

Immobilised Contaminants Approval

Pursuant to Part 10 of the *Protection of the Environment Operations (Waste) Regulation 2014* (Waste Regulation), the New South Wales Environment Protection Authority (EPA) has granted the following Immobilised Contaminants Approval.



A) Approval Number

2017/02

This approval replaces general immobilisation approval number 2015/17 which is hereby revoked.

B) Duration of approval

This approval commences on 21 November 2019 and is valid until 19 January 2020, unless sooner amended or revoked.

C) Waste to which this approval applies

This approval applies to Pasmenco Immobilised Waste which is:

1. Metallurgical furnace slag or metallurgical furnace slag contaminated excavated materials or metallurgical furnace flue dust or metallurgical furnace flue dust impacted excavated materials or any mixture of those materials that is located at residential premises inside the Pasmenco Lead Abatement Strategy (LAS) Area at Cockle Creek, NSW 2284 (Annexure A - Map).

D) Contaminants to which this approval applies

This approval applies to the following contaminants:

- Arsenic (As)
- Beryllium (Be)
- Chromium (VI) (Cr(VI))
- Lead (Pb)
- Nickel (Ni).

Any other potential metallurgical slag waste must be assessed on a case by case basis via a separate Immobilised Contaminants Approval.

E) Responsible Person

The person or class of persons to whom this immobilised contaminants approval is granted are the persons who generate the waste to which this approval applies. Responsible persons must comply with the conditions of this approval.

F) Mechanism of immobilisation

Arsenic, beryllium, chromium (VI), lead, nickel and inorganic compounds of these elements are encapsulated within the furnace slag during its formation at elevated temperature exceeding 1,000 degrees Celsius. These elements and their silicate and other compounds are bonded within a vitrified solid mass.

G) Conditions of approval

1. Packaging requirements

- 1.1. Dusty materials must be bagged or drummed or otherwise contained to avoid dust generation during handling.
- 1.2. Excavated materials contaminated by metallurgical slag and/or metallurgical furnace flue dust should be handled, packaged and transported with the appropriate health, safety and environmental controls to prevent or minimise human and environmental exposure to the materials, or cross contamination.

2. Waste assessment requirements

- 2.1. For the Pasminco Immobilised Waste subject to this approval:
 - 2.1.1. No further testing and assessment is required.

3. Storage restrictions

- 3.1. Pasminco Immobilised Waste may only be stored at the Summerhill Waste Management Facility, Wallsend which is operated by Newcastle City Council (Environment Protection Licence No. 5897).
- 3.2. This approval only allows a total of up to 1000 tonnes of Pasminco Immobilised Waste to be stored.
- 3.3. Pasminco Immobilised Waste must be **stored** as follows:
 - 3.3.1. In a secure and bunded storage area which prevents sediment runoff.
 - 3.3.2. In a manner which prevents or minimises the generation of dust.

4. Waste tracking and notification requirements

- 4.1. Pasminco Immobilised Waste must be tracked using the EPA's WasteLocate system or equivalent process.

H) Definitions

In this approval:

Waste Classification Guidelines means the *Waste Classification Guidelines Part 1: Classifying Waste* (November 2014) published by the EPA and available at www.epa.nsw.gov.au.

Asela Atapattu
Director Hazardous Materials Chemicals and Radiation
By Delegation
Environment Protection Authority

Date: 13 November 2019



Legend

 Pasmenco LAS Area

**Pasmenco
Lead Abatement Strategy
(LAS Area)**

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