

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

2001/12

This approval replaces general approval of immobilisation number: 2000/10 which is hereby revoked.

B) SPECIFICATION OF WASTE TO WHICH THIS APPROVAL APPLIES

This approval applies to waste consisting of Creosote-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

Cresol (total), m-Cresol, o-Cresol, p-Cresol, C₁₀ - C₃₆ petroleum hydrocarbons, Polycyclic aromatic hydrocarbons (PAHs), Benzo-a-pyrene (BaP) and Phenol.

D) TYPE OF IMMOBILISATION

Natural

E) MECHANISM OF IMMOBILISATION

Cresol (total), m-Cresol, o-Cresol p-Cresol, C₁₀ - C₃₆ petroleum hydrocarbons, PAHs, BaP and Phenol are impregnated and adsorbed into the woody tissue of the treated timbers.

F) CONDITIONS OF APPROVAL

- Packaging Requirements

None

- *Waste Assessment Requirements*

The total concentration (SCC) limits for Cresol (total), m-Cresol, o-Cresol, p-Cresol, C₁₀ - C₃₆ petroleum hydrocarbons, PAHs, BaP and Phenol listed in Table A4 of the *Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes* (Waste Guidelines – EPA 1999) do not apply to the assessment of Creosote-treated timber. With respect to Cresol (total), m-Cresol, o-Cresol and p-Cresol,

BaP and Phenol, Creosote treated timber may be classified according to their respective leachable concentration (TCLP) values alone.

Any contaminants listed in Table A4 of the Waste Guidelines (other than Cresol (total), m-Cresol, o-Cresol and p-Cresol, C₁₀ - C₃₆ petroleum hydrocarbons, PAHs, BaP and Phenol) that are contained within Creosote-treated timber must be assessed in accordance with Technical Appendix 1 of the Waste Guidelines.

- *Disposal Restrictions*

Creosote-treated timber waste subject to this approval that meets the requirements of the Waste Guidelines for classification as 'inert waste' or 'solid waste' may only be disposed of at solid waste landfills or industrial waste landfills which have currently operating leachate-management systems and which are licensed to receive that particular class of waste, and that have licence conditions to receive waste subject to immobilisation approvals with this type of disposal restriction. Creosote-treated timber waste subject to this approval that is classified as 'industrial waste' must be disposed of at industrial waste landfills.

The interpretation of the above disposal restrictions should be referred to Part 5 of Technical Appendix 2 of the Waste Guidelines.

- *Record keeping requirements*

The responsible person is required to keep records of the management and disposal of Creosote 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*

The responsible person should ensure the landfill is permitted by conditions in its licence to receive waste subject to immobilisation approvals with the above disposal restrictions.

1.1.1 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: 14 February 2001.