

Sent 27/3/06

Geoff,

Peter Allen and I have had a look at revised flood operations manual.

There appear to be only two real changes to the operational procedures. These are

- The water level correlation targets in the Somerset Dam procedure (section 9.4) have been changed apparently in recognition of the 'safe' peak water level in Wivenhoe Dam being increased from EL77 to EL80. Can some comment be provided, separate to the procedures document, in support of the change. This probably means outlining the effects of the change. I'm not sure that the proposed changes are for the better.
- The option of breaching the saddle dams (section 10.2) is new in this draft manual. Again some comment should be given in support of the change.

Other things picked up in perusal of the document are:

Page 5 The introduction refers twice to the 2002 version of the Manual. I feel it should refer to the latest version i.e. the 2004 version.

Page 21 Table 6.1 – Natural Resources and Mines is now Natural Resources Mines and Water.

Page 32 Procedure 4A – The trigger level for the first bay is actually EL 75.7. An explanation that an allowance for wave action (?), water level prediction uncertainty (?) and whatever else might be added.

Page 32 The reference in Procedure 4A should be to Section 8.4 rather than Section 8.3

Page 33 Again the reference in Procedure 4B should be to Section 8.4 rather than Section 8.3

Page 35 The page orientation for the next few pages needs correcting.

Page 38 The format of the second column of Table 9.2 needs correcting.

Page 40 Section 10.2 still talks about will be following completion of auxiliary spillway

Page 43 The Water Level Correlation Targets table needs correcting.

Page 44 Some minor amendments have been made to this section of the Water Act. Section 498(3) now reads "If the owner complies with the chief executive's request, the chief executive must, by gazette notice, approve the manual as amended" while section 498(4) now starts "The approval of the manual as amended may be for".

Page 45 For Section 499, the second and third lines should be sub-sections (a) and (b) respectively.

Page 46 With reorganisation of Department of Emergency Services, the unit holding the Manual would now be Disaster Operations.

Page 55 The last 4 numbers in the fourth column of Table E1 don't seem right.

Page 58 There is still a note about needing to reformat the table.

Page 59 The title of the chart might be changed to Auxiliary Spillway Rating Curve. The Y-axis might be changed to Lake Level rather than Reduced Level.

Appendix I There are numerous references cited in this appendix, but they are not listed.

Page 70 The AEP of the PMP is 0.0007042% I think.

Another thing you might think about is the reporting requirements of the Manual e.g. of Schedule of Authorities, Register of Contact Persons, State of Preparedness of Operational Personnel and condition of the Monitoring and Warning System and Communication Network (there may be more). Their timing for lodgement is scattered throughout the year. Is this the best way for it to be?

If you have any queries about the above let me know.

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From: Geoff Hales [mailto:[REDACTED]]
Sent: Wednesday, 15 March 2006 2:40 PM
To: Guppy Ron
Cc: Rob Drury; Barton Maher; Rob.Ayre [REDACTED]
Subject: FW: Revised Draft Flood Ops Manual - WD-SD

Hi Ron

Please find attached revised copy of WIV-SOM Flood Ops Manual. We have checked and all seems OK, and have asked Rob Ayre to address drawings as per his email. Just wanted to check you/Peter are happy with changes before we finalise and issue for gazetting. Could you provide us your comments.

Thanks
Geoff

Geoff

Geoff Hales
SEQWater
Wivenhoe Office
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-----Original Message-----

From: Ayre, Rob [mailto:Rob.Ayre@[REDACTED]]
Sent: Tuesday, 7 March 2006 4:54 PM
To: Geoff Hales
Cc: Tibaldi, John; Cock, Don; McGrath, Toby; Ruffini, John
Subject: Revised Draft Flood Ops Manual - WD-SD

Geoff

Please find attached a copy of the Revised Draft Flood ops manual.

<<WD-SD-Rev 7.doc>>

I have left the tracked changes on the document so you can see what has been changed. Please note that we have filled in data for Tables E1 and Table E2, however the Alliance should check that these values concur with their CFD modelling results, and if not they should amend accordingly. Table E2 needs reformatting (which is currently being performed by one of our Executive Assistants - she will forward the amended document tomorrow).

Also the drawing in Appendix J needs to be modified to reflect the new Design Flood Level and the mini-hydro arrangements. Please let me know if you wish these changes to be affected.

The drawing of the auxiliary spillway is less than useful. I think that a clearer/simpler drawing showing a section and elevation is all that is required. Have the Alliance got such a drawing or we could produce something along the lines of the other figures?

I am attending an EBA meeting for most of Wednesday, but should be back in the office after 4:00pm if you wish to discuss the revised draft.

Regards

Rob Ayre

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