



Australian Government

Department of the Environment and Heritage

Reporting Australia's particulate matter emissions

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Australian Government

Department of the Environment and Heritage

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Outline

- National Environment Protection Measures
- The National Pollutant Inventory (NPI)
- Sources of PM_{10}
- Issues in reporting particulate matter





NEPMs

- National Ambient Air Quality
- Diesel Vehicle Emissions
- National Pollutant Inventory





The National Pollutant Inventory

- Reporting mechanism for 90 NPI substances
- Data publicly available on a website
- Emissions from industry or facilities and diffuse sources





NPI website: www.npi.gov.au



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National Pollutant Inventory

You are here: [DEH Home](#) > [NPI](#)

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Related themes

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Australia's national database of pollutant emissions

The National Pollutant Inventory (NPI) provides Australians with access to information on the types, amounts and effects of pollutants being emitted in their communities.

The NPI now holds emission data for close to 3400 facilities, 33 airsheds and 32 water catchments around Australia. Emissions are estimated for industrial facilities across Australia, and for diffuse sources such as transport and domestic activities in airsheds, and agriculture in water catchments.

Search the NPI database and find out about pollutant emissions at the local, regional or national level. Find information about individual facilities in your area and use the make a map tool to locate any facility that reports to the NPI.

Search the NPI database

- [Location](#) - emissions in your neighbourhood or state
- [Substance](#) - descriptions and emissions of substances
- [Source](#) - emissions from industry and other sources
- [Facility](#) - emissions from individual industrial facilities
- [Combined search](#) - search all of the above categories

Using NPI data

Quick links

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keep an eye on pollution

in your neighbourhood
your town
your state

Quick Find

Find out about pollutant emissions in your postcode



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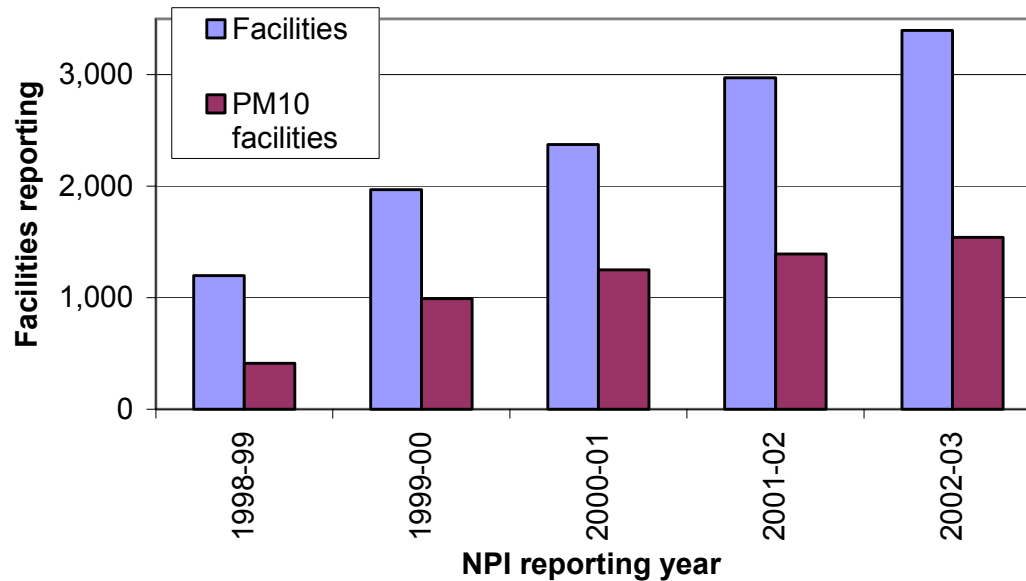
Quick Find

Find out about pollutant emissions in your postcode



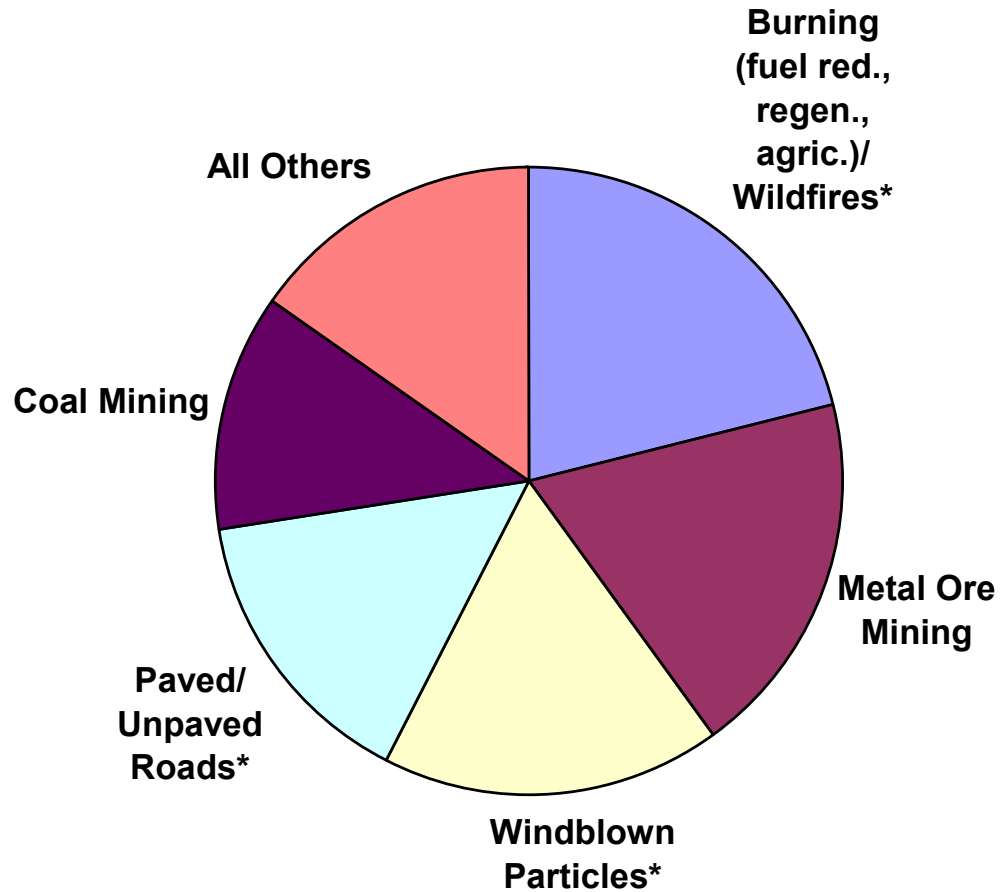
NPI reporting PM₁₀: 2002-03

- In total 3,396 facilities reported
- 45% of facilities reported PM₁₀





NPI PM₁₀ Top Sources





Industry sources

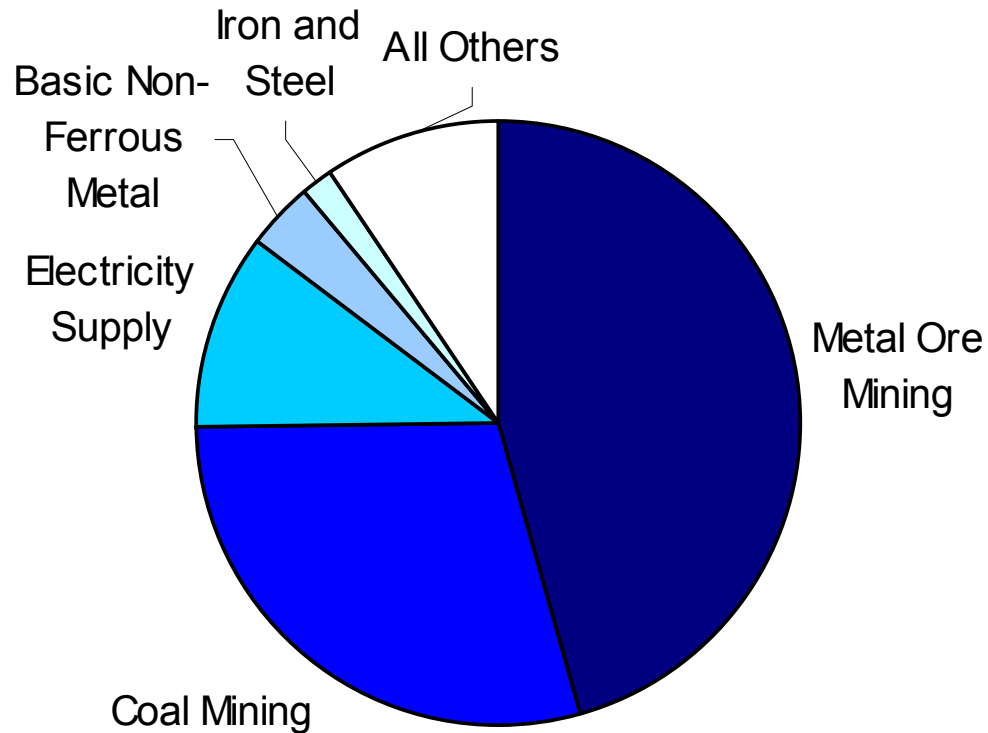
- Five major industry contributors including mining and electricity supply
- Contribute 90% of industry emissions of PM_{10}
- Other 60 industry sectors contribute 10% of PM_{10}





Industry sources

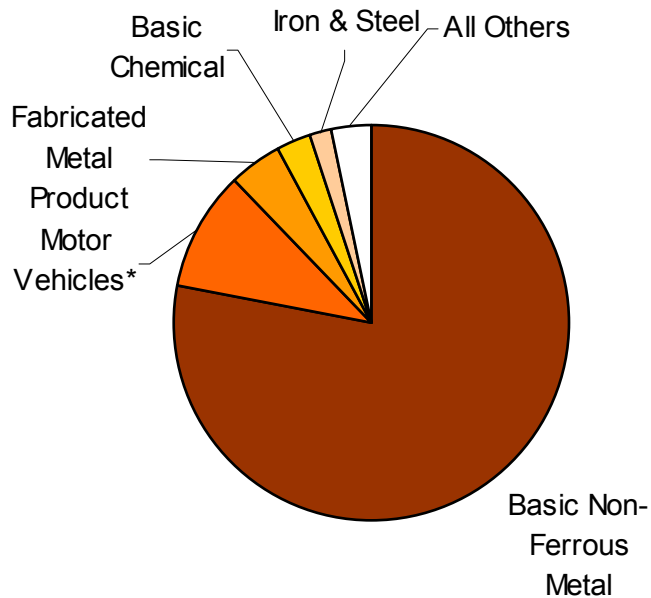
B: Australia: industry



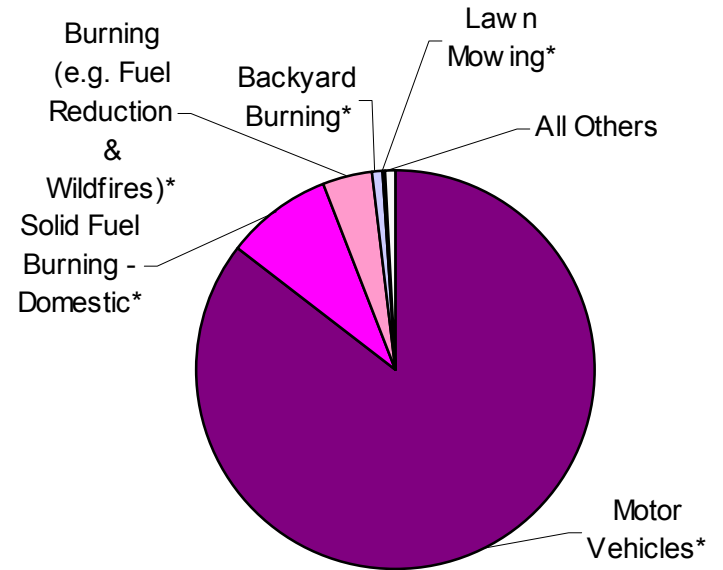


Regional areas

C: Australia: Postcode 2505



D: Australia: Postcode 2500





Issues in reporting PM_{10} emissions

- Accuracy of reporting fugitive particulate matter
- Metals content of particulate matter
- Should $PM_{2.5}$ be reported?
- Community interpretation of NPI data





Working with industry

- Industry consulted on manuals with guidance for estimating particulate matter
- Western Australian NPI Unit undertaking a project to improve accuracy of reported emissions of fugitive PM emissions





*Improvement of NPI Fugitive
Particulate Matter EET*

21 September, 2004



Summary

- Diffuse sources of particulate matter can be greater than industry or facility sources
- Particulate matter emissions are spatially variable
- The mining industry still has issues about the reporting of PM
- The NPI program is seeking to improve the estimation techniques for particulate matter

