

# Coal: Health Facts



**Coal is safe, inert and has been transported safely for more than 40 years.**

**The International Agency for Research on Cancer does not include coal dust on its list of carcinogenic agents harmful to humans.**

In Montana, a review of a 2012 Missoula City-County Health Department coal dust study confirmed it is unlikely that coal dust emissions generated by the transportation of coal by railway will have health impacts on the public.



**COAL IS NOT CLASSED AS A DANGEROUS OR HAZARDOUS MATERIAL BY TRANSPORT CANADA**



**YOU CAN HANDLE COAL WITH BARE HANDS - PROTECTIVE EQUIPMENT IS NOT REQUIRED BY EMPLOYEES HANDLING THE PRODUCT**



**WE WORK HARD TO MEET OR EXCEED STANDARDS SET TO KEEP WORKERS AND COMMUNITIES SAFE**

In 2013, Delta conducted monitoring to investigate the presence of coal dust in the community. Results showed that there was limited coal dust, even in the driest month on record.

In March 2014, the Northwest Clean Air Agency - which enforces government clean air standards in the U.S. Pacific Northwest - released a study which indicated that after a year's worth of monitoring, coal dust is simply not a cause for concern.



## RAIL TRANSPORTATION

**Rail is the most environmentally responsible way to move our natural resources - up to four times more efficient than trucks.**

Each rail car is sprayed with a coating that forms a thin crust on the coal to keep it in place.



A single freight train replaces up to 250 trucks, saving 35,000 litres in fuel and 100 tonnes of GHG emissions.

According to Transport Canada, railway companies have reduced greenhouse gas emissions by 9.1% since 1990 despite an increase of 23.1% in the amount of cargo carried and distances travelled.



## TERMINALS

**Metro Vancouver's air monitoring results show continuous year-over-year improvement in air quality even as activity at our terminals has increased.**



Marine terminals use advanced dust suppression systems to ensure coal does not leave the terminal.



Electric rail car positioning equipment and ultra-low emission locomotives are used at many terminals, significantly reducing noise and emissions.