



# GROUP ENVIRONMENTAL STANDARD 6 AIR EMISSIONS MANAGEMENT

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## 1. INTENT

This standard details requirements for the identification and management of air emissions from IGO operations and their potential impacts on the environment and community health.

## 2. APPLICATION

This standard shall apply to all IGO sites, projects, and intensive exploration activity (collectively referred to as sites). All IGO sites shall comply with the provisions of this standard, and all relevant legislative requirements for each location.

## 3. RISK ASSESSMENT

All sites must develop and maintain a risk assessment of hazards<sup>1</sup> posed by their air emissions. Risk assessments must be completed at each stage of the site's life cycle. For guidance refer to **Group Environment Standard 2 - Social & Environmental Impact Assessment**.

Risk assessments must be completed periodically during the operational phase of mining operations. Risk assessments must consider emission characteristics, emission monitoring results and emission abatement measures.

For further information on risk assessments refer to the **Group Safety Standard 3 – Safety Risk Management**.

## 4. EMISSIONS CHARACTERISATION

IGO operations shall characterise their actual and potential air emissions. Specifically, site's must:

- determine background levels of air pollutants (where they exist) so as to differentiate IGOs contribution to the airshed
- develop, implement and maintain an inventory of point source and fugitive emissions from IGO activities or operations
- characterise the emissions from each source in terms of chemical and physical composition
- model the likely dispersal of emissions using third party expertise
- identify known and potential sensitive environmental and community receptors within the airshed and the potential impacts that air emissions may have on these receptors
- document the methodologies, models and assumptions used in the characterisation and impact assessment of air emissions.

## 5. EMISSIONS MONITORING

Where emission characterisation and impact assessments identify specific emissions of concern, sites shall develop and complete an appropriate monitoring program. It is accepted that this requirement may impose a stricter requirement on the site than would otherwise be required in law.

Air emission monitoring programs must include as a minimum:

- estimation methodologies for all significant point source and fugitive emissions
- assessment of receiving environment receptors that could be impacted by emissions

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<sup>1</sup> IGO will maintain the Climate Change risk assessment at a corporate level.

- a summary of the air emissions inventory
- emission factors and modelling assumptions
- monitoring equipment (including sampling schedules and calibration requirements)
- comparison of air emissions against relevant regulatory and licence criteria
- Triggered Action Response Plans (TARPs)
- improvement objectives and targets
- emergency plans and contingency measures for unplanned situations.

## **6. EMISSIONS ABATEMENT**

Sites shall implement an air emissions abatement program that specifies abatement controls for emissions determined to have an actual or potential impact on surrounding receptors, including offsets.

Where relevant, sites shall design, install and maintain appropriate emissions control technologies to manage those air emissions identified as having potential or actual environmental and/or community health impacts to identified receptors.

## **7. REPORTING**

IGO will complete its statutory reporting obligations for air emissions including, but not limited to, the National Greenhouse & Energy Reporting (NGER) scheme and the National Pollutant Inventory (NPI) or similar as relevant to jurisdictions outside Australia.

Significant incidents and non-compliances, and associated corrective actions, shall be recorded in INX.

## **8. RESPONSIBILITIES**

It is the responsibility of the:

- General/Resident Manager to ensure that sites located on mining leases conform to this standard and all relevant statutory obligations
- Exploration Project Manager to ensure that their exploration team conforms with this standard and any additional statutory obligations
- General / Resident Manager to nominate a person responsible for ensuring that the monitoring and reporting of air emissions conforms to this standard and any additional statutory obligations.

## **9. RELATED DOCUMENTS**

This standard shall be viewed with reference to the following IGO documentation where relevant:

- Group Safety Standard 3 - Safety Risk Management
- Group Environment Standard 2 - Social and Environmental Impact Assessment
- National Greenhouse and Energy Reporting Technical Guidelines
- National Greenhouse and Energy Reporting (Measurement) Determination 2008
- Interpretive Guide for the NPI