
From: Hill, Peter I (SKM) [REDACTED]
Sent: Thursday, 3 February 2011 9:59 AM
To: Barton Maher
Cc: Nathan, Rory J (SKM)
Subject: RE: Forecasting rainfall in Wivenhoe Dam catchment [SEC=UNCLASSIFIED]

Barton,

Although I note the words of caution below from Peter Baddiley, the rainfall forecasts have come a long way in the last 5 years and so it might be worth checking back with the Bureau (and possibly head office in Melbourne) regarding the suitability of their forecast rainfall for helping dam operations.

We are aware of a couple of other dam owners with large gated storages that do consider the Bureau's forecast rainfall out to 4 days in their decision making. The Bureau have recently started making the forecasts publicly available on the web and so there is heightened public awareness of their potential application.

We are not advocating complete reliance on these forecasts or their use in full quantitative analysis, however feel that they do provide a reasonably robust indication of whether significant rainfall is likely and therefore suggest that the wording is modified accordingly.

Happy to discuss further.

Regards,

Peter Hill
Principal

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QFCI

Date:

12/4/11

JM

further information, visit our website www.skmconsulting.com

Exhibit Number:

28

From: Barton Maher [REDACTED]
Sent: Thursday, 3 February 2011 10:08 AM
To: Nathan, Rory J (SKM)
Cc: Hill, Peter I (SKM)
Subject: FW: Forecasting rainfall in Wivenhoe Dam catchment [SEC=UNCLASSIFIED]

Hi Rory and Peter,

I will rewrite the report to make it clearer – but here is our advice from Peter Baddiley on rainfall forecasting at Wivenhoe.

Regards,
Barton Maher
Principal Dams & Weirs Planning
QLD Bulk Water Supply Authority trading as Seqwater

Peter Baddiley
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The new phone number is +61 3 8668 3000. The new fax number is +61 3 8668 3001.

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Website | www.seqwater.com.au

From: Rob Drury
Sent: Thursday, 3 February 2011 8:51 AM
To: Barton Maher
Subject: FW: Forecasting rainfall in Wivenhoe Dam catchment [SEC=UNCLASSIFIED]

From: Peter Baddiley [REDACTED]
Sent: Wednesday, 1 December 2010 9:44 AM
To: Rob Drury
Subject: FW: Forecasting rainfall in Wivenhoe Dam catchment [SEC=UNCLASSIFIED]

Rob
A small miracle - I found the Bureau's 2006 response/advice regarding forecasting rainfall for the Wivenhoe catchment.

As briefly discussed today, whilst weather prediction models are steadily improving, the forecast of rainfall amounts over catchment time/space scales is recognised as one of the most challenging/difficult tasks. Detailed rainfall forecasting is not deterministic - the uncertainties involved are often expressed in probabilistic forecasts, an example of which is at our website at: <http://www.bom.gov.au/jsp/wat/rainfall/pme.jsp> . Click on the "chance of rainfall" radio button.

regards, peter

Peter Baddiley
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From: Peter Baddiley
Sent: Monday, 24 July 2006 4:59 PM
To: [REDACTED]
Cc: Mike Bergin
Subject: Forecasting rainfall in Wivenhoe Dam catchment

Chris
As discussed with Mike on Friday, please find the attached. Apologies for the delay since our meeting of 6 July.

Please contact us if you require further information or clarification.

Regards, Peter