



SA EPA 2005-06 NPI UPDATE

New Reporters for the National Pollution Inventory (NPI)

In the 2005-06 reporting year the South Australian NPI team had a 5.8% increase in the number of reporters. This brings the total number of industries that are reporting to the NPI in South Australia to over 400 industries.

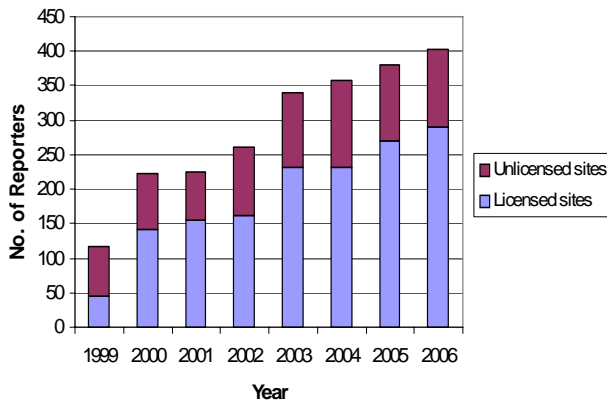


Figure 1: Number of South Australian NPI reporters (EPA Licensed and Unlicensed)

The SA NPI team would like to welcome our new reporting facilities and thank them for fulfilling their NPI reporting requirements and contributing to the important resource that NPI data is for all South Australians. The following is a list of our new reporting sites for 2005-06:

- ABB Grain Ltd (3 sites)
- Adelaide Airport Ltd
- Adelaide Plains Feedlot
- Baiada Poultry Pty Ltd
- Bird in Hand Winery
- BN & DM Fredericks Pty Ltd
- Capral Aluminium Ltd
- Clipsal Aust P/L
- Coolalie Feedlot Pty Ltd
- Fleurieu Vintners Pty Ltd
- Gary Jones & Alena Crosbie
- Gemlake Pty Ltd
- Hanson Construction Materials P/L
- Inghams Enterprises Pty Ltd
- Intercast & Forge P/L
- K T Ashby & Sons Pty Ltd
- Limerock Holdings Pty Ltd
- Lucas Waste Management
- Malwa Nominees
- Mountadam Vineyards Pty Ltd
- Old Penola Pastoral Company
- Tinlins Wines Pty Ltd
- Tyrrell's Vineyards Pty Ltd
- Unimin Australia Limited
- UU Victor Harbor P/L

As the inventory in South Australia continues to grow the SA NPI team are continuing to check thresholds with industries around the state and provide guidance on reporting, if you require any advice or assistance in reporting please contact us.

2005–06 NPI data release

The 2005–06 data has been released by the Australian government and is available on the national NPI website <www.npi.gov.au>. Below are some statistics on this year's national data:

- 2005–06 was the eighth NPI reporting year
- Since reporting started in 1999, the number of facilities reporting to the NPI has trebled
- 3,835 facilities reported on 86 of the 90 NPI substances
- 47 of the 90 NPI substances reported by facilities showed a decrease compared to the previous year.

Remember if you would like to have help in understanding the data, the SA NPI team has developed an 'interpretive guide' to better understand the data. It can be accessed electronically at <www.epa.as.gov.au/pdf/interpretive_guide.pdf>.

Update on changes to the NPI National Environmental Protection Measure

The NPI is called into legislation in Australia under a National Environmental Protection Measure (NEPM) from the Australian Government. Last year a range of changes were proposed to the existing NPI NEPM. The major proposals were the addition of transfers (the movement of waste substances) on site or off site and the inclusion of greenhouse gas reporting through the NPI.

The greenhouse gas reporting through the NPI was not pursued after the Council of Australian Governments (COAG) made the decision to commence a separate national reporting structure for greenhouse gases. But the NPI remains an alternative reporting option if the new system is not able to meet the timeframes required for it to commence.

After the consultation process in 2006 the proposed NEPM changes include:

- the inclusion of data on the transfer of substances from one location to another (mandatory reporting if

- transfer to destruction or final containment, voluntary reporting if transferred for reuse or recycling)
- removal of reporting exemption for the aquaculture industry
- technical adjustments to the substance list
- threshold changes for mercury (5kg usage threshold)
- the inclusion of PM2.5; acrolein and polychlorinated biphenyls.

The next step is for the proposed NEPM to be presented to the National Environment Protection Council for acceptance, currently set for June 2007. Further details are available at the national NPI site <www.npi.gov.au>.

Please note that these changes will not be included for the 2006–07 reporting period. More detail on reporting guidance and timeframes will be provided to reporters closer to the changes occurring.

Further enhancements to the NPI including online reporting

The Australian government is working in partnership with the SA NPI team to improve the NPI for both reporting industries and end users of the data. The key changes currently being developed include;

- **Calculation tools:** Coding the equations (or emission factors) from the NPI emission estimation technique manuals into calculators to improve data quality and make it simpler for industry to estimate their emissions. The calculators will be incorporated into a web-based reporting system for ease of data submission. Reducing the time taken to report will result in cost savings to industry. The prototypes produced thus far have been well received by industry representatives.
- **Online reporting:** Building a web-based reporting system to simplify the process by which industry reports their emissions to the NPI, as well as provide improved validation. This, in turn, will feed into an enhanced jurisdictional database system allowing for more effective auditing of emissions data.

This system will replace the existing National Reporting Tool (NRT) but if reporting sites still use paper reporting forms they will still be accepted.

- **Manual review:** Updating emission estimation technique manuals progressively to reflect changes in emission factors, as well as industrial processes.
- **Website review:** Redesigning the national NPI web site to improve the database search functionality, update fact sheets, and provide additional contextual data.

These changes will be implemented in stages over the next two to three years.

NPI reports showing emission reduction by industry

We are always on the look out for some great emission reductions and a report that caught our eye last year was from Mitsubishi motors manufacturing site at Tonsley Park in Adelaide. The installation of a regenerative thermal oxidiser lead to a 98% reduction in emissions of many different VOCs from their process, which showed up clearly on their annual NPI report.

This is a good example of how NPI reporting can provide a guide to the environmental improvements that industries achieve on site and is a way of demonstrating environmental improvements to the public.

There is more detail on the Mitsubishi emission reduction in the NPI annual report.

NPI Annual Report 2005–06

This year's summary report contains the following sections:

- Use of NPI data by the SA EPA
- Industry reporting—number of reporters
- Emission reductions: A success story

- Industry emissions study—Kilburn & Gepps Cross Area
- Regional diffuse emissions: motor vehicles vs solid fuel burning.

The summary report is already available on the EPA website <www.epa.sa.gov.au/pdfs/npi_sum0506.pdf>.

SA EPA website changes

The South Australian EPA website contains a page dedicated to the NPI <www.epa.sa.gov.au/npi.html> which contains information for new reporting industries, NPI reports from previous years and resources for the NRT and online NPI forms.

Late last year we undertook a survey of our stakeholders in terms of those who use the NPI data once it is made available from our reporting sites. The website was highlighted as our major means of communication and required a change to make it easier to navigate and to be more specific to our stakeholder groups.

As a result we are in the process of refining our space on the SA EPA website. The first changes will be to improve navigation and later a completely new page will be developed in the coming months to coincide with a facelift for the whole SA EPA site.

Manual updates

The following manuals have been recently updated and are available on the national website <www.npi.gov.au/news/index.html>:

- Beer and ready to drink beverage manufacture manual—version 1.2
- Intensive livestock - beef cattle feedlot manual—version 3.0
- Cement manufacturing manual—version 2.0
- Gold ore processing manual—version 2.0

Next reporting period

Calendar year NPI reporters have now submitted their reports that were due on the **31 March 2007**.

While for financial year reporters, **30 September 2007** is the final submission date.

Who can I contact for help?

If you require any assistance with the NPI, please contact the NPI team:

Telephone: (08) 8204 9095

Fax: (08) 8124 4676

Email: <npi@epa.sa.gov.au>

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