

**AIR POLLUTION CONTROL REQUIREMENTS
FOR THE TRANSPORTATION AND HANDLING OF PFA**

When lagooned or fresh PFA is transported by road or used as fill above water, dust suppression measures shall be implemented at all times to prevent dust nuisance, and these shall include, but not be limited to, the following measures :

- (1) In the process of loading and handling, PFA which has the potential to create dust shall be treated with water or sprayed with a wetting agent.
- (2) PFA shall be transported either wet or damp ('conditioned') and covered, or in sealed containers. PFA shall be placed and compacted the same day it arrives on site and shall not be stockpiled.
- (3) The site shall be frequently cleaned and watered to minimise fugitive dust emission.
- (4) Any vehicle with an open load-carrying area used for moving PFA which has the potential to create dust shall have properly-fitting side and tail boards. PFA with the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin. The tarpaulin shall be properly secured and shall extend at least 300mm over the edges of the side and tail boards.
- (5) All motorized vehicles shall be restricted to a maximum speed of 8km per hour within the site. Haulage and delivery vehicles shall be confined to designated roadways inside the site. Areas of roadway longer than 100 m on which the movement of motorized vehicles exceeds 100 vehicle movements per day, or as directed by the Engineer, shall be finished with a flexible pavement surfacing. The road pavement design shall be to "Guidance Notes on Pavement Design (RD/GN/017)" issued by the Highways Department and its amendments as stipulated in Highways Departments Technical Circular No. 5/93, or to a standard as agreed by the Engineer.
- (6) Wheel washing facilities shall be installed and used by all vehicles leaving the site. No PFA whatever shall be deposited on public roads. Water in the wheel-washing facility shall be changed at frequent intervals, and sediment shall be removed regularly. The wheel-washing facility shall be operational prior to any earthwork activities on the site. The contractor shall provide a hard-surfaced road between the wheel-washing facilitate and the public road.
- (7) The PFA filling including final compaction shall be completed, as quickly as possible, to minimise wind-blown dust.
- (8) A final cover layer of natural soil, with a minimum thickness of 1 metre, shall be provided to areas where PFA has been used as a fill material.

To : Secretary, Fill Management Committee
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Civil Engineering Department
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INFORMATION ON PFA FILLING WORKS

Department/Division/Office :

Project/Contract Name and Location:

Contract No. :

Type of PFA used : fresh/lagooned/both

Type of use : above/below water/both

Quantity of fresh PFA (m³) :

Quantity of lagooned PFA (m³) :

Commencement and completion
dates of PFA filling :

Record of any problems
encountered with the use
of PFA as fill :

Location plan of the PFA fill area is attached

Signed.....Date.....

Name & Post.....

Telephone No.....