

Memorandum

To Nikki Matthews
cc. Susan Fox
From Nicholas Hon
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Date 9 June 2017 **File no** **File** 2292-EA MOD 4.docm

Subject: Toxfree Waste Facility at St. Marys (MP 06_0095 MOD 4) – Review of Environmental Assessment (EA) and Recommended Hazards-related Conditions of Consent

Background

The following EA for the proposed MP 06_0095 MOD 4 application (Toxfree waste facility at St Marys) was reviewed:

- Chemical Waste Storage and Treatment Facility, 40 Christie Street, St Marys; Proposal for the acceptance and treatment of E-waste & Minor Site Works; Toxfree Australia Pty Ltd (dated May 2017, prepared by Wild Environment).

The review of the EA follows from:

- a pre-lodgement meeting with Toxfree and Wild Environment (consultant) on 23 March 2017; and
- an adequacy review of the draft EA (dated April 2017, prepared by Wild Environment).

In addition to MOD 4, MOD 3 (lodged in 2015) is currently being determined, as described in Sections 2.1.1 and 4.2 of the EA. MOD 3 includes an increase in dangerous goods waste storage limits and a new waste treatment process (Acid-Alkaline Neutralisation), both of which are hazards-related. An advice on MOD 3, with recommended hazards-related conditions, was provided to Susan Fox on 18 May 2017 (Hazards memo #2103).

Review

In general, MOD 4 is for:

- processing and storage of electronic waste (e-waste); and
- changes to site access arrangements, parking and weighbridge.

Having reviewed the EA, it is considered that MOD 4 is not potentially hazardous under SEPP 33, given that:

- MOD 4 does not involve an increase in dangerous goods storage limits; and
- the processing of e-waste is primarily a mechanical separation process (Blubox and CIRRUUS units).

A Preliminary Hazard Analysis (PHA) is enclosed as Appendix E of the EA. This PHA, which was also submitted as part of MOD 3, includes sections which are relevant to MOD 4 (Sections

4.3, 7.2.3 and Appendix I). Having reviewed this PHA (supplemented with additional information from Toxfree) as part of the MOD 3 application, it is considered that the Toxfree facility with the modifications (both MOD 3 and MOD 4) will satisfy the Department's HIPAP No. 4 risk criteria for land use safety. As such, the risk from the modified facility to the surrounding land uses are acceptable.

Recommendations

If approval is granted for MOD 4, it is recommended that the following hazards-related conditions (consistent with the Department's HIPAP No. 12) to be included in the consent to ensure continual safe operation of the development as modified.

HAZARDS

Pre-construction

1. The Applicant shall prepare the studies set out under subsection 1(a) (the pre-construction studies). Construction, other than of preliminary works that are outside the scope of the hazard studies, shall not commence until study recommendations have been considered and, where appropriate, acted upon.

(a) CONSTRUCTION SAFETY STUDY

A Construction Safety Study, consistent with the Department of Planning's Hazardous Industry Planning Advisory Paper No. 7, 'Construction Safety'.

Pre-commissioning

2. Prior to commissioning, the Applicant shall update and implement the plans and systems set out under subsections 2(a) to 2(b).

(a) EMERGENCY PLAN

The facility's Emergency Plan and detailed emergency procedures shall be updated to incorporate any changes due to the modification. The updated plan shall include detailed procedures for the safety of all people outside of the development who may be at risk from the development. The updated plan shall be consistent with the Department of Planning's Hazardous Industry Planning Advisory Paper No. 1, 'Emergency Planning'.

(b) SAFETY MANAGEMENT SYSTEM

The facility's Safety Management System shall be updated to include any changes due to the modification. The updated document shall clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to the procedures. Records shall be kept on-site and shall be available for inspection by the Secretary upon request. The updated Safety Management System shall be developed in accordance with the Department of Planning's Hazardous Industry Planning Advisory Paper No. 9, 'Safety Management'.

Pre-startup

3. PRE-STARTUP COMPLIANCE REPORT

The Applicant shall submit to the Secretary a report detailing compliance with conditions 1 and 2 one month prior to the commencement of operation of the development.