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Published on: 26 April 2016

Statement No. 1028

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED**  
**(*Environmental Protection Act 1986*)**

HAZELMERE WOOD WASTE TO ENERGY PLANT

**Proposal:** To construct and operate a Wood Waste to Energy Plant at the existing Hazelmere Recycling Centre on Part Lot 100 and Lot 301, Lakes Road, Hazelmere.

**Proponent:** EASTERN METROPOLITAN REGIONAL COUNCIL  
Australian Business Number 89 631 866 056

**Proponent Address:** 1st Floor Ascot Place, 226 Great Eastern Highway  
BELMONT WA 6984

**Assessment Number:** 2001

**Report of the Environmental Protection Authority:** 1554

Pursuant to section 45 of the *Environmental Protection Act 1986* it has been agreed that the proposal described and documented in Tables 1 and 2 of Schedule 1 may be implemented and that the implementation of the proposal is subject to the following implementation conditions and procedures.

Words and expressions used in this Statement shall have the same respective meanings as in the EP Act or as provided for in Schedule 1 of this Statement.

## **1 Proposal Implementation**

1-1 When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Table 2 in Schedule 1, unless amendments to the proposal and the authorised extent of the proposal have been approved under the EP Act.

## **2 Contact Details**

- 2-1 The proponent shall notify the CEO of any change of its name, physical address or postal address for the serving of notices or other correspondence within twenty eight (28) days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.

## **3 Time Limit for Proposal Implementation**

- 3-1 The proponent shall not commence implementation of the proposal after five (5) years from the date on this Statement, and any commencement, prior to this date, must be substantial.
- 3-2 Any commencement of implementation of the proposal, on or before five (5) years from the date of this Statement, must be demonstrated as substantial by providing the CEO with written evidence, on or before the expiration of five (5) years from the date of this Statement.

## **4 Compliance Reporting**

- 4-1 The proponent shall prepare, submit and maintain a Compliance Assessment Plan to the CEO at least six (6) months prior to the first Compliance Assessment Report required by condition 4-6, or prior to implementation, whichever is sooner.
- 4-2 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) the method of 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.
- 4-3 After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 4-2 the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 4-1.

- 4-4 The proponent shall retain reports of all compliance assessments described in the Compliance Assessment Plan required by condition 4-1 and shall make those reports available when requested by the CEO.
- 4-5 The proponent shall advise the CEO of any potential non-compliance within seven (7) days of that non-compliance being known.
- 4-6 The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the date of issue of this Statement addressing the twelve (12) month period from the date of issue of this Statement and then annually from the date of submission of the first Compliance Assessment Report, or as otherwise agreed in writing by the CEO.

The Compliance Assessment Report shall:

- (1) be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer'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 4-1.

## **5 Public Availability of Data**

5-1 Subject to condition 5-2, within a reasonable time period approved by the CEO of the issue of this Statement and for the remainder of the life of the proposal the proponent shall make publicly available, in a manner approved by the CEO, all validated environmental data (including sampling design, sampling methodologies, empirical data and derived information products (e.g. maps)) relevant to the assessment of this proposal and implementation of this Statement.

5-2 If any data referred to in condition 5-1 contains particulars of:

- (1) a secret formula or process; or
- (2) confidential commercially sensitive information;

the proponent may submit a request for approval from the CEO to not make these data publicly available. In making such a request the proponent shall provide the CEO with an explanation and reasons why the data should not be made publicly available.

## **6 Waste Acceptance Criteria**

- 6-1 The proponent shall demonstrate that waste types only permitted for processing, described in Table 2 of Schedule 1 are processed at this facility by implementing conditions 6-2 to 6-8.
- 6-2 Prior to commencement of operations the proponent shall prepare and submit a Waste Acceptance Monitoring and Management Plan to the requirements of the CEO. The Waste Acceptance Monitoring and Management Plan shall:
- (1) when implemented, substantiate whether condition 6-1 is being met;
  - (2) detail the procedures to identify, test (where appropriate), and record the waste types permitted and processed at the facility;
  - (3) detail the procedures to identify, remove and record any waste types not permitted for processing; and
  - (4) detail a procedure to summarise the results of monitoring outlined in condition 6-2(2) and 6-2(3).
- 6-3 After receiving notice in writing from the CEO that the Waste Acceptance Monitoring and Management Plan satisfies the requirements of condition 6-2 the proponent shall:
- (1) implement the approved Waste Acceptance Monitoring and Management Plan; and
  - (2) continue to implement the management actions in accordance with the requirements of the approved Waste Acceptance Monitoring and Management Plan until the CEO has confirmed by notice, in writing, that it has been demonstrated that the objective in condition 6-1 has been met and therefore the implementation of the management actions are no longer required.
- 6-4 The proponent shall retain the results of monitoring required by condition 6-3 and shall make those results available when requested by the CEO.
- 6-5 The proponent shall provide the summary of the results of monitoring required by condition 6-3 to the CEO every six months from the date of commencement until the CEO has confirmed by notice, in writing, that provision of the summary is no longer required.
- 6-6 The proponent may review and revise the Waste Acceptance Monitoring and Management Plan.
- 6-7 The proponent shall review and revise the Waste Acceptance Monitoring and Management Plan as and when directed by the CEO.

6-8 The proponent shall implement the latest revision of the Waste Acceptance Monitoring and Management Plan, which the CEO has confirmed by notice, in writing, satisfies the requirements of condition 6-2.

[Signed 26 April 2016]

Albert Jacob MLA  
**MINISTER FOR ENVIRONMENT; HERITAGE**

## Schedule 1

**Table 1: Summary of the Proposal**

<b>Proposal Title</b>	Hazelmere Wood Waste to Energy Plant
<b>Short Description</b>	<p>The proposal is to construct and operate a 4 MW indirect-fired pyrolysis kiln to process wood waste and produce synthesis gas for use as a fuel in internal combustion gas engines. The plant consists of the following components:</p> <ul style="list-style-type: none"> <li>• waste acceptance and feed;</li> <li>• pyrolysis kiln (including reformer and char removal);</li> <li>• syngas treatment system (two-stage wet scrubber);</li> <li>• wastewater treatment;</li> <li>• Staged Air Cyclonic Thermal Oxidiser (SACTO);</li> <li>• gas engines; and</li> <li>• power transformers.</li> </ul>

**Table 2: Location and authorised extent of physical and operational elements**

Column 1 Element	Column 2 Location	Column 3 Authorised Extent
Wood Waste to Energy pyrolysis plant	Figure 2 and geographic coordinates of the development envelope in Table 4 in Schedule 2.	Up to 0.3 ha of cleared land within the Development Envelope.
Gas engine generator sets	Figure 2	Up to eight 500 kw engines.
Wood waste processed		Up to 13,000 tpa.
Emissions outputs from main stack (SACTO and pyrolysis kiln)		<p>Shall not exceed the emission limits specified in Annex VI of the European Union Industrial Emissions Directive 2010/75/EU or its updates.</p> <p><b>Note:</b> SACTO to be used for combustion of all syngas produced from pyrolysis of woodchip during start-up, commissioning, shutdown and emergency bypass conditions. The SACTO can also be used for combustion of excess syngas not utilised by the gas engines during normal operations.</p>
Waste types permitted to be processed		Wood waste that has not been treated or contaminated, such as uncontaminated shipping pallets, timber off-cuts, crates, and cable reels.

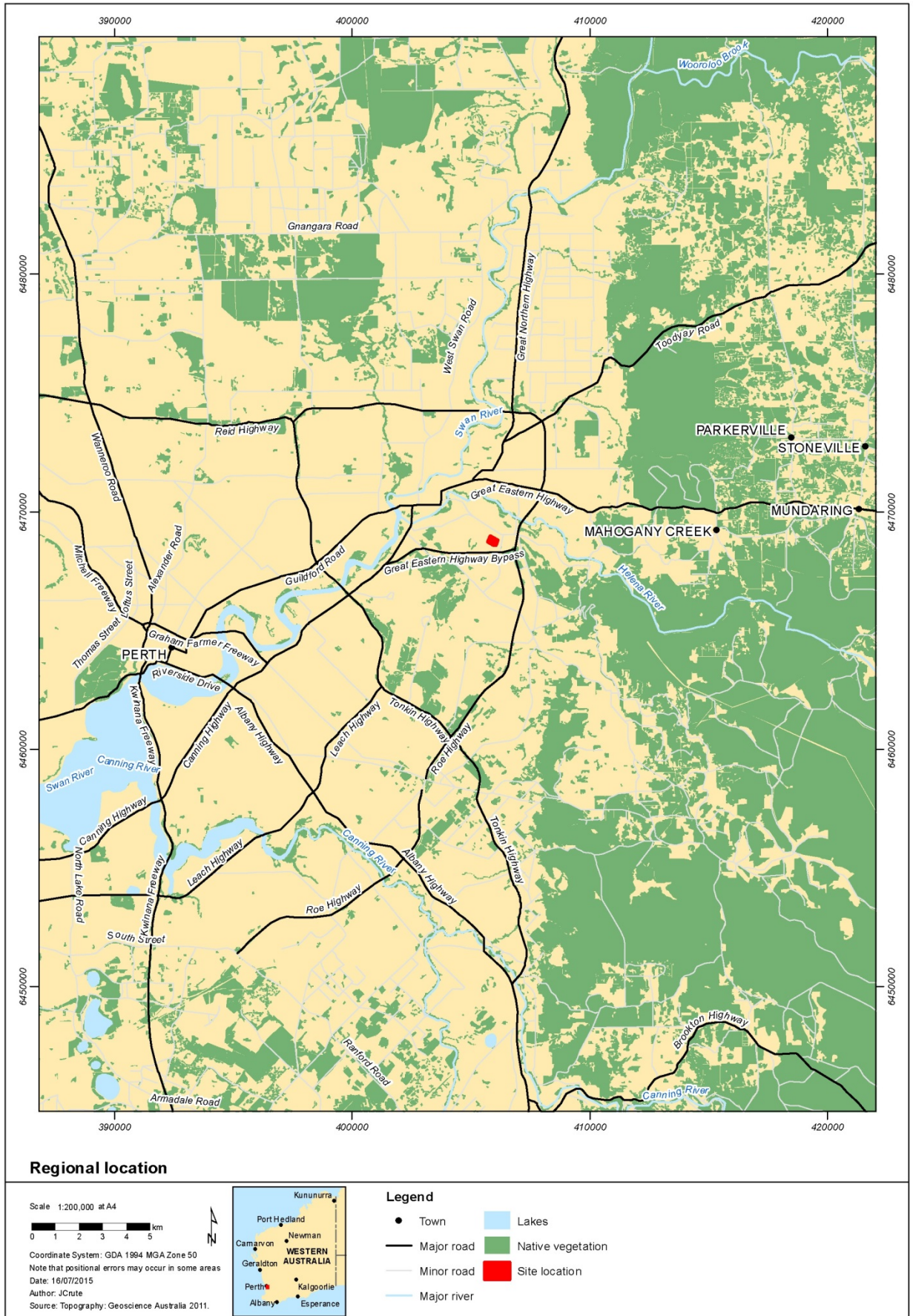
**Table 3: Abbreviations and Definitions**

<b>Acronym or Abbreviation</b>	<b>Definition or Term</b>
ANZECC	Australian and New Zealand Environment and Conservation Council
CEO	The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or his delegate.
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986</i>
ha	Hectare
HP	Horsepower
kL	Kilolitre
kW	Kilowatt
MW	Megawatt
OEPA	Office of the Environmental Protection Authority
SACTO	Staged Air Cyclonic Thermal Oxidiser
tpa	Tonnes per annum
tph	Tonnes per hour

**Figures (attached)**

Figure 1 Regional Location

Figure 2 Development Envelope (This map is a representation of the co-ordinates shown in Table 4 of Schedule 2)



**Figure 1 – Regional Location**





Figure 2 – Development envelope

**Table 4: Development Envelope Coordinates (MGA Zone 50)**

<b>Coordinate No</b>	<b>Easting</b>	<b>Northing</b>
1	406074	6468723
2	406046	6468651
3	405969	6468694
4	406006	6468760

All coordinates are in metres, listed in Map Grid of Australia Zone 50 (MGA Zone 50), datum of Geocentric Datum of Australia 1994 (GDA94).