

Dust Control and Water Management

Defence Logistics Transformation Program (DLTP)
at the Defence National Storage and Distribution Centre (DNSDC Liverpool Site)

This factsheet outlines the dust control strategy developed for managing the impacts of dust to the environment and to nearby potentially sensitive receivers (predominantly neighbouring residential areas) of the Defence National Storage and Distribution Centre (DNSDC Liverpool) site during DLTP construction activities. Dust control requires the use of a significant quantity of water and this factsheet also outlines a water management plan that has been developed for reducing the quantity of potable water used on site.

Dust Control

Measures for mitigating the impacts of dust to the environment and to nearby, potentially sensitive receivers include:

- Use of water cart for mobile dust suppression where required, for example to dampen stockpiled materials and gravel construction roads to avoid dust fines being unsettled and becoming airborne by traffic movement and wind
- Provision of a fixed irrigation (ring main) system along the north and east site perimeters for dust suppression during and after standard hours of site operation
- Establishment of a shade cloth fence around the site perimeter to shield adjacent sites from low level airborne dust
- Progressively seed and finish areas as works progress for soil stabilisation
- Site activities to be assessed and managed accordingly on dry and windy days to limit dust generation



The Site

Water Management

- Two stormwater detention ponds are proposed at the eastern boundary of the site. The majority of the stormwater from the site will be channelled to these detention ponds, to reduce storm flows, and capture sediment and nutrients. Water will also be harvested from the stormwater detention ponds for re-use in dust control activities, thereby reducing the demand for mains water.
- Channels/swales will be constructed during site establishment and fitted with temporary protection measures for the duration of construction. These swales would form the permanent grassed channels to convey clean water during operation.
- The Construction Environmental Management Plan outlines management practices and discharge test criteria required to meet water quality objectives prior to any discharge from the stormwater detention ponds.

