

GENERAL APPROVAL OF THE IMMOBILISATION OF CONTAMINANTS IN WASTE

Pursuant to the provisions in Clause 28 of the *Protection of the Environment Operations (Waste) Regulation 1996* the New South Wales Environment Protection Authority has authorised the following general approval of the immobilisation of contaminants in waste:

A) APPROVAL NUMBER

2000/08

B) SPECIFICATION OF WASTE TO WHICH THIS APPROVAL APPLIES

This approval applies to waste consisting of Tanalith E treated timber other than waste which is specified as:

- (i) building and demolition waste in Part 2 Types of Inert Waste in the "Appendix - Types of Waste" in Part 3 of the Interpretative provisions in Schedule 1 of the *Protection of the Environment Operations Act 1997*, or
- (ii) municipal waste in Part 4 Types of solid waste in the "Appendix - Types of Waste" in Part 3 of the Interpretative provisions in Schedule 1 of the *Protection of the Environment Operations Act 1997*.

C) CONTAMINANTS APPROVED AS IMMOBILISED

Tebuconazole and di-2-ethyl hexyl phthalate.

D) TYPE OF IMMOBILISATION

Natural

E) MECHANISM OF IMMOBILISATION

Tebuconazole and di-2-ethyl hexyl phthalate are adsorbed into the woody tissue of the treated timbers.

F) CONDITIONS OF APPROVAL

1.1.1.1.

- Packaging Requirements

None

- *Waste Assessment Requirements*

The total concentration (SCC) limits for tebuconazole and di-2-ethyl hexyl phthalate do not apply to the assessment of Tanalith E treated timber. With respect to tebuconazole and di-2-ethyl hexyl phthalate treated timber may be classified according to their respective leachable concentration (TCLP) values alone. The applicable values for leachable concentration and total concentration recently determined by the EPA for tebuconazole and di-2-ethyl hexyl phthalate is at Attachment 1.

Any contaminants listed in Table A4 of the Waste Guidelines that are contained within Tanalith E treated timber must be assessed in accordance with Technical Appendix 1 of the *Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes* (Waste Guidelines – EPA 1999).

- *Disposal Restrictions*

None

- *Record keeping requirements*

The responsible person is required to keep records of the management and disposal of Tanalith E treated timber waste, which is assessed as industrial waste or hazardous waste, for a period of at least 3 years from the date which the timber waste is disposed of off site.

- *Waste Management Requirements*

None

1.1.2 G) RESPONSIBLE PERSON

The person or class of persons to whom this general approval relates is the person who carries out the assessment and classification for the purpose of this approval. The responsible person must comply with the conditions of this approval.

Environment Protection Authority

Per: Bill Gara
Manager Technical Advisory Unit

By Delegation

Dated: 1 September 2000.

1.2 **ATTACHMENT 1** TO GENERAL APPROVAL OF THE IMMOBILISATION OF CONTAMINANTS

1.3 IN WASTE (APPROVAL NUMBER: 2000/08)

The EPA has determined the following additional values of leachable concentration and total concentration for plasticiser compounds and tebuconazole for insertion into Table A4 of the *Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes* (EPA 1999) to be used for the assessment of waste containing these chemical contaminants.

ADDENDUM TO TABLE A4 OF THE ENVIRONMENTAL GUIDELINES: ASSESSMENT, CLASSIFICATION AND MANAGEMENT OF LIQUID AND NON-LIQUID WASTES (EPA 1999)						
Leachable concentration (TCLP) and total concentration (SCC) values for non-liquid waste classification						
	Maximum values for <i>leachable concentration</i> and <i>total concentration</i> when used together .					
	Inert Waste		Solid Waste		Industrial Waste	
Contaminant	Leachable concentration	Total concentration	Leachable concentration	Total concentration	Leachable concentration	Total concentration
	TCLP1 (mg/L)	SCC1 (mg/kg)	TCLP2 (mg/L)	SCC2 (mg/kg)	TCLP3 (mg/L)	SCC3 (mg/kg)
Plasticiser compounds*	0.1	600	1	600	4	2,400
Tebuconazole**	0.64	230	6.4	230	25.6	920

*Plasticiser compounds means the total of di-2-ethyl hexyl phthalate (CAS Registry Number: 117-81-7) and di-2-ethyl hexyl adipate (CAS Registry Number: 103-23-1) contained within a waste.
 ** Tebuconazole (CAS Registry Number: 107534-96-3).

Environment Protection Authority

Per: Bill Gara
 Manager Technical Advisory Unit

By Delegation

Dated: 1 September 2000.