implement a Groundwater Dependent Ecosystems Management Plan (GDEMP). The term GDEMP is defined in the EA and states, among other things, that a GDEMP must include *'detailed baseline research to establish the source aquifer(s) for groundwater supply to each groundwater dependent ecosystem [potentially or indirectly impacted by mining activities]'*.

Your 2019 Report states that:

'It is plausible and reasonable that the Clematis Sandstone is a major source aquifer for the DSC... It is not plausible and reasonable to state unequivocally that the Clematis Sandstone is the sole source aquifer for the DSC...' (p2); and

'Available evidence supports the conceptualisation that the Clematis Sandstone is a likely source aquifer for the DSC. However, the proposed monitoring and management approaches do not sufficiently address the uncertainty regarding the potential alternative or additional source aquifers (refer Section 3.2 and 3.3).' (p9); and

'To constrain the source aquifer(s) of the DSC, a more sophisticated statistical analysis of hydrochemistry data is required. This includes assessing a wider variety of groundwater and surface water analytes, as well as appropriate use of isotope hydrochemistry analysis. Further information on potential techniques is provided (CSIRO and Geoscience Australia, 2018) and other readily available references.' (p10)

Further, in advice given to the Commonwealth Department of the Environment and Energy, *'Advice on draft research plans to the Department of the Environment and Energy'*, dated November 2018, you state:

'An integrated analysis of existing and newly acquired geological, hydrodynamic and hydrochemical data would improve the conceptual understanding of the groundwater sources of the DSC'. (at page 5); and

'Further information on the specific methods and techniques to be applied to chemically assess the springs source and groundwater flow processes is required for a more detailed assessment to be made. This includes the need to define the

analytical suite, quality assurance and quality control methods, and use of a broader range of isotopic and environmental traces...' (at page 13).

Having regard to **the 2019 Report, the 2018 advice, and our meeting of 16 April 2019**, the department has the understanding that the following further research (steps) would improve the certainty about the source aquifer(s) of the DSC and other groundwater dependent ecosystems:

- a) hydrogeochemical analysis of water samples for comparison within and across relevant aquifers (Clematis Sandstone, Dunda Beds and Rewan Formation);
 - b) incorporation of the use of isotope and ageing tracers in the above hydrogeochemical analysis;
 - c) a comprehensive review of groundwater level and quality data from relevant aquifers including data from new proposed nested bores in the vicinity of DSC;
 - d) detailed geological mapping including cores from bores drilled in the vicinity of DSC and facies modelling to better inform hydraulic connectivity within and across all aquifers;
 - e) incorporation of the airborne electro-magnetic modelling recently completed by Geoscience Australia (and available to Adani by June 2020); and
 - f) revision of the conceptual understanding of the source aquifer(s) for DSC and groundwater system based on information collected from the above for incorporation into the groundwater model review (re-run).
1. Does the above summary accurately reflect the CSIRO/GA advice with respect to further work that could increase certainty of the source aquifer(s) for the DSC?
 2. Would CSIRO/GA recommend any additional measures?
 3. Would it be appropriate from an adaptive management framework for all the above matters to be undertaken over a set period i.e. prior to the model review (re-run)?

Based on GDEMP 11b (track change version/s) and the CSIRO/GA advice dated November 2018 and February 2019, the department seeks your additional advice on the following questions:

4. Generally, in respect to groundwater research and modelling, is it acceptable and/or common from a scientific basis to have some level of uncertainty? i.e. can source aquifer(s) ever be categorically determined or definitively identified? Can you have absolute certainty? Is there always some level of uncertainty?
5. Are the groundwater drawdown trigger thresholds proposed in the updated GDEMP 11b appropriate and suitable to ensure the long-term protection of the DSC in light of your advice that the numerical model is not fit for purpose?
6. For question 5, are the adaptive management measures and commitments in the updated GDEMP appropriate? If not, please provide suggestions to address this?

This advice will assist the department's review and assessment of the latest version of the GDEMP 11b.

Please note there is a high level of urgency to your advice given the department wishes to progress the assessment of the GDEMP and work with Adani to finalise the plan.

Date : 21/05/2019 2:14:48 PM
From : "BENNINK Kate"
To : "WELLS Melissa"
Cc : "MCCOSKER Juliana"
Subject : dot points

Clarification:

- The request is solely in terms of the GDEMP and no review of the GMMP is requested.
- The Department will provide the track changes versions of the GDEMP to highlight any amendments between version 10a and version 11b, as the scope our request focuses on these amendments only.

Clarification – Question 1:

- DES understanding from the CSIRO/GA advice to DOEE is that the Clematis Sandstone is not the only source. We do not require CSIRO/GA to re-address this point.
- From the CSIRO/GA advice to DOEE there is agreement that the Clematis Sandstone is the principal/main source and therefore DES is asking about the level of confidence that CSIRO/GA have in this conclusion.

Clarification – Question 2:

- The CSIRO/GA advice refers to a level of uncertainty with regards to the source aquifer(s). Please provide commentary about your understanding of this uncertainty, the level of confidence you have in the conclusions you drew in the previous advice, and any quantification of the level of confidence and uncertainty.
- Question 2 only relates to whether DES has accurately captured the details of the additional work recommended on 16 April 2019 correctly in points 1 to 6 to increase the certainty of the source aquifer(s).
- With respect to Question 3 – please provide indicative and reasonable timeframes only (for example, is the information presently available? Or how long would it take to complete the analysis?).
- Question 4 re-framed – Are the groundwater drawdown trigger thresholds proposed in the new GDEMP appropriate and suitable to ensure the long-term protection of the DSC in light of your advice that the numerical model is not fit for purpose?

Date : 24/04/2019 4:28:54 PM

From : "ELLWOOD Dean"

To : "ELLWOOD Dean", [REDACTED] s.73 , "WELLS Melissa" , "MCCOSKER Juliana" , [REDACTED] s.73

Subject : ESR

Published on DES Disclosure Log
RTI Act 2009

Date : 13/05/2019 6:17:53 PM
From: "WELLS Melissa"
To : "MERRICK Jamie"
Subject : FW: Actions
Attachment : image001.jpg;image002.png;image003.png;image006.png;

FYI



Melissa Wells
Executive Director
Coal and Central Qld Compliance
Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720

From: WELLS Melissa
Sent: Monday, 13 May 2019 6:16 PM
To: s.73
Cc: ELLWOOD Dean
Subject: RE: Actions

Good evening s.73

On behalf of Dean I can confirm DES will be in a position to provide Adani comments on the GMMP this week. As you are aware, a meeting request has been sent out for the BTFMP workshop and the meeting will take place in Rockhampton from 2.30-5pm this Wednesday. As discussed in our meeting last week, the relevant staff are unavailable to meet again later this week and the next earliest opportunity is Monday 20 May. If you have a preference for the meeting location please let me know and we can send a calendar invitation.

In regards to the questions posed to GA/CSIRO I can advise that DES is seeking clarification and feedback regarding the level of certainty around the source aquifer/s, its monitoring and management in light of the GA/CSIRO report, the resubmitted GDEMP (version 11b) and the relevant environmental authority conditions in accordance with the *Environmental Protection Act 1994*.

In relation to timing for clarification sought from GA/CSIRO, DES has expressed the urgency around the request. From discussions with GA today, DES is advised they are currently reviewing the request and will be in a position to provide certainty around timeframes later this week as the contract is in place .

We look forward to receiving your comments on the BTFMP prior to the workshop this Wednesday and finalising the BTFMP.

Kind regards,
Melissa



Melissa Wells
Executive Director
Coal and Central Qld Compliance
Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720

From: s.73 <s.73@adani.com.au>
Sent: Monday, 13 May 2019 2:59 PM
To: ELLWOOD Dean; WELLS Melissa
Subject: Actions

Dean

Thank you for your time on Friday to talk through the finalisation of our management plans.

We have been consistent in requesting clarity of both process and timing to finalise the outstanding management plans. Based on the discussions from last Friday we understand that the following actions were committed to:

- In relation to the GMMP, DES will provide comments to Adani this week in a similar format to that provided for the BTFMP;
- Adani and DES will meet in a workshop to work through feedback on the GDEMP and GMMP. We note you offered Monday 20th May to hold this workshop. We stated our preference and desire for a meeting during the course of this week and we respectfully request that DES provide an opportunity for that timing to be met.
- For the BTFMP, on a forward looking basis, we agreed to meet on Wednesday the 15th of May to workshop the matters as expressed in the BTFMP.

the reasons in your Attachment A.

- Prior to that workshop this Wednesday, Adani will send through high level comments in relation to the reasons set out in your Attachment A of the BTFMP decision of 2 May 2019. These comments are being provided in the context of Adani considering resubmission and are without prejudice to any other right me may have with respect to the BTFMP decision.

We also again request that DES provide to Adani the questions asked of CSIRO & GA regarding the Source Aquifer (GDEMP), and the timing in which CSIRO & GA will respond to those questions. As discussed in the meeting you undertook to provide me with this information today.

Thanks

s.73

s.73

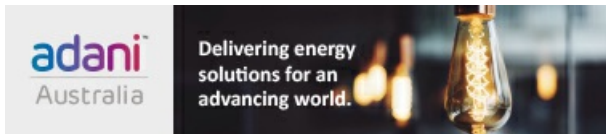
E s.73 @adani.com.au

P office: +61 7 3223 4800 | direct: s.73

A Level 25, 10 Eagle Street, Brisbane, QLD, 4000

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Date : 14/05/2019 6:27:12 PM
From : "WELLS Melissa"
To : "MERRICK Jamie" , "LAWRENCE Rob"
Subject : FW: Adani response to DES email 13 May 2019
Attachment : image002.png;image004.jpg;image001.png;image006.png;

FYI



Melissa Wells
Executive Director
Coal and Central Qld Compliance
Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720

From: WELLS Melissa
Sent: Tuesday, 14 May 2019 6:26 PM
To: s.73
Cc: s.73 ELLWOOD Dean
Subject: RE: Adani response to DES email 13 May 2019

s.73

I refer to your email of this morning, 14 May 2019 concerning the departments review of the resubmitted Adani GDEMP.

I remind you that the review of the Adani GDEMP undertaken by CSIRO/GA (the review) was commissioned by the Department of the Environment and Energy (DOEE).

While the department was consulted by DOEE on the review's terms of reference and attended a presentation of the CSIRO/GA's Tranche 1 advice, the department did not further participate or meet with CSIRO/GA during the DOEE independent review. Nor did the department have any commercial arrangement with CSIRO/GA regarding the DOEE review.

The final review (advice/report) was not provided to department until 9 April 2019, some four weeks after multiple requests by the department to DOEE, including requests at Ministerial level.

Again, given that Adani has submitted a revised version of the GDEMP (version 11b), a version that is different to the one that the CSIRO/GA review (advice/report) relied on, the department is simply seeking clarification from CSIRO/GA about its review in light of the revised GDEMP. This clarification will assist the department in part to decide whether the GDEMP is in compliance with the conditions of the environmental authority (EA) granted to Adani under the *Environmental Protection Act 1994* (Act) for the Carmichael Mine. This is not a 'new' review of the GDEMP, and it is entirely consistent with the clear message provided to Adani that the department would rely upon advice from CSIRO/GA and not seek other third party advice.

Given the resource implications and urgency around the timeliness of the advice sought from CSIRO/GA, the department considers the requirement of a contract and fee for service by CSIRO/GA as reasonable and consistent with any necessary governance in relation to a process such as this.

To date, the department has communicated with s.78B(2) CEO Geoscience Australia and s.78B(2) Director CSIRO in relation to the department's request.

The names of the officers of CSIRO/GA who will be involved in preparing advice for the department is a matter for CSIRO/GA. I am neither furnished with the information nor would it be appropriate for me to comment on the CSIRO/GA officers who were involved with the DOEE GDEMP review.

The department's actions in relation to the Adani GDEMP are directed solely at ensuring the proper administration of the Act and compliance with the conditions of the environmental authority.

My email of yesterday, gave you an indication on the timing of the review of the GDEMP by the department and the advice of CSIRO/GA.

Kind regards
Melissa

Melissa Wells
Executive Director
Coal and Central Qld Compliance
Department of Environment and Science

P 07 4987 9343

From [redacted] s.73 [redacted]@adani.com.au>

Sent: Tuesday, 14 May 2019 10:21 AM

To: ELLWOOD Dean

Cc: WELLS Melissa; [redacted] s.73 [redacted]

Subject: Adani response to DES email 13 May 2019

Dean

I refer to Melissa Well's email sent last evening. It would appear despite DES' public claims that you would not be seeking a new or further review of the scientific evidence presented by CSIRO /GA, you are in fact engaging in another review as evidenced by Ms Well's reference to having to put in place a new contract. If this round of questions was simply an extension of the work undertaken we do not see how there would be any requirement for a new contract.

Furthermore we submit that the email fails to provide Adani with the necessary clarity regarding the "contract" between DES and CSIRO/GA or the substance of the questions that have been presented to CSIRO/GA by DES. Accordingly and consistent with our request on Friday 10 May, we once again request a copy of the questions you have asked CSIRO/GA to consider under this new contract. This request is reasonable given DES is commissioning a new review or assessment of Adani's GDEMP, and that DES previously provided Adani with a copy of the Terms of Reference for the so-called Wintle Review of the BTFMP. An ability to consider the questions as posed by the DES to CSIRO/GA would seem a normal part of this process and is clearly required to permit us to fully participate.

Could you also clarify whether the officers of CSIRO/GA engaged by DES were directly involved in the GDEMP review process commissioned by the Department of Environment and Energy? Can you also provide Adani with the names of all CSIRO/GA officers engaged for the DES contract? Can you confirm that DES were consulted and participated with DoEE in the original questions put to CSIRO/GA?

We request the above information by close of business today. Please contact me if I can provide further information.

[redacted] s.73 [redacted]

[redacted] s.73 [redacted]

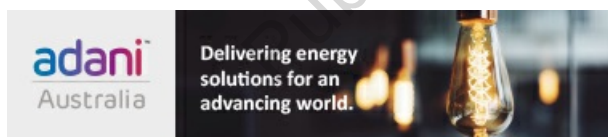
E [redacted] s.73 [redacted] adani.com.au

P office: +61 7 3223 4800 | direct: [redacted] s.73 [redacted]

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Date : 20/05/2019 4:32:16 PM
From : "WELLS Melissa"
To : "GRANT Andrea"
Cc : "BENNINK Kate" , "MCCOSKER Juliana"
Subject : FW: Draft holding lines for today
Attachment : image001.png;image002.png;
Hi amended. Getting on plane cheers!

The Department of Environment and Science met today with Adani representatives about the Groundwater Management and Monitoring Program (GMMP). This is a continuation of a series of meetings held between the department and the company to progress the plans and negotiations are continuing.

DES has sought updated advice from Geoscience Australia and CSIRO on Adani's Groundwater Dependent Ecosystem Management Plan (GDEMP). This includes further clarification around the evidence to support identification of the source aquifers (s) of the Doongmabulla Springs Complex.

DES is just as keen as Adani to finalise the management plans. However, ensuring the environmental integrity of the proposed mine is our number one priority.



Melissa Wells
Executive Director
Coal and Central Qld Compliance
Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720

From: GRANT Andrea <Andrea.Grant@des.qld.gov.au>
Sent: Monday, 20 May 2019 3:49 PM
To: WELLS Melissa
Subject: FW: Draft holding lines for today

The Department of Environment and Science met today with Adani representatives about the Groundwater Management and Monitoring Program. This is a continuation of a series of meetings held between the department and the company to progress the application.

Earlier this month DES requested clarification from Geoscience Australia and CSIRO on issues relating to a source aquifer in the area of the proposed mine. That clarification has not been received yet. We are now working closely with CSIRO and Geoscience Australia to lock in timeframes.

DES is just as keen as Adani to finalise this application. However, ensuring the environmental integrity of the proposed mine is our number one priority.

From: GRANT Andrea
Sent: Monday, 20 May 2019 11:16 AM
To: ELLWOOD Dean; LAWRENCE Rob
Cc: BENNINK Kate; WELLS Melissa
Subject: Draft holding lines for today

Dean and Rob

Below are potential holding lines for today.

The Department of Environment and Science met today with Adani representatives about the Groundwater Management and Monitoring Program. This is a continuation of a series of meetings held between the department and the company to progress the application.

Earlier this month DES requested clarification from Geoscience Australia and CSIRO on issues relating to a source aquifer in the area of the proposed mine. That clarification has not been received yet. We are now working closely with CSIRO and Geoscience Australia to lock in timeframes.

DES is just as keen as Adani to finalise this application. However, ensuring the environmental integrity of the proposed mine is our number one priority.

Date : 16/05/2019 5:39:36 PM
From : "WELLS Melissa"
To : "MERRICK Jamie" , "LAWRENCE Rob"
Subject : Fwd: Adani response to DES email 13 May 2019
Attachment : image002.png;image003.jpg;
FYI

Sent from my iPhone

Begin forwarded message:

From: WELLS Melissa <Melissa.Wells@des.qld.gov.au>
Date: 16 May 2019 at 5:15:23 pm AEST
To: [redacted] s.73 <[\[redacted\]@adani.com.au](mailto:[redacted]@adani.com.au)>
Cc: [redacted] s.73 <[\[redacted\]@adani.com.au](mailto:[redacted]@adani.com.au)>, ELLWOOD Dean <Dean.Ellwood@des.qld.gov.au>
Subject: RE: Adani response to DES email 13 May 2019

Hi [redacted] s.73

As stated, the CSIRO/GA advice is to provide clarification to the department about its original review in light of the revised GDEMP. Adani will be provided with a copy of the CSIRO/GA advice once it becomes available.

Kind regards,
Melissa.



Melissa Wells
Executive Director
Coal and Central Qld Compliance
Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720

From: [redacted] s.73 <[\[redacted\]@adani.com.au](mailto:[redacted]@adani.com.au)>
Sent: Tuesday, 14 May 2019 6:52 PM
To: WELLS Melissa
Cc: [redacted] s.73 ELLWOOD Dean
Subject: Re: Adani response to DES email 13 May 2019

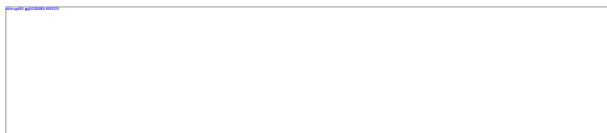
Melissa

Thank you for your email. As per my email this morning, can you please advise Adani as to when DES will provide Adani with a copy of the questions that you have provided CSIRO/GA in relation to the GDEMP?

[redacted] s.78B(2)

[redacted] s.73 | Adani Australia
[Level 25, AMP Place, 10 Eagle Street, Brisbane, QLD 4000](#)
Phone [redacted] s.73
[redacted] s.73 <[\[redacted\]@adani.com.au](mailto:[redacted]@adani.com.au)>

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s.73

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I remind you that the review of the Adani GDEMP undertaken by CSIRO/GA (the review) was commissioned by the Department of the Environment and Energy (DOEE).

While the department was consulted by DOEE on the review's terms of reference and attended a presentation of the CSIRO/GA's Tranche 1 advice, the department did not further participate or meet with CSIRO/GA during the DOEE independent review. Nor did the department have any commercial arrangement with CSIRO/GA regarding the DOEE review.

The final review (advice/report) was not provided to department until 9 April 2019, some four weeks after multiple requests by the department to DOEE, including requests at Ministerial level.

Again, given that Adani has submitted a revised version of the GDEMP (version 11b), a version that is different to the one that the CSIRO/GA review (advice/report) relied on, the department is simply seeking clarification from CSIRO/GA about its review in light of the revised GDEMP. This clarification will assist the department in part to decide whether the GDEMP is in compliance with the conditions of the environmental authority (EA) granted to Adani under the *Environmental Protection Act 1994* (Act) for the Carmichael Mine. This is not a 'new' review of the GDEMP, and it is entirely consistent with the clear message provided to Adani that the department would rely upon advice from CSIRO/GA and not seek other third party advice.

Given the resource implications and urgency around the timeliness of the advice sought from CSIRO/GA, the department considers the requirement of a contract and fee for service by CSIRO/GA as reasonable and consistent with any necessary governance in relation to a process such as this.

To date, the department has communicated with s.78B(2) CEO Geoscience Australia and s.78B(6) Personal information Director CSIRO in relation to the department's request.

The names of the officers of CSIRO/GA who will be involved in preparing advice for the department is a matter for CSIRO/GA. I am neither furnished with the information nor would it be appropriate for me to comment on the CSIRO/GA officers who were involved with the DOEE GDEMP review.

The department's actions in relation to the Adani GDEMP are directed solely at ensuring the proper administration of the Act and compliance with the conditions of the environmental authority.

My email of yesterday, gave you an indication on the timing of the review of the GDEMP by the department and the advice of CSIRO/GA.

Kind regards
Melissa

<image001.png> **Melissa Wells**
Executive Director
Coal and Central Qld Compliance
Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720

From: s.73 <s.73@adani.com.au>
Sent: Tuesday, 14 May 2019 10:21 AM
To: ELLWOOD Dean
Cc: WELLS Melissa; s.73
Subject: Adani response to DES email 13 May 2019

Dean

I refer to Melissa Well's email sent last evening. It would appear despite DES' public claims that you would not be seeking a new or further review of the scientific evidence presented by CSIRO /GA, you are in fact engaging in another review as evidenced by Ms Well's reference to having to put in place a new contract. If this round of questions was simply an extension of the work undertaken we do not see how there would be any requirement for a new contract.

Furthermore we submit that the email fails to provide Adani with the necessary clarity regarding the "contract" between DES and CSIRO/GA or the substance of the questions that have been presented to CSIRO/GA by DES. Accordingly and consistent with our request on Friday 10 May, we once again request a copy of the questions you have asked CSIRO/GA to consider under this new contract. This request is reasonable given DES is commissioning a new review or assessment of Adani's GDEMP, and that DES previously provided Adani with a copy of the Terms of Reference for the so-called Wintle Review of the BTFMP. An ability to consider the questions as posed by the DES to CSIRO/GA would seem a normal part of this process and is clearly required to permit us to fully participate.

Could you also clarify whether the officers of CSIRO/GA engaged by DES were directly involved in the GDEMP review process commissioned by the Department of Environment and Energy? Can you also provide Adani with the names of all CSIRO/GA officers engaged for the DES contract? Can you confirm that DES were consulted and participated with DoEE in the original questions put to CSIRO/GA?

We request the above information by close of business today. Please contact me if I can provide further information.

s.73

E s.73 adani.com.au

P office: +61 7 3223 4800 | direct: s.73

A Level 25, 10 Eagle Street, Brisbane, QLD, 4000

P GPO Box 2569, Brisbane, QLD, 4001

W adaniaustralia.com

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Date : 24/05/2019 10:05:56 AM

From : "ELLWOOD Dean"

To : "WELLS Melissa"

Subject : Fwd: Attachment 1 - Adani - Outstanding approvals - EBN19 437

Attachment : Attachment 1 - Adani - Outstanding approvals - EBN19 437.docx;ATT00001.htm;

Begin forwarded message:

From: [REDACTED] <[REDACTED]@coordinatorgeneral.qld.gov.au>
Date: 24 May 2019 at 9:35:08 am AEST
To: MERRICK Jamie <Jamie.Merrick@des.qld.gov.au>, ELLWOOD Dean <Dean.Ellwood@des.qld.gov.au>
Subject: Attachment 1 - Adani - Outstanding approvals - EBN19 437

Please see one change, a new footnote 1, please advise if ok with that wording

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Date : 17/05/2019 4:34:46 PM

From : "BENNINK Kate"

To : "WELLS Melissa"

Cc : "MCCOSKER Juliana"

Subject : Fwd: Letter re new information re Adani GDEMP

Attachment : DES GDEMP Letter May 2019.pdf;ATT00001.htm;

FYI

Kate Bennink

Director | Business Centre Coal

Department of Environment and Science

P 4987 9338 sch4p4 (6) Personal information

E kate.bennink@des.qld.gov.au

Begin forwarded message:

From: Carmel Flint <carmelflint@tpg.com.au>

Date: 17 May 2019 at 4:05:20 pm AEST

To: MERRICK Jamie <Jamie.Merrick@des.qld.gov.au>

Cc: BENNINK Kate <Kate.Bennink@des.qld.gov.au>

Subject: Letter re new information re Adani GDEMP

Hi Jamie,

Please find attached a letter from Lock the Gate Alliance about new information relating to the Adani GDEMP.

We would greatly appreciate an opportunity to meet to discuss these matters in more detail.

Could you advise whether you are available for a meeting and what might be a suitable time and date?

Thank you,

Carmel

Carmel Flint

Campaign Coordinator

Lock the Gate Alliance

sch4p4 (6) Personal information

Jamie Merrick
Director-General
Department of Environment and Science
GPO Box 2454, Brisbane Queensland 4001
By email to Jamie.Merrick@des.qld.gov.au



15th May 2019

Dear Jamie,

Re New information re Adani Groundwater Dependent Ecosystem Management Plan (GDEMP)

I am writing in relation to Adani's GDEMP and the recent reports provided on it by CSIRO and Geoscience Australia (dated November 2018 and February 2019).

As you are aware, the Adani EA requires that the source aquifer for groundwater dependent ecosystems, including the Doongmabulla Springs, are definitively identified in the GDEMP.

In light of that, you have stated previously that Adani would have to find the source aquifer of the Doongmabulla Springs complex before the GDEMP is approved

Reports confirm source aquifer/s have NOT been identified

However, the two CSIRO/Geoscience Australia reports confirm categorically that the source aquifers of the Doongmabulla Springs have not been conclusively identified.

The February 2019 report states that:

"It is not plausible and reasonable to state unequivocally that the Clematis Sandstone is the sole source aquifer for the DSC, as sufficient uncertainty surrounding hydrogeochemistry, inter-aquifer connectivity and groundwater flow exists (Currell et al., 2017; Lewis et al., 2018; Webb et al., 2015) to necessitate a precautionary approach to the conceptualisation (as ruled by the Land Court of Queensland, 2015).

Documents provided by the Proponent, including the GMMP, support the conceptualisation that the Clematis Sandstone is a source aquifer, but there is enough uncertainty around the information provided, as acknowledged by the Proponent, such as in GDEMP Section 4.3.1, to necessitate a robust assessment of potential alternative or additional source aquifers. The paucity of water level and hydrochemistry data for units other than the Clematis Sandstone in the vicinity of the DSC means that it is not possible to conclusively determine the source aquifer or aquifers for the DSC based on available evidence, and thus the precautionary principle must apply".

The November 2018 report states that:

“Evidence provided in the GABSRP supports the conceptualisation that the Clematis Sandstone is a source aquifer, but there is enough uncertainty around the information provided, as acknowledged by the Proponent, to necessitate a robust assessment of potential alternative or additional source aquifers. In addition, and as summarised below, the body of existing evidence available in the public domain shows that there is ambiguity in the source aquifers of the Doongmabulla Springs Complex (Currell et al., 2017; Evans et al., 2018; Fensham et al., 2016; Land Court of Queensland, 2015; Lewis et al., 2018; Webb et al., 2015; Webb, 2015).....

*The information provided and available in the public domain indicates that it is both plausible and reasonable that units other than the Clematis Sandstone, including below the Rewan Formation may be a source aquifer for the DSC. If these other units are providing flow to the DSC, then this would lead to an increase in impacts to the springs (high consequence) and is considered plausible (medium likelihood) – **High risk**.....*

And..... “until such time as more data is provided in the research and management plans, the conceptualisation whereby the Clematis Sandstone is recognised as the sole source aquifer is not the only reasonable and plausible conclusion”.

Additional work required to identify the source aquifer/s

The two reports also provide a number of recommendations about additional research that is or should be required to better understand groundwater interactions and to identify the source aquifer of the springs. Extra research which they refer to includes:

- a. Appropriate geochemical characterisation for each potential contributor to spring flow.
- b. Nested or adjacent bores installed to measure pressure in multiple hydrostratigraphic units
- c. A high resolution ground surface elevation model to properly assess groundwater pressures.
- d. Accurate stream gauging data.
- e. A three dimensional geological model, including geological structures and lithofacies variation.
- f. Additional seismic data acquisition

Specifically, the February 2019 report recommends that:

“To constrain the source aquifer(s) of the DSC, a more sophisticated statistical analysis of hydrochemistry data is required. This includes assessing a wider variety of groundwater and surface water analytes, as well as appropriate use of isotope hydrochemistry analysis. Further information on potential techniques is provided in (CSIRO and Geoscience Australia, 2018) and other readily available references.”

The November 2018 report states that:

Nested or adjacent bores installed to measure pressure in multiple hydrostratigraphic units are required to adequately assess groundwater pressure as it relates to springs, and also to address data gaps identified in the broader hydrogeological conceptualisation.....

A high resolution ground surface elevation model is required to properly assess groundwater pressures in relation to groundwater interaction with the land surface and contributions to and from surface water bodies. Similarly, accurate stream gauging data is required. This also extends to a need for representative spring flow measurements.....

Appropriate geochemical characterisation for each potential contributor to spring flow is necessary to identify spring source aquifers. This includes aquifer materials, surface water and groundwater. This type of assessment should consider a broad suite of parameters including but not limited to anions, cations, trace metals, and isotopes with analytical detection limits at trace levels, including parameters that are commonly associated with coal. This analysis and assessment should involve chemical and isotopic measurements of aquifer formations and springs, as well as alluvium and surface water.....

....a three dimensional geological model, including geological structures and lithofacies variation would provide extremely valuable information to underpin any hydrogeological conceptualisation, including the characteristics of the Rewan Formation.

Additional seismic data acquisition may be warranted, given the data quality issues that may affect reprocessing historical data outlined above....”

In light of these very strong conclusions from our premier scientific bodies, we are writing to seek confirmation that Adani will be required to conduct all of the research identified in the CSIRO/Geoscience Australia reports prior to any further consideration of the GDEMP by DES.

We note that any approval of the GDEMP without conducting the research identified by these scientific reports is likely to fall foul of the legal requirements set down in the Adani EA.

We would appreciate a response as to whether Adani will be required to undertake the full suite of research identified by CSIRO and Geoscience Australia, as listed above. I can be contacted at any time on 0400 521474 or by email at carmelflint@tpg.com.au

Yours sincerely,

sch4p4(6) Personal information

Carmel Flint,
Campaign Coordinator, Lock the Gate Alliance
PO Box 55 Helensvale Qld

Date : 16/05/2019 8:50:14 AM

From : s.73

To : s.73, "WELLS Melissa", "MCCOSKER Juliana", s.73

s.73

Subject : Groundwater Workshop

Published on DES Disclosure Log
RTI Act 2009

Date : 20/05/2019 10:07:16 AM

From : "BENNINK Kate"

To : "GRANT Andrea"

Cc : "WELLS Melissa"

Subject : HS - Today's Adani meeting

Attachment : Letter GA_CSIRO clarification 10 May 2019.pdf;image001.png;

Hi Andrea,

- 20 May 2019 – meeting between Adani and DES to discuss **Groundwater Management and Monitoring Program (GMMP)**.
- DES provided feedback on GMMP submitted on 9 April 2019 prior to meeting.

On 10 May 2019, DES sent letter (attached) to CSIRO and Geoscience Australia (GA) to seek clarification on certainty of the source aquifer(s) for the Doongmabulla Springs Complex (DSC).

DES is working with CSIRO and GA to determine the timeframes for response to DES's request.

DES previously met with Adani on 10 May 2019 to discuss timeframes for **Groundwater Dependent Ecosystem Management Plan (GDEMP)** and GMMP assessment.

Cheers

Kate



Kate Bennink

Director

Business Centre Coal | Coal and Central Queensland

Compliance

Environmental Services and Regulation

Department of Environment and Science

P (07) 4987-9334 (6) Personal information

E kate.bennink@des.qld.gov.au

99 Hospital Road, Emerald QLD 4720

PO Box 3028, Emerald QLD 4720

10 May 2019

s.78B(2)

Chief Executive Officer
Geoscience Australia
Cnr Jerroomberra Avenue and Hindmarsh Drive
SYMONSTON ACT 2609

By email: s.78B(2) [@ga.gov.au](mailto:s.78B(2)@ga.gov.au)

sch4p4(6) Personal information

Director
CSIRO Land and Water
Black Mountain Science and Innovation Park
Clunies Ross Street
ACTON ACT 2601

By email: s.78B(2) [@csiro.au](mailto:s.78B(2)@csiro.au)

Dea s.78B(2) and sch4p4(6) Personal information

Thank you for meeting with the Department of Environment and Science (the department) on 16 April 2019 to discuss the CSIRO and Geoscience Australia Report '*Advice on Groundwater Management and Monitoring and Groundwater Dependent Ecosystem Management plans to the Department of the Environment and Energy (CSIRO and Geoscience Australia, February 2019)*' (the 2019 Report).

Following the department's review of the 2019 Report, the department wishes to seek your advice about the type of investigation and research that may provide greater certainty regarding the department's interest in relation to the identification of the source aquifer(s) to the Doongmabulla Springs Complex (DSC).

The environmental authority (EA) for the Carmichael Coal Mine requires Adani to develop and implement a Groundwater Dependent Ecosystems Management Plan (GDEMP). The term GDEMP is defined in the EA and states, among other things, that a GDEMP must include '*detailed baseline research to establish the source aquifer(s) for groundwater supply to each groundwater dependent ecosystem [potentially or indirectly impacted by mining activities]*'.

Your 2019 Report states that:

'It is plausible and reasonable that the Clematis Sandstone is a major source aquifer for the DSC... It is not plausible and reasonable to state unequivocally that the Clematis Sandstone is the sole source aquifer for the DSC...' (p2); and

'Available evidence supports the conceptualisation that the Clematis Sandstone is a likely source aquifer for the DSC. However, the proposed monitoring and management approaches do not sufficiently address the uncertainty regarding the potential alternative or additional source aquifers (refer Section 3.2 and 3.3).' (p9); and

'To constrain the source aquifer(s) of the DSC, a more sophisticated statistical analysis of hydrochemistry data is required. This includes assessing a wider variety of groundwater and surface water analytes, as well as appropriate use of isotope hydrochemistry analysis. Further information on potential techniques is provided (CSIRO and Geoscience Australia, 2018) and other readily available references.' (p10)

Further, in advice given to the Commonwealth Department of the Environment and Energy, *'Advice on draft research plans to the Department of the Environment and Energy'*, dated November 2018, you state:

'An integrated analysis of existing and newly acquired geological, hydrodynamic and hydrochemical data would improve the conceptual understanding of the groundwater sources of the DSC'. (at page 5); and

'Further information on the specific methods and techniques to be applied to chemically assess the springs source and groundwater flow processes is required for a more detailed assessment to be made. This includes the need to define the analytical suite, quality assurance and quality control methods, and use of a broader range of isotopic and environmental traces...' (at page 13).

Having regard to the 2019 Report, the 2018 advice, and our meeting of 16 April 2019, the department has the understanding that the following further research (steps) would improve the certainty about the source aquifer(s) of the DSC and other groundwater dependent ecosystems:

1. hydrogeochemical analysis of water samples for comparison within and across relevant aquifers (Clematis Sandstone, Dunda Beds and Rewan Formation);
2. incorporation of the use of isotope and ageing tracers in the above hydrogeochemical analysis;
3. a comprehensive review of groundwater level and quality data from relevant aquifers including data from new proposed nested bores in the vicinity of DSC;
4. detailed geological mapping including cores from bores drilled in the vicinity of DSC and facies modelling to better inform hydraulic connectivity within and across all aquifers;
5. incorporation of the airborne electro-magnetic modelling recently completed by Geoscience Australia (and available to Adani by June 2020); and

6. revision of the conceptual understanding of the source aquifer(s) for DSC and groundwater system based on information collected from the above for incorporation into the groundwater model review (re-run).

Is this understanding correct? Does the above summary accurately reflect the CSIRO and GA advice with respect to further work required to increase certainty of the source aquifer(s) for the DSC?

In addition, the department seeks your advice on the following questions:

1. What is the level of confidence that the Clematis Sandstone aquifer is the main source for the DSC?
2. If there is a high level of uncertainty, what work should be undertaken to address and reduce the level of uncertainty regarding the potential alternative or additional source aquifers for the DSC?
3. For any additional work recommended for question 2, what is a realistic timeframe for the completion of each element of the additional work?
4. Are the groundwater drawdown trigger thresholds proposed in the new GDEMP appropriate and suitable to ensure the long-term protection of the DSC in light of your advice that the conceptual model is not fit for purpose?
5. Based on GDEMP version 11b, are there any other matters or recommendations that CSIRO and GA would highlight in order to ensure the effectiveness of the management plan in relation to environmental authority conditions?

This advice will assist the department's review and assessment of the GDEMP.

Given that the department wishes to progress the assessment of the GDEMP in a timely manner, there is some urgency to your advice. Could you please advise when you anticipate to be in a position to provide your advice.

By way of background, please refer to the GDEMP (version 11b) that was submitted to the department on 9 April 2019 (available at <https://www.adaniaustralia.com/-/media/Project/Australia/Our-Projects--Businesses/mine-environment-reporting/GDEMP-Final-V11b-19March2019.pdf?la=en&hash=C4988A8485428FD234C4A09023D08B34>), and the enclosed document 'Research Study Report – Source Aquifer to Doongmabulla Springs' that was provided to the department by Adani in November 2018.

Please do not hesitate to contact me on (07) 4987 9343 or at Melissa.Wells@des.qld.gov.au should you require further information about this request.

Yours sincerely

sch4p4(6) Personal information

Melissa Wells
Executive Director
Coal and Central Queensland Compliance

Enc.
Research Study Report – Source Aquifer to Doongmabulla Springs (revision 03, Adani, November 2018)

Date : 24/05/2019 11:37:14 AM

From : "ELLWOOD Dean"

To : s.73

sch 4(6) Personal information, "MERRICK Jamie", "WELLS Melissa"

Subject : Letter from DES

Attachment : 24 May 2019.pdf;ATT00001.htm;

s.73 pls find attached letter as discussed.

Regards

Dean

Published on DES Disclosure Log
RTI Act 2009



Department of
Environment and Science

Our Ref: Stage 2

24 May 2019

s.73

Adani Mining Pty Ltd
Level 25, 10 Eagle Street
BRISBANE QLD 4000

By email: s.73 @adani.com.au

Dear s.73

I am writing in reference to the combined meeting yesterday, 23 May 2019, between the Department of Environment and Science, Adani and the Coordinator General regarding the finalisation of the Black-throated Finch Management Plan (BTFMP) and the Groundwater Dependent Ecosystem Management Plan (GDEMP) for the Carmichael Coal Mine.

I have consulted with the delegate responsible for approving the BTFMP and GDEMP in accordance with the Environmental Authority for Carmichael Coal Mine. The delegate's view is that additional commitments may need to be included in both the BTFMP and GDEMP before they are capable of being approved. However, it is also the delegate's view that the commitments the delegate is currently considering are not of a kind that would prevent Adani from commencing Project stage 2 activities as soon as an approval decision is made. Should you require any further information, please contact Melissa Wells (07) 4987 9343 or by email at melissa.wells@des.qld.gov.au.

Yours sincerely sch4p4(6) Personal information

sch4p4(6) Personal information

Dean Ellwood
Project Executive

Date : 21/05/2019 12:33:09 PM

From : "TRACEY Ben"

To : "WELLS Melissa" , "ELLWOOD Dean"

Cc : "Media DES" , "LOWE Trinity" , "LAWRENCE Rob" , "ESR" , "DE JERSEY Timothy"

Subject : Melissa/Dean - New Adani query - Courier Mail

Attachment : image001.png;image003.png;

Hi Melissa/Dean,

We have just received a call from the Courier Mail asking if we issued a statement today/yesterday about Adani?

This is the statement we gave to three media outlets yesterday (please note I just changed tense).

Is it still okay/up to date? Did we want to make any changes before I respond to the Courier Mail (Domanii Cameron)?

Thanks

Ben

Please attribute the following to a Department of Environment and Science spokesperson:

Departmental representatives met with Adani **yesterday**. This is a continuation of a series of meetings held between the department and the company to progress the plans and negotiations are continuing.

The Department of Environment and Science has sought updated advice from CSIRO and Geoscience Australia on Adani's Groundwater Dependent Ecosystem Management Plan.

This includes further clarification around the evidence to support identification of the source aquifers of the Doongmabulla Springs Complex.

This advice will be important in assessing whether the latest version of the GDEMP addresses the longstanding conditions set out in the environmental authority requirements.

Regarding the Black Throated Finch Management Plan, the department has asked Adani to make a number of commitments to enable this plan to be finalised.



Ben Tracey
A/Principal Media Officer
Media Services | Corporate Services
Department of Environment and Science

P 07 3339 5845
media@des.qld.gov.au
400 George St, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

From : "WELLS Melissa"

To: [redacted]@csiro.au", [redacted] s.78B(2) [redacted]@ga.gov.au"

Subject : QLD DES Request CSIRO/GA Clarification

Attachment : Letter GA_CSIRO clarification 10 May 2019.pdf;Source Aquifer to Doongmabulla

Springs_final_20181129.pdf;image001.png;image002.png;

Good morning s.78B(2) and s.78B(6) Personal information

s.78B(2) as a Special Personal Apology was unable to reach you to discuss prior to sending the attached correspondence. Please feel free to give me a call to discuss when convenient.

Kind regards,
Melissa.



Melissa Wells
Executive Director
Coal and Central Qld Compliance
Department of Environment and Science

Coal and Central Qld Compliance
Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720

19-077

File E

Page 31 of 61

Date : 13/05/2019 6:16:18 PM
From : "WELLS Melissa"
To : s.73
Cc : "ELLWOOD Dean"
Subject : RE: Actions
Attachment : image001.jpg;image002.png;image003.png;

Good evening s.73

On behalf of Dean I can confirm DES will be in a position to provide Adani comments on the GMMP this week. As you are aware, a meeting request has been sent out for the BTFMP workshop and the meeting will take place in Rockhampton from 2.30-5pm this Wednesday. As discussed in our meeting last week, the relevant staff are unavailable to meet again later this week and the next earliest opportunity is Monday 20 May. If you have a preference for the meeting location please let me know and we can send a calendar invitation.

In regards to the questions posed to GA/CSIRO I can advise that DES is seeking clarification and feedback regarding the level of certainty around the source aquifer/s, its monitoring and management in light of the GA/CSIRO report, the resubmitted GDEMP (version 11b) and the relevant environmental authority conditions in accordance with the *Environmental Protection Act 1994*.

In relation to timing for clarification sought from GA/CSIRO, DES has expressed the urgency around the request. From discussions with GA today, DES is advised they are currently reviewing the request and will be in a position to provide certainty around timeframes later this week as the contract is in place.

We look forward to receiving your comments on the BTFMP prior to the workshop this Wednesday and finalising the BTFMP.

Kind regards,
Melissa



Melissa Wells
Executive Director
Coal and Central Qld Compliance
Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720

From s.73 @adani.com.au>
Sent: Monday, 13 May 2019 2:59 PM
To: ELLWOOD Dean; WELLS Melissa
Subject: Actions

Dean

Thank you for your time on Friday to talk through the finalisation of our management plans.

We have been consistent in requesting clarity of both process and timing to finalise the outstanding management plans. Based on the discussions from last Friday we understand that the following actions were committed to:

- In relation to the GMMP, DES will provide comments to Adani this week in a similar format to that provided for the BTFMP;
- Adani and DES will meet in a workshop to work through feedback on the GDEMP and GMMP. We note you offered Monday 20th May to hold this workshop. We stated our preference and desire for a meeting during the course of this week and we respectfully request that DES provide an opportunity for that timing to be met.
- For the BTFMP, on a forward looking basis, we agreed to meet on Wednesday the 15th of May to workshop the matters as expressed in the reasons in your Attachment A.
- Prior to that workshop this Wednesday, Adani will send through high level comments in relation to the reasons set out in your Attachment A of the BTFMP decision of 2 May 2019. These comments are being provided in the context of Adani considering resubmission and are without prejudice to any other right me may have with respect to the BTFMP decision.

We also again request that DES provide to Adani the questions asked of CSIRO & GA regarding the Source Aquifer (GDEMP), and the timing in which CSIRO & GA will respond to those questions. As discussed in the meeting you undertook to provide me with this information today.

Thanks

s.73

E s.73 @adani.com.au

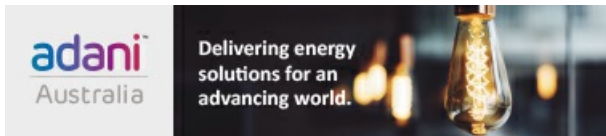
P office: +61 7 3223 4800 | direct: s.73

A Level 25, 10 Eagle Street, Brisbane, QLD, 4000

P GPO Box 92599, Brisbane, QLD, 4001

File E

Page 32 of 61



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Date : 22/05/2019 4:34:06 PM

From : "MCCOSKER Juliana"

To : sch4p4(6) Personal information

Cc : sch4p4(6) Personal information, "ROWLAND Philip", sch4p4(6) Personal information, "BENNINK Kate", "WELLS Melissa"

Subject : RE: Adani - current status of outstanding approvals

Attachment : Adani - Outstanding approvals 22 May 2019 DES.docx;image001.png;image003.png;

sch4p4(6) Personal information

Please see attached.

Ciao for now

Juliana

From: sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au>

Sent: Wednesday, 22 May 2019 2:28 PM

To: MCCOSKER Juliana

sch4p4(6) Personal information, ROWLAND Philip, sch4p4(6) Personal information, BENNINK Kate

Subject: Adani - current status of outstanding approvals

Hi Julianna,

You may have seen todays media about Adani and the Premier appointing Coordinator-General to oversee approvals and meet with Adani on Thursday. Refer following link:

<https://www.abc.net.au/news/2019-05-22/adani-approvals-removal-environment-department/11138140>

I phoned you to catch up and left a message to call me if you can.

Thanks for providing the attached update in on 12/4/19 and sending to sch4p4(6) Personal information

sch4p4(6) Personal information is no longer Director on Adani here in CPD. This role has gone to sch4p4(6) Personal information

The CG has asked for an update on the status of all outstanding Adani approvals.

Appreciate it if you could update your comments from 12/4/19 on attached table (and add any that might be missing) and return today if possible for the CGs meeting tomorrow.

Thanks

s.78B(2)



s.78B(2)

Project Manager
Coordinated Project Delivery
Department of State Development,
Manufacturing, Infrastructure and Planning

P 07 3452 7485
Level 17, 1 William Street, Brisbane QLD 4000
PO Box 15517, City East QLD 4002
www.coordinatorgeneral.qld.gov.au

From: MCCOSKER Juliana <Juliana.Mccosker@des.qld.gov.au>

Sent: Friday, 12 April 2019 4:17 PM

To: sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au>

Cc: ROWLAND Philip <Philip.Rowland@des.qld.gov.au>; BENNINK Kate <Kate.Bennink@des.qld.gov.au>

Subject: re.Adani approvals

sch4p4(6) Personal information

Please see attached.

Ciao for now

Juliana

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RTI Act 2009

Date : 16/05/2019 4:23:44 PM

From : "Media DES"

To : s.78B(2)

Cc : "Media DES"

Subject : Re: Adani Groundwater Management Plan

Attachment : 160519 - Adani GDEMP - The Australian.pdf;

Good afternoon s.78B(2)

Thanks for your enquiry re the Adani GDEMP. A departmental response is attached.

Regards

Kieran Lewis

Media Services

Department of Environment and Science

media@des.qld.gov.au

Level 31 | 400 George Street | Brisbane

Tel 07 3339 5831

www.des.qld.gov.au

If you are emailing about a media matter, please cc media@des.qld.gov.au

From s.78B(2) @theaustralian.com.au>

Sent: Thursday, 16 May 2019 11:42 AM

To: Media DES

Subject: Adani Groundwater Management Plan

Good morning,

Speaking on Sky News yesterday, Adani Mining CEO Lucas Dow said the Department of Environment and Science had put in place a contract that includes fee for service with CSIRO and Geoscience Australia to do a further review on the Groundwater Dependent Ecosystems Management Plan.

Is this correct?

Have timeframes been set out for CSIRO and GeoScience Australia to update their review of the latest version of the GDEMP?

A response by 4pm would be appreciated.

Regards,

s.78B(2)

Journalist

Cnr Mayne Road & Campbell Street Bowen Hills QLD 4006

T +61 7 3666 6074 (6) Personal information

E peelc1@theaustralian.com.au w theaustralian.com.au

Media response

Re: Adani GDEMP

For: s.78B(2)
The Australian
3666 6172 / s.78B(2) s.4(6) Personal information
s.78B(2) @theaustralian.com.au

Date: 16 May 2019

Questions

Speaking on Sky News yesterday, Adani Mining s.73 said the Department of Environment and Science had put in place a contract that includes fee for service with CSIRO and Geoscience Australia to do a further review on the Groundwater Dependent Ecosystems Management Plan.

Is this correct?

Have timeframes been set out for CSIRO and GeoScience Australia to update their review of the latest version of the GDEMP?

Please attribute to a Department of Environment and Science (DES) spokesperson:

The Department of Environment and Science has sought updated advice from CSIRO and Geoscience Australia on the latest version of Adani's Groundwater Dependent Ecosystem Management Plan (GDEMP), as this was not the version that was reviewed by CSIRO and Geoscience Australia.

DES is seeking clarification around the evidence to support identification of the source aquifer(s) of the Doongmabulla Springs Complex. DES has not sought advice on issues outside those that were covered in the CSIRO and Geoscience Australia report of February 2019.

Given the initial review was undertaken by CSIRO and Geoscience Australia on behalf of the Commonwealth Department of the Environment and Energy, it is appropriate and reasonable for DES to seek this clarification and advice through its own agreement with the technical agencies.

ENDS

For further media enquiries contact Media Services on (07) 3339 5831 or email media@des.qld.gov.au.

Date : 23/05/2019 2:39:28 PM
From : "MCCOSKER Juliana"
To : "ELLWOOD Dean" , "WELLS Melissa"
Subject : re. BTFMP and GDEMP
Attachment : image001.png;image003.png;
Hi Dean and Melissa,

Please note, as the delegate for the approvals of the Black-throated Finch Management Plan and the Groundwater Dependent Ecosystem Management Plan and in accordance with the environmental authority requirements for Carmichael Coal Mine, any required potential commitments for additional work will not preclude the commencement of Project stage 2 activities at the mine site.

Ciao for now

Juliana



Juliana McCosker
Manager
Business Centre Coal - Coal and Central Queensland Compliance
Department of Environment and Science
P 07 4987 9356
99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720

Published on DES Disclosure Log
RTI Act 2009

Date : 21/05/2019 5:30:53 PM
From : "LEWIS Kieran"
To : s.78B(2)
Cc : "Media DES"
Subject : Re: Carmichael coal mine
Hi s.78B(2)

I understand you were after the latest statement re the Carmichael coal mine. Please see below.

Please attribute the following to a Department of Environment and Science spokesperson:

Departmental representatives met with Adani yesterday. This is a continuation of a series of meetings held between the department and the company to progress the plans and negotiations are continuing.

The Department of Environment and Science has sought updated advice from CSIRO and Geoscience Australia on Adani's Groundwater Dependent Ecosystem Management Plan.

This includes further clarification around the evidence to support identification of the source aquifers of the Doongmabulla Springs Complex.

This advice will be important in assessing whether the latest version of the GDEMP addresses the longstanding conditions set out in the environmental authority requirements.

Regarding the Black Throated Finch Management Plan, the department has asked Adani to make a number of commitments to enable this plan to be finalised.

ENDS

Regards

Kieran Lewis
Media Services
Department of Environment and Science
media@des.qld.gov.au

Level 31 | 400 George Street | Brisbane
Tel 07 3339 5831
www.des.qld.gov.au

If you are emailing about a media matter, please cc media@des.qld.gov.au

Date : 10/05/2019 7:28:22 AM
From : "WELLS Melissa"
To : "MERRICK Jamie"
Subject : Re: CSIRO/GA Letter
Thanks Jamie I will be around if you need

Sent from my iPhone

> On 10 May 2019, at 6:48 am, MERRICK Jamie <Jamie.Merrick@des.qld.gov.au> wrote:

>

> Hi Melissa

>

> I have a minor comment that I will send through when I get in -

sch4p4(6) Personal information

>

> Cheers

> Jamie

>

> Sent from my iPhone

Published on DES Disclosure Log
RTI Act 2009

Date : 13/05/2019 3:27:38 PM
From : "ELLWOOD Dean"
To : "Media DES"
Cc : "WELLS Melissa" , "ESR" , "DOBBYN Andrea"
Subject : Re: Dean for approval - Adani response (followup) Brisbane Times
Attachment : image002.png;image005.jpg;image009.png;image010.png;

Approved

On 13 May 2019, at 3:24 pm, Media DES <Media@des.qld.gov.au> wrote:

Dean

For approval please – response below/attached to Brisbane Times, which had followup questions after getting the latest Adani statement.

Melissa Wells has approved.

Thanks

Andrea

Media response

Re: Adani follow – groundwater plan

For: Brisbane Times s.78B(2)

Enquiry received: 13 May 2019

Media deadline: 13 May 2019

Date: 13 May 2019

Questions

Brisbane Times questions over reports of a "another delays" to Adani project put in place by Queensland Govt

1 - Am I correct to say the information provided to Federal Govt by CSIRO and Geoscience Australia in February 2019 was version 11 of the groundwater plan?

2 - That is the latest groundwater plan from CSIRO?

3 - Is it correct to say Qld's Department of Environment and Science wants to corroborate the groundwater data which led the CSIRO to say in its report.

"A number of limitations were also identified in the proposed monitoring and management approaches indicating they are not sufficiently robust to monitor and minimise impacts to protected environments," the [CSIRO's February 2019 groundwater studies found](#).

(Reported by Brisbane Times on April 11, 2019.)

Please attribute to a Department of Environment and Science (DES) spokesperson:

1 - Am I correct to say the information provided to Federal Govt by CSIRO and Geoscience Australia in February 2019 was version 11 of the groundwater plan?

No. As per the CSIRO report, the review was undertaken on GMMP revision 5 and GDEMP version 10a:

<https://www.environment.gov.au/system/files/pages/cb8a9e41-eba5-47a4-8b72-154d0a5a6956/files/csiro-geoscience-australia-final-advice.pdf>

2 - That is the latest groundwater plan from CSIRO?

The latest version of the GDEMP, developed by Adani, is Version 11b and is available on Adani's website here:

<https://www.adaniaustralia.com/-/media/Project/Australia/Our-Projects--Businesses/mine-environment-reporting/GDEMP-Final-V11b-19March2019.pdf?la=en&hash=C4988A8485428FD234C4A09023D08B34>

3 - Is it correct to say Qld's Department of Environment and Science wants to corroborate the groundwater data which led the CSIRO to say in its report.

In regards to the CSIRO's report and in light of a resubmitted GDEMP (version 11b), DES is seeking clarity and feedback regarding the level of certainty around the source aquifer, its monitoring and management.

ENDS

For further media enquiries contact Media Services on (07) 3339 5831 or email media@des.qld.gov.au

<image002.png> **Andrea Dobbyn**

Senior Media Officer

Media Services | Corporate Communications

Department of Environment and Science

P 07 3339 5848 or ext 7444 (M) Personal information

GPO Box 2454, Brisbane QLD 4001

If it's a media matter, please include the group email media@des.qld.gov.au

Website www.des.qld.gov.au

<image005.jpg>

From: WELLS Melissa <Melissa.Wells@des.qld.gov.au>

Sent: Monday, 13 May 2019 3:17 PM

To: WATSON Matthew

Cc: Media DES

Subject: RE: MeLissa: Adani response Brisbane Times

I am fine Matt

<image009.png>

Melissa Wells

Executive Director

Coal and Central Qld Compliance

Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720

PO Box 3028, Emerald QLD 4720

From: WATSON Matthew <Matthew.Watson@des.qld.gov.au>

Sent: Monday, 13 May 2019 3:03 PM

To: WELLS Melissa

Cc: Media DES

Subject: MeLissa: Adani response Brisbane Times

Hi Mel,

Please see below and attached for your approval.

Is this okay?

Cheers

Media response

Re: Adani follow – groundwater plan

For: Brisbane Times s.78B(2)

Enquiry received: 13 May 2019

Media deadline: 13 May 2019

Date: 13 May 2019

Questions

From: s.78B(2) <[s.78B\(2\)@brisbanetimes.com.au](mailto:s.78B(2)@brisbanetimes.com.au)>

Sent: Monday, 13 May 2019 12:04 PM

To: Media DES

Subject: Re: Brisbane Times questions over reports of a "another delays" to Adani project put in place by Queensland Govt

1 - Am I correct to say the information provided to Federal Govt by CSIRO and Geoscience Australia in February 2019 was version 11 of the groundwater plan?

2 - That is the latest groundwater plan from CSIRO?

3 - Is it correct to say Qld's Department of Environment and Science wants to corroborate the groundwater data which led the CSIRO to say in its report.

“A number of limitations were also identified in the proposed monitoring and management approaches indicating they are not sufficiently robust to monitor and minimise impacts to protected environments,” the [CSIRO's February 2019 groundwater studies found](#).

(Reported by Brisbane Times on April 11, 2019.)

Please attribute to a Department of Environment and Science (DES) spokesperson:

1 - Am I correct to say the information provided to Federal Govt by CSIRO and Geoscience Australia in February 2019 was version 11 of the groundwater plan?

No. As per the CSIRO report, the review was undertaken on GMMP revision 5 and GDEMP version 10a:

<https://www.environment.gov.au/system/files/pages/cb8a9e41-eba5-47a4-8b72-154d0a5a6956/files/csiro-geoscience-australia-final-advice.pdf>

2 - That is the latest groundwater plan from CSIRO?

The latest version of the GDEMP, developed by Adani, is Version 11b and is available on Adani's website here:

<https://www.adaniaustralia.com/-/media/Project/Australia/Our-Projects--Businesses/mine-environment-reporting/GDEMP-Final-V11b-19March2019.pdf?la=en&hash=C4988A8485428FD234C4A09023D08B34>

3 - Is it correct to say Qld's Department of Environment and Science wants to corroborate the groundwater data which led the CSIRO to say in its report.

In regards to the CSIRO's report and in light of a resubmitted GDEMP (version 11b), DES is seeking clarity and feedback regarding the level of certainty around the source aquifer, its monitoring and management.

ENDS

For further media enquiries contact Media Services on (07) 3339 5831 or email media@des.qld.gov.au

<image010.png>Matt Watson

Principal Media Officer

Media Services | Corporate Communications

Department of Environment and Science

P 07 3339 5819 or ext 3344 (6) Personal information

GPO Box 2454, Brisbane QLD 4001

If it's a media matter, please include the group email media@des.qld.gov.au

Website www.des.qld.gov.au

<130519 - Adani GDEMP - Brisbane Times.docx>

Date : 23/05/2019 5:27:24 PM

From: (b) (6) Personal information

To : "ELLWOOD Dean", (b) (6) s.73

Cc : "MERRICK Jamie", "WELLS Melissa"

Subject : RE: DES request

Attachment : image003.png;image004.png;image005.png;image006.png;

Thanks Dean



(b) (6) Personal information

Coordinator-General

Department of State Development, Manufacturing, Infrastructure and Planning

P: 07 34525000 (b) (6) Personal information

E: coordinatorgeneral.qld.gov.au

Level 14 | 1 William Street | Brisbane QLD 4000 | PO Box 15517 | City East QLD 4002

From: ELLWOOD Dean <Dean.Ellwood@des.qld.gov.au>

Sent: Thursday, 23 May 2019 5:23 PM

To: (b) (6) Personal information <(b) (6) Personal information@adani.com.au>

Cc: MERRICK Jamie <Jamie.Merrick@des.qld.gov.au> (b) (6) Personal information <(b) (6) Personal information@coordinatorgeneral.qld.gov.au>; WELLS Melissa <Melissa.Wells@des.qld.gov.au>

Subject: DES request

(b) (6) Personal information (b) (6) Personal information attached DES request to CSIRO/GA. I will also provide further correspondence tomorrow with respect to any additional requirements for either BTFM and GDEM plans will not preclude the commencement of stage 2 activities.

Regards
dean



Dean Ellwood

Project Executive

Department of Environment and Science

400 George St, Brisbane QLD 4000

GPO Box 2454, Brisbane QLD 4001

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Date : 29/05/2019 12:52:37 PM

From : "WELLS Melissa"

To : sch4p4(6) Personal information

Subject : Re: For advice - Telecon with Dean Elwood and CSIRO tomorrow

Sure great thanks Larissa

Sent from my iPhone

> On 29 May 2019, at 12:24 pm, sch4p4(6) Personal information <coordinatorgeneral.qld.gov.au> wrote:

>

> Hi Melissa

>

> Thank you for getting back to me. I do appreciate the offer to change your plans to accommodate the sch4p4(6) Personal information work to tomorrow afternoon so I will keep 3.30pm free.

>

> sch4p4(6) Personal information waiting response re availability. I will get back to you as soon as possible.

>

> Thank you again

>

>

> Regards

>

>

sch4p4(6) Personal information

> A/Executive Officer (Tue - Fri)

> Coordinator-General's Directorate

> Department of State Development,

> Manufacturing, Infrastructure and Planning

> -----

> P 07 3452 7024

> Level 14, 1 William Street, Brisbane QLD 4000

> PO Box 15517, City East QLD 4002

> www.dsdmip.qld.gov.au

>

> LET'S CONNECT

>

>

>

>

>

> -----Original Message-----

> From: WELLS Melissa <Melissa.Wells@des.qld.gov.au>

> Sent: Wednesday, 29 May 2019 10:08 AM

> To: sch4p4(6) Personal information <coordinatorgeneral.qld.gov.au>

> Subject: Re: For advice - Telecon with Dean Elwood and CSIRO tomorrow

>

> I could delay departure until 11.30? Apologies I am travelling in a car with others - alternatively anytime after 3.30 I think gets me clear with reception

>

> Sent from my iPhone

>

>> On 29 May 2019, at 9:51 am, sch4p4(6) Personal information <coordinatorgeneral.qld.gov.au> wrote:

>>

>> Hi Melissa

>>

>> Thank you for getting back to me. Could you please advise when the latest tomorrow you think you would have mobile coverage? I may need to ask Dean to move a meeting to accommodate the teleconference.

>>

>> Thank you

>>

>>

>> Regards

>>

>>

sch4p4(6) Personal information

>> A/Executive Officer (Tue - Fri)

>> Coordinator-General's Directorate

>> Department of State Development,

>> Manufacturing, Infrastructure and Planning

>> -----

>> -----

>> -

>> P 07 3452 7024

>> Level 14, 1 William Street, Brisbane QLD 4000 PO Box 15517, City East

>> QLD 4002

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>>

>> LET'S CONNECT

>>

>>

>>

>>

>>

>> -----Original Message-----

>> From: WELLS Melissa <Melissa.Wells@des.qld.gov.au>

>> Sent: Wednesday, 29 May 2019 9:39 AM
>> sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au>
>> Subject: Re: For advice - Telecon with Dean Elwood and CSIRO tomorrow

sch4p4(6) Personal information and will be between Rockhampton and Emerald. I will be available on my mobile but service is likely to be a problem.

>> Sent from my iPhone

>>> On 29 May 2019, at 9:29 am, sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au> wrote:

>>> Hi Melissa

>>> Than you for your prompt response.

>>> Unfortunately Dean and Jamie are not available at 10.30am. Could you please advise if you are available between 12.30pm and 1.30pm?

>>> Thank you again

>>> Regards

sch4p4(6) Personal information

>>> A/Executive Officer (Tue - Fri)
>>> Coordinator-General's Directorate
>>> Department of State Development,
>>> Manufacturing, Infrastructure and Planning

>>> -

>>> -

>>> P 07 3452 7024

>>> Level 14, 1 William Street, Brisbane QLD 4000 PO Box 15517, City East

>>> QLD 4002

>>> https://urldefense.proofpoint.com/v2/url?u=https-3A__aus01.safelinks.protection.outlook.com_-3Furl-3Dhttps-253A-252F-252Furl&d=DwIFAg&c=tpTelpKGw9ZbZ5Dlo0lybSxHDHiiYjksG4icXfalgk&r=7HjOT_SUyqEvsZaU27z7Hk6XsU02f72iR_ANMMHcT2k&m=vmT8SrX-oiWZG8tj3i7y4lmqRdDgbBg1_y-KNsAaP_A&s=qJ1y4gZl0k5sYPIs4zeHRegXRuPsXXT_E79V_n14hok&e=defense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__aus01.safelinks.protection.outlook.com_-3Furl-3Dwww.dsdmip.qld.gov%26d%3DDwIFAg%26c%3DtpTelpKGw9ZbZ5Dlo0lybSxHDHiiYjksG4icXfalgk%26r%3D7HjOT_SUyqEvsZaU27z7Hk6XsU02f72iR_ANMMHcT2k%26m%3DvmT8SrX-oiWZG8tj3i7y4lmqRdDgbBg1_y-KNsAaP_A&data=02%7C01%7CClarissa.ferguson%40coordinatorgeneral.qld.gov.au%7Cebd40faf55a34d4f8f5608d6e3e9c174%7C7db2bee6535c4748bf78c30733511bcd%7C0%7C0%7C63694683516057918&data=6%2Fic%2F%2BRZCEzwJCIGuBFxEAh1C5TrhLbd8lgHjFFM0A%3D&reserved=0=.au&data=02%7C01%7CClarissa.ferguson%40coordinatorgeneral.qld.gov.au%7C442787138ec44fb71e4c08d6e3c5b02c%7C7db2bee6535c4748bf78c30733511bcd%7C0%7C0%7C63694683516057918&data=xMiBFTophdHSxBgO8xOdNxxOw4KHzyVbZWuzeCftI%3D&reserved=0

>>> defense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__aus01.safelinks.pro

>>> tection.outlook.com_-3Furl-3Dwww.dsdmip.qld.gov%26d%3DDwIFAg%26c%3Dtp

>>> TelpKGw9ZbZ5Dlo0lybSxHDHiiYjksG4icXfalgk%26r%3D7HjOT_SUyqEvsZaU27z7H

>>> k6XsU02f72iR_ANMMHcT2k%26m%3DvmT8SrX-oiWZG8tj3i7y4lmqRdDgbBg1_y-KNsAaP_A&s=qJ1y4gZl0k5sYPIs4zeHRegXRuPsXXT_E79V_n14hok&e=

>>> phI%26s%3DSsRMSE7Z3qQnEe95g8yJVyS4rvbgezzxE6Q1lr_9Ot4%26e&data=02

>>> %7C01%7CClarissa.ferguson%40coordinatorgeneral.qld.gov.au%7Cebd40faf55

>>> a34d4f8f5608d6e3e9c174%7C7db2bee6535c4748bf78c30733511bcd%7C0%7C0%7C6

>>> 3694683516057918&data=6%2Fic%2F%2BRZCEzwJCIGuBFxEAh1C5TrhLbd8l

>>> gHjFFM0A%3D&reserved=0=

>>> .au&data=02%7C01%7CClarissa.ferguson%40coordinatorgeneral.qld.gov.

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>>> u%7C442787138ec44fb71e4c08d6e3c5b02c%7C7db2bee6535c4748bf78c30733511b

>>> c

>>> d%7C0%7C0%7C63694683516057918&data=xMiBFTophdHSxBgO8xOdNxxOw4KH

>>> p

>>> zsyVbZWuzeCftI%3D&reserved=0

>>> LET'S CONNECT

>>> -----Original Message-----

>>> From: WELLS Melissa <Melissa.Wells@des.qld.gov.au>

>>> Sent: Wednesday, 29 May 2019 9:17 AM

>>> sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au>

>>> Subject: Re: For advice - Telecon with Dean Elwood and CSIRO tomorrow

sch4p4(6) Personal information will be travelling at 2pm. Thanks Melissa.

>>> Sent from my iPhone

>>> On 29 May 2019, at 9:13 am, sch4p4(6) Personal information@coordinatorgeneral.qld.gov.au> wrote:

>>> Good morning Melissa

>>> Regarding the email sch4p4(6) Personal information please advise your available tomorrow for 20 minutes teleconference at 10.30am or 2pm?

>>> Please advise if these times are not suitable.

>>> Thank you

>>> Regards

>>> <image002.png>

sch4p4(6) Personal information

>>> A/Executive Officer (Tue - Fri)
>>> Coordinator-General's Directorate
>>> Department of State Development,
>>> Manufacturing, Infrastructure and Planning

Date : 8/05/2019 3:31:49 PM

From : "MCCOSKER Juliana"

To : "WELLS Melissa"

Cc : "BENNINK Kate"

Subject : re. letters to CSIRO and GA

Attachment : Letter to GA clarification 090519.docx;Letter to CSIRO clarification 090519.docx;image001.png;image003.png;

Hi Melissa,

Please see updated revised letter(s) based on Sonia's input.

Ciao for now

Juliana



Juliana McCosker

Manager

Business Centre Coal - Coal and Central Queensland Compliance

Department of Environment and Science

P 07 4987 9356 (6) Personal information

99 Hospital Road, Emerald QLD 4720

PO Box 3028, Emerald QLD 4720

Published on DES Disclosure Log
RTI Act 2009

9 May 2019

sch4p4(6) Personal information

Director – CSIRO Land and Water
Black Mountain Science and Innovation Park,
Clunies Ross Street,
Acton
CANBERRA CITY ACT 2601

By email: [sch4p4\(6\)@csiro.au](mailto:sch4p4(6)@csiro.au)

sch4p4(6) Personal information

Dear [sch4p4\(6\)](#),
Thank you for meeting with representatives from the Department of Environment and Science (the department) on 16 April 2019 to discuss the report '*Advice on Groundwater Management and Monitoring and Groundwater Dependent Ecosystem Management plans to the Department of the Environment and Energy (CSIRO and Geoscience Australia, February 2019)*'.

The department has now reviewed the report and requests clarification about the research recommended by CSIRO and Geoscience Australia to provide greater certainty of the source aquifer(s) to the Doongmabulla Springs Complex (DSC).

This is based on the recommendation in the Advice report on page 9 point 2 which states – '*Available evidence supports the conceptualisation that the Clematis Sandstone is a likely source aquifer for the DSC. However, the proposed monitoring and management approaches do not sufficiently address the uncertainty regarding the potential alternative or additional source aquifers.*' (p9); and

'The Advice recommends that to constrain the source aquifer(s) of the DSC, a more sophisticated statistical analysis of hydrochemistry data is required. This includes assessing a wider variety of groundwater and surface water analytes, as well as appropriate use of isotope hydrochemistry analysis. Further information on potential techniques is provided (CSIRO and Geoscience Australia, 2018).'' (p10).

The department also notes that in your advice to the Department of the Environment and Energy in November 2018 on the draft research plans for Carmichael Coal Mine, the following statements were made:

'an integrated analysis of existing and newly acquired geological, hydrodynamic and hydrochemical data to improve the conceptual understanding of the groundwater sources of the DSC'. (p5); and

'need to define the analytical suite, quality assurance and quality control methods, and use a broader range of isotopic and environmental traces' to assess the springs source and groundwater flow processes (p13).

The department is of the understanding that the following sequential process for undertaking further research could be committed to by Adani to improve the certainty about the source aquifer(s) of the DSC:

1. hydrogeochemical analysis of water samples for comparison within and across relevant aquifers (Clematis Sandstone, Dunda Beds, and Rewan Formation);
2. incorporation of the use of isotope and ageing tracers in the above hydrogeochemical analysis;
3. a comprehensive review of groundwater level and quality data from relevant aquifers including data from new proposed nested bores in the vicinity of DSC;
4. detailed geological mapping including cores from bores drilled in the vicinity of DSC and facies modelling to better inform hydraulic connectivity within and across all aquifers;
5. incorporation of the airborne electro-magnetic modelling recently completed by Geoscience Australia (and available to Adani by June 2020); and
6. revision of the conceptual understanding of the source aquifer(s) for DSC and groundwater system based on information collected from the above for incorporation into the groundwater model review (re-run).

The department requests review and advice on the above steps, and confirmation as to whether the proposed process adequately details your recommendations and how this would be better detailed to the proponent to ensure a better understanding of the source aquifer(s) of DSC.

Your advice will enable my staff to consider the review report in the assessment of the GDEMP and GMMP with respect to the relevant environmental authority condition requirements.

To provide the appropriate context, please find attached the current version of the GDEMP (version 11b) that was submitted to the department on 9 April 2019, and the *Research Study Report – Source Aquifer to Doongmabulla Springs* that was provided to the department by Adani in November 2018.

Please do not hesitate to contact me on (07) 4987 9343 or Melissa.wells@des.qld.gov.au should you require further information about this request.

Yours sincerely

Melissa Wells
Executive Director
Coal and Central Queensland Compliance

Published on DES Disclosure Log
RTI Act 2009

Date : 20/05/2019 3:27:15 PM

From : "ELLWOOD Dean"

To : "WELLS Melissa" , "TRACEY Ben"

Cc : "MCCOSKER Juliana" , "Media DES" , "LOWE Trinity" , "ESR" , "BENNINK Kate" , "LAWRENCE Rob" , "DAUNT Bettina"

Subject : RE: Melissa/Rob - new media response for approval - latest on Adani - SMH - URGENT

Attachment : image001.png;image004.png;image005.png;image008.png;image010.png;image011.png;

[concur](#)

From: WELLS Melissa <Melissa.Wells@des.qld.gov.au>

Sent: Monday, 20 May 2019 3:25 PM

To: TRACEY Ben; ELLWOOD Dean

Cc: MCCOSKER Juliana; Media DES; LOWE Trinity; ESR; BENNINK Kate; LAWRENCE Rob; DAUNT Bettina

Subject: RE: Melissa/Rob - new media response for approval - latest on Adani - SMH - URGENT

Hi Dean - suggested amendments for your consideration. My preference is for the first highlighted statement below as the reference to the GMMP may confuse matters. Thanks, Melissa.

The Department of Environment and Science **has sought updated advice** from CSIRO and Geoscience Australia on Adani's Groundwater Dependent Ecosystem Management Plan.

This includes further clarification around the evidence to support identification of the source aquifer(s) of the Doongmabulla Springs Complex.

This advice will be important in assessing whether the latest version of the GDEMP addresses the longstanding conditions set out in the environmental authority requirements.

Regarding the Black Throated Finch Management Plan, the department has asked Adani to make a number of commitments to enable this plan to be finalised.

Departmental representatives met with Adani today. This is a continuation of a series of meetings held between the department and the company to progress the plans and negotiations are continuing.

OR

Departmental representatives met with Adani today and had a positive meeting to discuss its Groundwater Management and Monitoring Program (GMMP). This is a continuation of a series of meetings held between the department and the company to progress the plans and negotiations are continuing.



Melissa Wells
Executive Director
Coal and Central Qld Compliance
Department of Environment and Science

P 07 4987 9343

99 Hospital Road, Emerald QLD 4720
PO Box 3028, Emerald QLD 4720

From: TRACEY Ben <Ben.Tracey@des.qld.gov.au>

Sent: Monday, 20 May 2019 3:02 PM

To: WELLS Melissa; LAWRENCE Rob

Cc: MCCOSKER Juliana; Media DES; LOWE Trinity; ESR; BENNINK Kate; ELLWOOD Dean; DAUNT Bettina

Subject: Melissa/Rob - new media response for approval - latest on Adani - SMH - URGENT

Importance: High

Hi Melissa/Rob,

Please see below a draft media response for the SMH: (they have asked the MO for the "latest").

This has been approved by Kate Bennink.

Apologies for sending this to both of you, the MO would like to see our draft now:

Dependent Ecosystem Management Plan.

This includes further clarification around the evidence to support identification of the source aquifer(s) of the Doongmabulla Springs Complex.

This advice will be important in assessing whether the latest version of the GDEMP addresses the longstanding conditions set out in the environmental authority requirements.

Regarding the Black Throated Finch Management Plan, the department has asked Adani to make a number of commitments to enable this plan to be finalised.

Departmental representatives are today meeting with Adani representatives.



Ben Tracey
A/Principal Media Officer
Media Services | Corporate Services
Department of Environment and Science

P 07 3339 5845
media@des.qld.gov.au
400 George St, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

From: TRACEY Ben
Sent: Monday, 20 May 2019 2:16 PM
To: BENNINK Kate
Cc: WELLS Melissa; MCCOSKER Juliana; LAWRENCE Rob; Media DES; TRACEY Ben; LOWE Trinity; ESR
Subject: Kate - new media query - latest on Adani - SMH - URGENT
Importance: High

Hi Kate,

Please see below a new media query.

As discussed, are we able to edit the below statement with a line advising there is/was a meeting today? (Im waiting to hear back from my director about the HS for today's meeting).

Thanks
Ben



Ben Tracey
A/Principal Media Officer
Media Services | Corporate Services
Department of Environment and Science

P 07 3339 5845
media@des.qld.gov.au
400 George St, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

Media response

Please attribute to a Department of Environment and Science (DES) spokesperson:

The Department of Environment and Science (DES) confirms its earlier public statements that it will not seek its own independent scientific review of Adani's Groundwater Dependent Ecosystem Management Plan (GDEMP) but will instead rely on the advice given by CSIRO and Geoscience Australia to the Commonwealth Government.

DES originally asked the Federal Government for a copy of the CSIRO and Geoscience Australia's report of their review into Adani's GDEMP (version 10) in early March, but did not receive a copy until 9 April 2019.

DES only received the latest version of the GDEMP (version 11) on the same day, following its approval by the Department of Environment and Energy.

DES has now reviewed the GDEMP (version 11) and the CSIRO and Geoscience Australia report.

The department has sought updated advice from CSIRO and Geoscience Australia on the latest version of the GDEMP, which is not the version that was reviewed by CSIRO and Geoscience Australia.

This includes further clarification around the evidence to support identification of the source aquifer(s) of the Doongmabulla Springs

Complex.

DES has not sought advice on issues outside those that were covered in the CSIRO and Geoscience Australia report of February 2019.

This advice will be important in assessing whether the latest version of the GDEMP addresses the longstanding conditions set out in the environmental authority requirements.

While there is no statutory timeframe for the GDEMP to be approved, DES has expressed urgency in receiving the advice from CSIRO and Geoscience Australia.

DES is meeting with Adani today and set out the timeframes for CSIRO and Geoscience Australia to update their review following analysis of the latest version of the GDEMP, once this timeframe has been confirmed by CSIRO and Geoscience Australia.

From: Pamela Frost <Pamela.Frost@ministerial.qld.gov.au>

Sent: Monday, 20 May 2019 10:16 AM

To: DLO DES; Media DES

Cc: Rosalyn Lye

Subject: Latest on Adani

Hi team,

I have received an inquiry from the Sydney Morning Herald.

The journalist, s.78B(2) [@smh.com.au](mailto:s.78B(2)@smh.com.au), is seeking the latest information on Adani approvals.

Can you please get a statement together with the latest information?

Thanks,

Pam



Pamela Frost

Senior Media Advisor

Office of the Hon. Leeanne Enoch MP

Minister for Environment and the Great Barrier Reef,

Minister for Science, Minister for the Arts

P 07 3719 2444 (6) Personal information

1 William Street Brisbane QLD 4000 GPO Box 5078 Brisbane QLD 4001

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Date : 10/05/2019 4:16:13 PM

From : "MCCOSKER Juliana"

To : "WELLS Melissa"

Subject : re. Track change version of GDEMP and relevant EA conditions

Attachment : GDEMP TRACK CHANGES v11a to v11b.pdf;GDEMP TRACK CHANGES v10 to v11.pdf;image001.png;image002.png;

Hi Melissa,

Please see attached and below.

Relevant EA conditions are: I11, I12 and 13

As well as the definition:-

'Groundwater Dependent Ecosystem Management Plan (GDEMP)'

A GDEMP is a plan developed by a suitably qualified and experienced person that is consistent with any Bioregional Management Plan for the bioregion, the Water Resource (Great Artesian Basin) Plan and relevant threat abatement plans, conservation advice and project species management plans. The plan must include:

- (1) A description and map of each GDE potentially or indirectly impacted by mining activities
- (2) Detailed baseline monitoring (using QuickBird imagery or similar) to be undertaken on the specific ecology of each GDE, groundwater level, groundwater and surface water quality, threatened species and ecosystem function
- (3) Detailed baseline research to establish:
 - (a) the extent and ecological composition of each GDE, in accordance with the Wetland Monitoring Methodology for springs in the Great Artesian Basin (R. Fensham, 2009) where applicable
 - (b) the source aquifer(s) for groundwater supply to the GDE
 - (c) the natural variation of the groundwater level/pressure
 - (d) GDE ecosystem pressure response to groundwater level/pressure fluctuation
- (4) A description of how the results of baseline research and annual monitoring are to be used to determine any changes in GDE ecology attributable to mining activities
- (5) A description of the potential impact on each GDE from each project stage including impacts from subsidence, mine dewatering of aquifers, water discharge, hydrological changes and weed and pest infestation
- (6) Mitigation measures to be undertaken to avoid, mitigate, offset and manage impacts to GDE environmental values resulting from each stage of the project

Ciao for now

Juliana



Juliana McCosker

Manager

Business Centre Coal - Coal and Central Queensland Compliance

Department of Environment and Science

P 07 49879354 p4 (M) Personal information

99 Hospital Road, Emerald QLD 4720

PO Box 3028, Emerald QLD 4720

Date : 16/05/2019 3:01:48 PM

From : "LEWIS Kieran"

To : "LAWRENCE Rob"

Cc : "Media DES" , "DAUNT Bettina" , "ESR" , "LOWE Trinity" , "WELLS Melissa" , "BENNINK Kate"

Subject : Rob - for approval - response to The Australian re Adani GDEMP

Attachment : 160519 - Adani GDEMP - The Australian.docx;

Hi Rob

For your approval, please.

The attached response to the Australian re the Adani GDEMP and advice we are seeking on this has been approved by Kate Bennink and Melissa Wells.

The Australian has a 4pm deadline for this.

Regards

Kieran Lewis

Media Services

Department of Environment and Science

media@des.qld.gov.au

Level 31 | 400 George Street | Brisbane

Tel 07 3339 5874 (6) Personal information

www.des.qld.gov.au

If you are emailing about a media matter, please cc media@des.qld.gov.au

From s.78B(2) theaustralian.com.au>

Sent: Thursday, 16 May 2019 11:42 AM

To: Media DES

Subject: Adani Groundwater Management Plan

Good morning,

Speaking on Sky News yesterday, Adani Mining s.73 said the Department of Environment and Science had put in place a contract that includes fee for service with CSIRO and Geoscience Australia to do a further review on the Groundwater Dependent Ecosystems Management Plan.

Is this correct?

Have timeframes been set out for CSIRO and GeoScience Australia to update their review of the latest version of the GDEMP?

A response by 4pm would be appreciated.

Regards,

s.78B(2)

Journalist

Cnr Mayne Road & Campbell Street Bowen Hills QLD 4006

T +61 7 3666 6372 (6) Personal information

E peelc1@theaustralian.com.au w theaustralian.com.au

Media response

Re: Adani GDEMP

For: s.78B(2)
The Australian
3666 61724 (6) Personal information
s.78B(2) @theaustralian.com.au

Date: 16 May 2019

Enquiry received: 11.42 am, Thursday 16 May 2019

Media deadline: 4pm, Thursday 16 May 2019

Questions

Speaking on Sky News yesterday, Adani Mining s.73 said the Department of Environment and Science had put in place a contract that includes fee for service with CSIRO and Geoscience Australia to do a further review on the Groundwater Dependent Ecosystems Management Plan.

Is this correct?

Have timeframes been set out for CSIRO and GeoScience Australia to update their review of the latest version of the GDEMP?

Please attribute to a Department of Environment and Science (DES) spokesperson:

The Department of Environment and Science has sought updated advice from CSIRO and Geoscience Australia on the latest version of Adani's Groundwater Dependent Ecosystem Management Plan (GDEMP), as this was not the version that was reviewed by CSIRO and Geoscience Australia.

DES is seeking clarification around the evidence to support identification of the source aquifer(s) of the Doongmabulla Springs Complex. DES has not sought advice on issues outside those that were covered in the CSIRO and Geoscience Australia report of February 2019.

Given the initial review was undertaken by CSIRO and Geoscience Australia on behalf of the Commonwealth Department of the Environment and Energy, it is appropriate and reasonable for DES to seek this clarification and advice through its own agreement with the technical agencies.

ENDS

For further media enquiries contact Media Services on (07) 3339 5831 or email media@des.qld.gov.au.

AGENCY BACKGROUND – NOT FOR PUBLICATION (do not include in response to media)

Adani is not being asked to fund any fee-for-service arrangement in relation to this.

Contact Kate Bennink
Ph: 4987 9338

Endorsed:
Ph: 07

Date: 16 May 2019

Date:

Published on DES Disclosure Log
RTI Act 2009

Date : 13/05/2019 6:02:54 PM

From : "Media DES"

To : s.78B(2)@brisbanetimes.com.au"

Cc : "Media DES"

Subject : s.78B(2) DES response to your followup questions re Adani

Attachment : 130519 - Adani GDEMP - Brisbane Times.docx.pdf;image001.png;image005.png;image006.jpg;

Tony

Thanks for your enquiry.

Please find the DES response attached.

Regards

Andrea



Andrea Dobbyn

Senior Media Officer

Media Services| Corporate Communications

Department of Environment and Science

P 07 3339 5848 or ext 74848

GPO Box 2454, Brisbane QLD 4001

If it's a media matter, please include the group email media@des.qld.gov.au

Website www.des.qld.gov.au



From: s.78B(2)@brisbanetimes.com.au>

Sent: Monday, 13 May 2019 12:04 PM

To: Media DES

Subject: Re: Brisbane Times questions over reports of a "another delays" to Adani project put in place by Queensland Govt

ta.

1 - Am I correct to say the information provided to Federal Govt by CSIRO and Geoscience Australia in February 2019 was version 11 of the groundwater plan?

2 - That is the latest groundwater plan from CSIRO?

3 - Is it correct to say Qld's Department of Environment and Science wants to corroborate the groundwater data which led the CSIRO to say in its report.

"A number of limitations were also identified in the proposed monitoring and management approaches indicating they are not sufficiently robust to monitor and minimise impacts to protected environments," the [CSIRO's February 2019 groundwater studies found](#).

(Reported by Brisbane Times on April 11, 2019.)

On Mon, 13 May 2019 at 11:29, Media DES <Media@des.qld.gov.au> wrote:

s.78B(2) departmental response is attached.

Regards,

DES media team

From: s.78B(2)@brisbanetimes.com.au>

Sent: Monday, 13 May 2019 10:06 AM

To: Media DES

Subject: Brisbane Times questions over reports of a "another delays" to Adani project put in place by Queensland Govt

Good morning.

There are stories in the Fin Review this morning that suggest the Queensland Govt has put a further delay in the way of the assessment of the Adani Mine.

Could you please explain what the Queensland Government has requested?

Thank you.

s.78B(2)

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Media response

Re: Adani followup – groundwater plan

For: Brisbane Times s.78B(2)

Date: 13 May 2019

Re Brisbane Times questions over reports of a "another delays" to Adani project put in place by Queensland Govt

1 - Am I correct to say the information provided to Federal Govt by CSIRO and Geoscience Australia in February 2019 was version 11 of the groundwater plan?

2 - That is the latest groundwater plan from CSIRO?

3 - Is it correct to say Qld's Department of Environment and Science wants to corroborate the groundwater data which led the CSIRO to say in its report.

"A number of limitations were also identified in the proposed monitoring and management approaches indicating they are not sufficiently robust to monitor and minimise impacts to protected environments," the CSIRO's February 2019 groundwater studies found.

(Reported by Brisbane Times on April 11, 2019.)

Please attribute to a Department of Environment and Science (DES) spokesperson:

1 - Am I correct to say the information provided to Federal Govt by CSIRO and Geoscience Australia in February 2019 was version 11 of the groundwater plan?

No. As per the CSIRO report, the review was undertaken on GDEMP version 10a and GMMP revision 5: <https://www.environment.gov.au/system/files/pages/cb8a9e41-eba5-47a4-8b72-154d0a5a6956/files/csiro-geoscience-australia-final-advice.pdf>

2 - That is the latest groundwater plan from CSIRO?

The latest version of the GDEMP, developed by Adani, is Version 11b and is available on Adani's website here: <https://www.adaniaustralia.com/-/media/Project/Australia/Our-Projects--Businesses/mine-environment-reporting/GDEMP-Final-V11b-19March2019.pdf?la=en&hash=C4988A8485428FD234C4A09023D08B34>

3 - Is it correct to say Qld's Department of Environment and Science wants to corroborate the groundwater data which led the CSIRO to say in its report.

In regards to the CSIRO's report and in light of a resubmitted GDEMP (version 11b), which Adani submitted to DES on 9 April following approval by the Federal Government, DES is seeking updated advice from CSIRO and Geoscience Australia on the latest version of the GDEMP, which is not the version that was reviewed by CSIRO and Geoscience Australia.

This includes further clarification around the evidence to support identification of the source aquifer(s) of the Doongmabulla Springs Complex.

ENDS

For further media enquiries contact Media Services on (07) 3339 5831 or email media@des.qld.gov.au

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