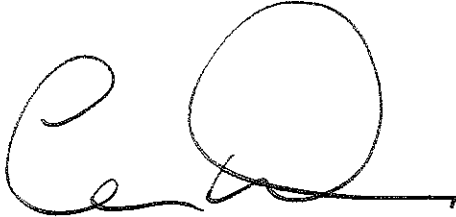


# Modification of Approval

## Section 75W of the *Environmental Planning and Assessment Act 1979*

I, the Executive Director, Major Project Assessments Division of the Department of Planning, in accordance with the Instrument of Delegation issued by the Minister for Planning, on 7 June 2007, pursuant to section 75W of the *Environmental Planning and Assessment Act 1979* determine the modification to the approval referred to in Schedule 1 in the manner set out in Schedule 2.



Executive Director, Major Project Assessments  
**As delegate for the Minister for Planning**

Sydney, 17 October 2008

### SCHEDULE 1

**Project Approval:**

granted by the Minister for Planning on 20 June 2007 (MP 06\_0190).

**For the following:**

Construction and operation of the Western Sydney Recycled Water Initiative - Replacement Flows Project, involving the interconnection of three existing sewage treatment plants and treating the available effluent from these plants via a new Advanced Water Treatment Plant (AWTP) to replace the water that is currently released from Warragamba Dam for extraction and river health purposes. The project involves the construction and operation of the following key components:

- an AWTP at the St Marys STP site for the treatment of the tertiary treated effluent from Quakers Hill, Penrith and St Marys STPs. The AWTP would produce up to 50ML/day of highly treated recycled water for discharge to the Hawkesbury-Nepean River downstream of Penrith Weir, and about 8ML/day of a concentrate for discharge to the Northern Suburbs Ocean Outfall Sewer (NSOOS);
- a pipeline for the transfer of tertiary treated effluent from Penrith STP to the AWTP at the St Marys STP site;
- a pipeline for the transfer of tertiary treated effluent from Quakers Hill STP to the AWTP at the St Marys STP site;

- a pipeline for the transfer of recycled water produced by the AWTP at St Marys STP to the Penrith STP;
- discharge of the replacement flows to the Hawkesbury-Nepean River, via the Penrith STP discharge to Boundary Creek, immediately downstream of Penrith Weir;
- a pipeline for the transfer of the concentrate from the AWTP to Quakers Hill STP;
- a storage pond at Quakers Hill STP for the temporary storage of the concentrate, when the NSOOS may not be available for discharge (during periods of extended wet weather);
- transfer of the concentrate to the NSOOS via an existing pipeline from Quakers Hill STP to Seven Hills and a new pipeline between Seven Hills and Vineyard Creek at Dundas;
- balance storages and pumping stations at Penrith, Quakers Hill and St Marys STPs; and
- temporary pilot facility at St Marys STP.

**Modification:**

Amendment to condition 2.4 (for the purposes of undertaking biological monitoring of the pilot plant in lieu of challenge testing on the full-scale AWTP). As a consequence, amendments have also been made to conditions 1.1 and 1.2.

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## **SCHEDULE 2**

**The approval is modified as follows:**

**1. Replacing existing condition 1.1 with new condition 1.1 as follows:**

- 1.1 The Proponent shall carry out the project generally in accordance with the:
- a) Major Projects Application 06\_0190;
  - b) *Environmental Assessment: Western Sydney Recycled Water Initiative – Replacement Flows Project* (prepared by Sydney Water Corporation and Sinclair Knight Merz dated November 2006);
  - c) *Preferred Project Report: Western Sydney Recycled Water Initiative – Replacement Flows Project* (prepared by Sydney Water Corporation and Sinclair Knight Merz dated February 2007);
  - d) *Environmental Assessment Addendum. Replacement Flows Project – Cumberland Plain Woodland Area near Penrith STP* (prepared by Sydney Water Corporation and dated May 2008);
  - e) *Addendum Flora and Fauna Assessment for Proposed Modification to Pipeline Route: Western Sydney Recycled Water Initiative – Replacement Flows Project* (prepared by Sinclair Knight Merz and dated 3 April 2008);
  - f) Letter from Sydney Water Corporation dated 12 August 2008 and associated attachments (Sydney Water Corporation letter to NSW Health dated 7 July 2008 and NSW Health's response letter (undated)) to provide supporting information for modification of Condition 2.4; and
  - g) the conditions of this approval.

**2. Replacing existing condition 1.2 with new condition 1.2 as follows:**

- 1.2 In the event of an inconsistency between:
- a) the conditions of this approval and any document listed from condition 1.1a) to 1.1f) inclusive, the conditions of this approval shall prevail to the extent of the inconsistency; and
  - b) any of the documents listed from condition 1.1a) to 1.1f) inclusive, the most recent document shall prevail to the extent of the inconsistency.

**3. Replacing existing condition 2.4 with new condition 2.4 as follows:**

- 2.4 The Proponent shall undertake biological monitoring of the pilot plant to prove that the AWTP will effectively remove biological contaminants from the feedwater. A comprehensive biological testing program shall be undertaken utilising the influent and effluent from each of the three Sewage Treatment Plants (i.e. Quakers Hill, St Marys and Penrith) in consultation with NSW Health to determine the micro-organisms to be tested. Once biological monitoring of the pilot plant has been completed, the Proponent is to submit the results to NSW Health. The Proponent shall also undertake verification monitoring during the full-scale AWTP commissioning and operation to validate the pilot plant testing results in consultation with NSW Health.
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