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Published on: 28 June 2010

Statement No. 832

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED  
(PURSUANT TO THE PROVISIONS OF THE  
ENVIRONMENTAL PROTECTION ACT 1986)**

**PERTH METROPOLITAN DESALINATION PROPOSAL**

**Proposal:** The construction and operation of a seawater desalination plant at a site in the Kwinana / East Rockingham area, and associated seawater intake, concentrated seawater discharge pipelines, and product pipeline to Tamworth Hill or Thomson's Reservoir.

Upgrading of the capacity of the plant to 45 Gigalitres per year at the Kwinana site will include increasing the production of potable water, use of seawater, and discharge of concentrated seawater and further options for combining intake seawater with cooling water discharged from Western Power's Kwinana Power Station, as documented in schedule 1 of this statement.

*This statement does not relate to a desalination plant at the alternative East Rockingham site.*

**Proponent:** Water Corporation

**Proponent Address:** PO Box 100, LEEDERVILLE WA 6000

**Assessment Number:** 1570

**Previous Assessment Number:** 1454 and 1512

**Report of the Environmental Protection Authority:** Report 1327

**Previous Report of the Environmental Protection Authority:** Report 1070 and 1137

**Previous Statement Numbers:** Statement No. 626 (published on 26 May 2003) and Statement No. 655 (published on 9 July 2004)

The implementation of the proposal to which the above reports of the Environmental Protection Authority relate is subject to the conditions and procedures contained in Ministerial Statement No. 655, as amended by the following:

## **5 Compliance Reporting**

- 5-1 The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the Chief Executive Officer (CEO) of the Office of the Environmental Protection Authority.
- 5-2 The proponent shall submit to the CEO of the Office of the Environmental Protection Authority, the compliance assessment plan required by condition 5-1 at least six months prior to the first compliance assessment report required by condition 5-6. The compliance assessment plan shall indicate:
1. the frequency of compliance reporting;
  2. the approach and timing of compliance assessments;
  3. the retention of compliance assessments;
  4. reporting of potential non-compliances and corrective actions taken;
  5. the table of contents of compliance assessment reports; and
  6. public availability of compliance assessment reports.
- 5-3 The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 5-1.
- 5-4 The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 5-1 and shall make those reports available when requested by the CEO of the Office of the Environmental Protection Authority.
- 5-5 The proponent shall advise the CEO of the Office of the Environmental Protection Authority of any potential non-compliance as soon as practicable.
- 5-6 The proponent shall submit a compliance assessment report annually from the date of issue of this Implementation Statement addressing the previous twelve-month period or other period as agreed by the CEO of the Office of the Environmental Protection Authority. The compliance assessment report shall:
1. be endorsed by the proponent's Managing Director or a person, approved in writing by the CEO of the Office of the Environmental Protection Authority, delegated to sign on the Managing Director's behalf;
  2. include a statement as to whether the proponent has complied with the conditions;

3. identify all potential non-compliances and describe corrective and preventative actions taken;
4. be made publicly available in accordance with the approved compliance assessment plan; and
5. indicate any proposed changes to the compliance assessment plan required by condition 5-1.

## **8 Marine Water Quality**

8-1 To protect the water quality of Cockburn Sound in accordance with the State Environmental (Cockburn Sound) Policy 2005 (SEP) the proponent shall operate the Perth Metropolitan Desalination Plant so that increases in the intensity and/or duration of density stratification do not cause declines in dissolved oxygen of bottom waters, defined as less than or equal to 0.5 metres above the seabed, to 60% saturation (24 hour running median) or less in the high and/or moderate protection areas of Cockburn Sound as defined by the SEP. This will be achieved by the proponent:

1. Developing and implementing a monitoring plan to the satisfaction of the CEO of the Office of the Environmental Protection Authority. Monitoring will include dissolved oxygen levels of the bottom waters (as defined above) and other parameters relating to dissolved oxygen levels in Cockburn Sound. The monitoring plan will also consider the parameters necessary to define the spatial extent, characteristics and persistence of the Plant plume; and
2. Undertaking a management response to the satisfaction of the CEO of Office of the Environmental Protection Authority if the monitoring required by condition 8-1-1 detects declines in dissolved oxygen of bottom waters, defined as less than or equal to 0.5 metres above the seabed, to 60% saturation (24 hour running median) or less in the high and/or moderate protection areas of Cockburn Sound.

8-2 To provide a basis for the Minister for Environment and the Minister for Water to review the requirement for further monitoring and management, the proponent shall implement the monitoring plan required by condition 8-1-1 for a continuous period extending over at least two autumn periods.

Hon Donna Faragher JP MLC  
MINISTER FOR ENVIRONMENT; YOUTH