



COAL DUST STUDY

The Port of Hay Point is the second largest coal export port in Australia and is located about 40 kilometres south of Mackay. Primarily exporting metallurgical coal, the two operating terminals; Dalrymple Bay Coal Terminal (DBCT) and Hay Point Coal Terminal (HPCT) have an annual throughput of approximately 115 million tonnes.

A Coal Dust Study was commissioned for the Port of Hay Point by North Queensland Bulk Ports Corporation in coordination with DBCT and HPCT to proactively assess the impact of coal dust on surrounding communities. The study collected three different sample sizes of dust in a 15-month period at five sites from Salonika Beach to West Mackay.

Sample Sites



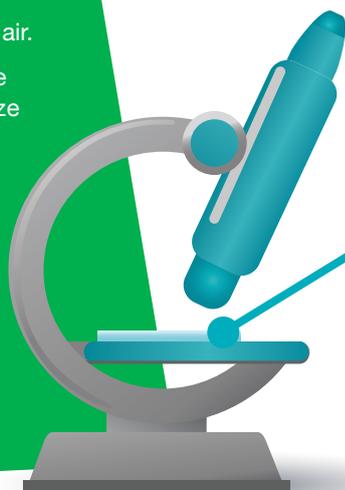
Dust particles explained

Total Suspended Particles (TSP) is the measure of all Particulate Matter (PM) in the air.

Particulate Matter (PM) is everything in the air that is not a gas. The particles vary in size and composition.

PM₁₀ is matter less than 10 micrometres in size and originates mainly from natural sources, including fires, or machinery, including vehicles and lawn mowers.

PM_{2.5} is finer matter, less than 2.5 micrometres in size, and largely originates from combustion processes. PM_{2.5} is a more serious health concern due to the smaller particles.



KEY FINDINGS

75-95% of the dust at community sites was made up of insect or plant matter.

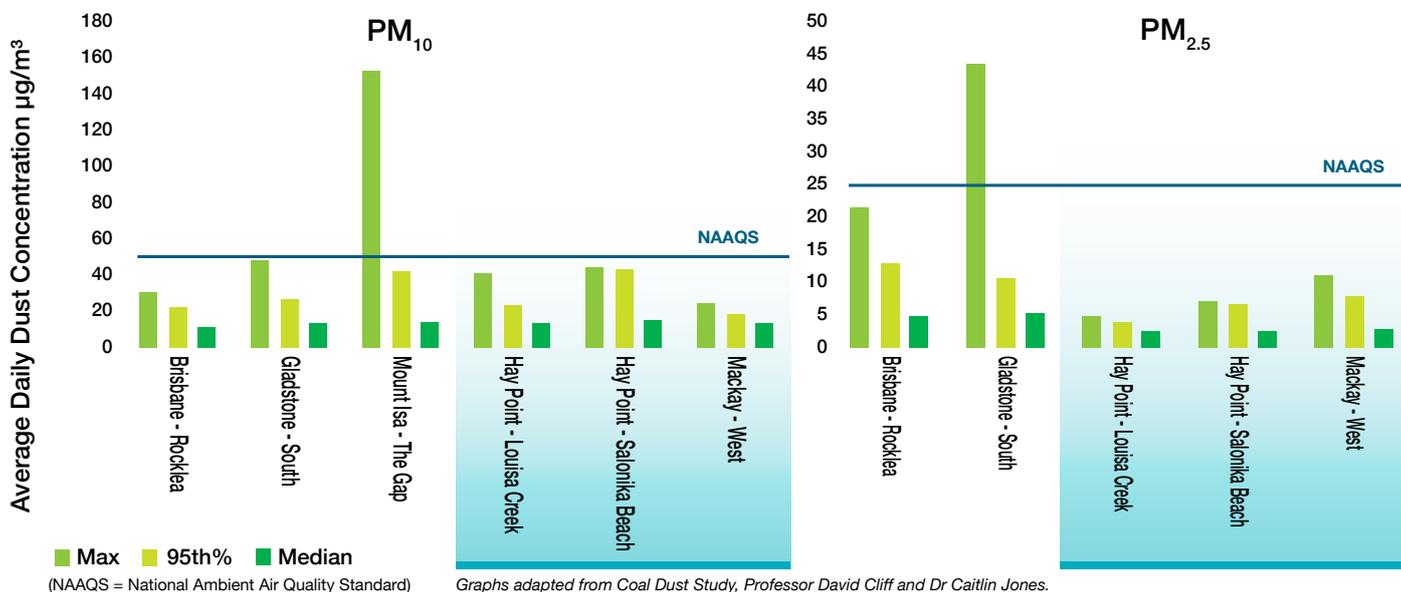
The black colour of dust is also made up of soil, soot, mould, diesel particulates and coal.

The study found a correlation between coal in dust levels and amount of time the wind was blowing in a direction directly from the terminals – the longer the wind blew from that direction, the more coal there was found in the dust particles.

Some coal was found in the TSP fraction and PM₁₀ fraction, very little seen as PM_{2.5}.

Dust concentrations in the Hay Point area compared favourably with other centres in Queensland with the community sample sites showing there were no exceedances of National Ambient Air Quality Standards – they were all well below.

The study indicates that the Hay Point coal terminals would not be a significant contributor to any respirable dust related health issues in the local community.



To access the Executive Summary of the study or for more information visit our website, www.nqbp.com.au/hay-point. To request a full copy of the study, email communications@nqbp.com.au.

NORTH QUEENSLAND BULK PORTS

P 1300 129 255 E info@nqbp.com.au



nqbp.com.au

HAY POINT • MACKAY • ABBOT POINT • WEIPA

SMART PORTS • BRIGHT FUTURE