

Providing sustainable solutions

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# National Pollutant Inventory

(NPI) Advisory Services

[www.ccr.earth](http://www.ccr.earth)

# The National Pollutant Inventory (NPI)

Australian industries are required to monitor, estimate and report their emissions under the National Environment Protection National Pollutant Inventory Measure (NPI NEPM) legislation. This legislation provides the framework for the development and establishment of the National Pollutant Inventory (NPI) database which is designed to provide publicly available information on the types and amounts of certain substances being emitted to air, land, and water across Australia. All companies that reach certain thresholds are **legally required to publicly report** the pollutants they emit.

*Unsure if your organisation needs to report to the NPI? **Contact CCR today** and our team of experts will help rapidly determine whether your facilities are at regulatory risk!*

The NPI contains data on 93 substances identified as pollutants due to their possible effects on human health and the environment. Australian **industrial facilities which trip a defined threshold for any of the 93 NPI substances are required by law to report annually** to the NPI. The six different threshold categories (Category 1, 1a, 1b, 2a, 2b, and 3) are based on substance usage, including transfers and fuel combustion. The full list of NPI substances can be found on the NPI website ([www.npi.gov.au](http://www.npi.gov.au)).

If any NPI thresholds are exceeded, the facility must calculate their emissions and transfers of substances in waste from their site and provide the results to the environmental agency in their state or territory



## If you emit the following within a year you must report to the NPI!

- 10 tonnes or more of any Category 1 substance; or
- 25 tonnes or more of any Category 1a substance; or
- 5 kilograms or more of a Category 1b substance; or
- For category 2a substances, burnt 400 tonnes or more of fuel and/or waste; or
- For category 2b substances, burnt 2,000 tonnes or more of fuel and/or waste, or consumed 60,000 MWh or more of electrical energy other than lighting and motive



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## Reporting Deadlines

The deadline for submitting NPI emissions reports is 3 months after the end of a 12-month reporting period.

The report must be submitted **by 30th September** for each elapsed Financial Year, or **by 31st March** for each elapsed Calendar Year.

An NPI report can be lodged with respective state or territory environment agencies using the NPI Online Reporting System (ORS).

## How CCR Helps

CCR can provide a full range of technical advice to organisations to **ensure their National Pollutant Inventory and related reporting obligations are met** (e.g. NGERs). CCR's comprehensive data management system provides a **documented and fully auditable record for compliance**.

We work with our clients to understand their business and needs. We have a proven record of performance in providing both strategic advice and practical, sustainable solutions.

The relevant state or territory environment protection agency assesses the report and forwards it to the Australian Government's environment agency in Canberra for inclusion on the NPI database, which is published at the end of March each year

## CCR's Experience

Through its experienced team of professionals, CCR offers NPI and greenhouse gas inventory, measurement and management services. We assist corporations understand their emissions, energy use and greenhouse gas profile and realise operational cost savings by reducing their emissions and energy consumption. CCR has the experience and capacity to provide a comprehensive suite of services including:

- Carbon tracking and reporting to achieve net zero targets using Arnowa's Carbon Dashboard
  - Technical advisory and independent verification services for environmental accounting related to NPI and greenhouse gas and energy-related Australian Government programs including the National Greenhouse and Energy Reporting System (NGERs) and the National Carbon Offset Standard (NCOS);
  - Data collection and inventory system development that will avoid multiple data handling for the reporting requirements of programs such as NPI, NGERs, etc.;
  - Gap analysis and internal audit to determine if a company's NPI and NGERs systems and inventories are compliant with program requirements; Benchmarking of pollutant and greenhouse gas inventories;
  - Generation of greenhouse gas inventories to NGERs requirement, documentation, and auditing;
  - Carbon footprinting and life cycle assessment, reporting, and documentation;
  - Preparation of greenhouse gas management plans for environmental and other statutory approvals; and
  - Training and capacity building including preparation of information resources and delivery of professional development through in-house and/or online training.
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## CCR's Experience

Our team has over 30 years' experience in the private and Government sectors working in the areas of National Pollutant Inventory, greenhouse gas inventory, measurement and management, energy efficiency and sustainability. We provide strategic, practical advice to corporations across a range of industrial and commercial sectors including some of Australia's leading companies

Our Staff have experience working with some of Australia's biggest companies to develop inventories, as well as within the WA State Government for the regulation and verification of the NPI program!

## CCR's Recent Projects

Some of the NPI and greenhouse gas measurement and management projects in CCR's portfolio include:

Development of environmental accounting system and NPI reporting for the gas processing and manufacturing sectors including ConocoPhillips ABU, Eni Australia, Yara Pilbara Fertilisers (previously known as Burrup Fertilisers), and Yara Pilbara Nitrate Plant;

Development of environmental accounting system and NPI reporting for mining and minerals processing sector including Aditya Birla Minerals, Moly Mines, and Silverlake Resources;

Development of environmental accounting system and NPI reporting for power generation and distribution sector including Horizon Power;

Development of environmental accounting system and NPI reporting for Port Hedland Port Authority;



Development of environmental accounting system and NPI reporting for the City of Rockingham Millar Road Landfill facility;

Development and management of WA GHG reporting scheme


Corporate greenhouse gas management strategy development for ConocoPhillips ABU, Wesfarmers Resources and BHP Billiton Worsley Alumina;


Development of greenhouse gas management strategy for environmental approval for the Yara Ammonium Nitrate plant;

Lifecycle carbon emissions assessments (operational and embodied emissions) for a range of infrastructure projects including roads and ports; and

Industry short course training program for the water industry entitled "Carbon Accounting in the Water Industry – Managing Climate Change Risk" with IWES.

## Contact Us

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