

Statement of Maxwell Francis Winders

I, **Maxwell Francis Winders**, Managing Director of Max Winders & Associates Pty Ltd trading as MWA Environmental, of Level 15, 241 Adelaide Street, Brisbane, in the State of Queensland, state on oath as follows:

1. Attachment "MFW-01" is a copy of a notice from the Commission of the Queensland Floods Commission of Inquiry (**Commission**) dated 28 September 2011 requiring me to provide certain information to the Commission in the form of a Statement (**Notice**). This Statement is provided in response to the Notice.
2. For the purposes of responding to the Notice and preparing this Statement I have, in my position as Managing Director of Max Winders & Associates Pty Ltd trading as MWA Environmental (**MWA**), had access to the business records of MWA to obtain information to provide a response to the Notice. Unless otherwise stated, the matters set out in this Statement are based on my own knowledge and the information derived from the above sources.

Qualifications and Background

3. My qualifications include a Bachelor of Mechanical Engineering (Honours), from the University of Queensland (1961).
4. I hold the following memberships:
 - (a) Fellow of the Institution of Engineers;
 - (b) Chartered Professional Engineer; and
 - (c) Registered Professional Engineer of Queensland.
5. I have been a qualified as an Engineer for fifty (50) years. My expertise is predominantly in the areas of:
 - (a) Environmental Impact Assessment;
 - (b) Environmental Management;
 - (c) Flooding and Tidal Hydraulics;
 - (d) Coastal Ecosystems;

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- (e) Environmental Acoustics; and
 - (f) Intensive animal Husbandry and Aquaculture.
6. Attachment "MFW-02" is a copy of my Curriculum Vitae and a list of experience relevant to this Statement.
7. In 1987 I founded Max Winders & Associates Pty Ltd. In my capacity as Managing Director, I have directed projects and matters concerning areas such as:
- (i) environmental management
 - (ii) flooding and tidal hydraulics; and
 - (iii) water quality.

Response to the Notice

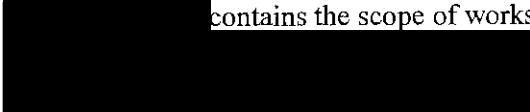
1. **His findings pursuant to his commission by the Brisbane City Council to assess the backflow flooding experienced in the January 2011 flood and identify the feasibility of installing backflow prevention measures, including producing a copy of any report he has prepared in this regard.**

8. MWA was commissioned by the Brisbane City Council (BCC) to prepare a Prefeasibility Study in response to a recommendation made by the BCC Flood Response Review Board report dated 24 May 2011 that:

"Council investigate the feasibility of the installation of devices to prevent backflow from river flooding in locations such as in parts of the Central Business District (CBD) and in high rise buildings which would not have been flooded otherwise, where all those potentially affected by backflow flooding have responsibility for oversight of the maintenance of the device in working order; and

No backflow prevention device should be incorporated into the stormwater network system unless a complete risk based flood management analysis has confirmed that this is the best option."

9. Attachment "MFW-03" is a copy of Minor Short Form Agreement dated 23 June 2011 which contains the scope of works for the Pre-feasibility Study, which comprised of two part:


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(a) Investigation 1 - Brisbane river Review

Investigate areas along the Brisbane River (within Brisbane City Council's Local Government Area) affected by the January 2011 river flood (including river tidal affects) to identify and prioritise locations where the application of backflow prevention measures may warrant further detailed investigations; and

(b) Investigation 2 - Three case study areas

Concurrently with 1 above, investigate three case study locations, being Central Business District, Rosalie/Milton and New Farm, to determine whether the installation of backflow prevention measures might prevent river flooding and provide implementation options for each area. The investigation would include the assessment of risks, issues and opportunities associated with backflow prevention measures in the three case study areas. The investigation would include the assessment of whether they would have unacceptable impacts during other possible types of flood events and also consider maintenance requirements and cost/benefit analysis.

10. On 4 October 2011, MWA provided a Report to BCC titled "Brisbane Backflow Prevention Measures Investigation - Pre-Feasibility Study" (**MWA Report**) which contains my findings in relation to Investigations 1 and 2 as set out in paragraph 9 above. Attachment "MFW-04" is a true and correct copy of the MWA Report.

2. If he disagrees with any aspect of the report prepared by Dr Trevor Johnson of Cardno, titled Queensland Floods 2011 Stormwater Backflow, job number J11058, the aspect/s with which he disagrees and why he disagrees with same.

11. I have reviewed the report prepared by Dr Trevor Johnson of Cardno (Qld) Pty Ltd, titled "Queensland Floods 2011 Stormwater Backflow, Job Number J11058" dated 21 September 2011 (**the Johnson Report**). A copy of the Johnson Report is attached to the Notice which appears at annexure "MFW-01".

12. Attachment "MFW-05" is a copy of a summary of comments I have prepared on the Johnson Report.

I make this statement conscientiously believing the same to be true, and by virtue of the provisions of the Oaths Act 1987 (Qld).

[Redacted Signature]

[Redacted Signature]

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Dated 5 October 2011

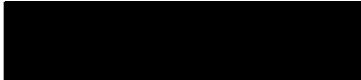
Signed and declared by Maxwell Francis

Winders at

in the State of Queensland

this 5th day of October 2011

Before me:



Signature of person before whom the declaration is
made



Signature of declarant

SARAH JAYNE THOMSON

Full name and qualification of person before whom the
declaration is made