

Air Emissions and Greenhouse Gas Standard

AGL-HSE-STD-008.4

1. Scope and Applicability of Standard

This Standard applies to and must be adhered to during all stages of activities and works (including planning, development, construction, operation, maintenance and decommissioning) that are, or will be, carried out in respect of AGL sites that are owned, occupied, operated, managed or controlled by an AGL Entity or third party appointed by an AGL entity unless stated otherwise in the contract.

If there is any doubt about the applicability of this Standard, contact the AGL HSE team in the first instance. Definitions of terms used in this Standard are set out in section 3.

2. Requirements

2.1 Planning

STD Ref No.	Minimum Controls
2.1.1	<p>Planning for works that may have actual or potential impacts on air quality must:</p> <ul style="list-style-type: none"> involve the AGL Environmental Representative and other subject matter experts where required; assess the environmental and human health impacts; review any relevant air emission reports where air emissions are identified as a potential risk; determine if the site is within an area that has regional or local air quality requirements; review the relevant legal requirements that apply to the site and activity; determine if existing regulatory, planning or other approvals apply (e.g. for point sources or fugitive emissions); assess if new approvals are required; and determine if an internal permit to work is required.
2.1.2	<p>The site approach to applying the AGL Health, Safety and Environmental Management System (HSEMS) to activities with respect to air emissions is to be documented in the site Environmental Management Plan (EMP).</p> <p>A specific Air Emissions Management Plan (or similar) is to be developed where:</p> <ul style="list-style-type: none"> it is required by legislation; the potential for offsite air emission impacts has been identified; or the potential for regulatory or approval breaches has been identified.

2.1.3	<p>Before works commence:</p> <ul style="list-style-type: none"> • all approvals, including licenses and internal permits to work, must be obtained; and • measures must be taken to ensure that all approval requirements, including monitoring and reporting.
2.1.4	<p>Any notices, orders, additional measures or requests issued by a regulatory authority related to actual or potential air emission impacts, including point source emissions (e.g. stack), must be complied with.</p> <p>If there is any doubt about the regulator’s authority or ability to request the relevant information or actions to be carried out, contact AGL Environmental Representative.</p>

2.2 Risk Management

STD Ref No.	Minimum Controls
2.2.1	<p>In accordance with AGL’s Fully Integrated Risk Management (FIRM) process, actual and potential air emission risks must be identified and documented before works commence and controls to mitigate those risks must be implemented. Control measures are to be aligned with legislative, contractual and approval requirements, and the requirements of this Standard.</p>
2.2.2	<p>Where activities that may impact air quality cannot be avoided, they must be managed in accordance with the following management hierarchy where practicable:</p> <ul style="list-style-type: none"> • minimize extent and duration of the air emission activity or disturbance; and • manage air emissions in accordance with relevant guidelines prescribed by the regulatory authority, site EMP and other relevant plans.
2.2.3	<p>All plant and equipment must be maintained in a proper and efficient condition according to manufacturer’s requirements and operated in a proper and efficient manner.</p>

2.3 Greenhouse Gas and Energy Management

STD Ref No.	Minimum Controls
2.3.1	<p>To support accurate greenhouse gas and energy reporting:</p> <ul style="list-style-type: none"> • data must be collated using agreed methods; • measurement and sampling devices must be maintained, calibrated and operated in accordance with manufacturer’s directions; and • data must be provided to the AGL Sustainability team in accordance with their requirements.
2.3.2	<p>Where requested, support the AGL Sustainability team in:</p> <ul style="list-style-type: none"> • clarifying site-level greenhouse gas emissions and/or energy data and related information;

- developing site-specific greenhouse gas emission and energy reporting programs or procedures; and
- participating in regulatory audits or other greenhouse gas and energy related queries or programs.

2.4 Monitoring and Improvement

STD Ref No.	Minimum Controls
2.4.1	Monitoring of air emissions must be conducted using methods and protocols approved by the regulatory authority. Where these are not available, comparable or internationally recognised monitoring methods may be used if approved by the regulatory authority.
2.4.2	Monitoring equipment must be calibrated, inspected, tested and maintained in accordance with licence/approval conditions, and relevant regulatory, manufacturer and Australian Standard (AS/NZS) requirements.
2.4.3	Monitoring data is to be recorded, with interpretation of results performed by suitably qualified and experienced professionals and in accordance with legislative requirements and approvals. Any non-compliances or exceedances are to be investigated, reported and corrective actions identified where appropriate.
2.4.4	Accredited environmental laboratory services (i.e. certified by National Association of Testing Authorities (NATA) or equivalent accreditation bodies) must be used for chemical and physical analysis of air samples.
2.4.5	Data Quality Assurance (QA) and Quality Control (QC) procedures must be implemented for conducting sampling and analysis of air samples.
2.4.6	Sites that meet the National Pollutant Inventory (NPI) reporting thresholds(s) must maintain and provide records for inclusion in AGL NPI reports within required timeframes.
2.4.7	The effectiveness of controls must be monitored through inspections and assurance activities at a frequency that is commensurate with the level of risk.

2.5 Training and Competency

STD Ref No.	Minimum Controls
2.5.1	Air emission requirements (includes monitoring, reporting, and regulatory requirements), risks and controls must be communicated to employees, contractors and third parties (such as suppliers or visitors) through site inductions, toolbox talks, training programs and contractual documentation relevant to their scope of work.

2.5.2	<p>A suitably qualified air emission professional must be engaged where prescribed by legislation or where specialist expertise is not available in-house to undertake any of the following:</p> <ul style="list-style-type: none"> • assist with and/or undertake monitoring, assessments and dispersion modelling; • prepare specialist air emission reports and plans; or • support AGL to obtain the necessary approvals to manage air emissions and implement the requirements of such approvals.
-------	---

2.6 Incidents

STD Ref No.	Minimum Controls
2.6.1	Unmanaged, unplanned and/or unapproved point source or fugitive emissions must be contained and managed promptly in accordance with site procedures.
2.6.2	Where breaches or non-compliances are identified, corrective actions must be implemented within a timeframe commensurate with the risk.
2.6.3	The site Emergency Response Plan must include management of significant environmental incidents that result in air impacts (e.g. major releases or leaks) where identified as a potential risk.
2.6.4	Hazards, near misses and incidents resulting in potential or actual air emissions must be reported and investigated in accordance with the AGL HSE Incident, Near Miss and Hazard Management Standard (AGL-HSE-STD-011.1).
2.6.5	<p>Air emission incidents must be reported to the regulatory authority in accordance with legislative notification requirements, the site EMP and other relevant plans.</p> <p>If there is any doubt as to notification requirements to the regulator, contact the AGL Environmental Representative in the first instance.</p>

3. Definitions

Term	Definition
AGL Entity	Any AGL entity within the AGL Group, including AGL Energy Limited and any subsidiary, associated Company or related Body Corporate (as defined in the <i>Corporations Act 2001</i> (Cth), including all controlled or managed entities.
Dispersion modelling	Computer modelling to predict likely scenarios of air emissions (e.g. dust particulates) spreading out or dispersing in the atmosphere.
Environmental Representative	The person assigned responsibility for environmental management of the facility, location or site.

Term	Definition
Fugitive emissions	Unintentional or undesirable emissions to air from sources other than point sources.
Point source emissions	Emissions from a single identifiable source such as an exhaust stack.

4. Supporting Documents

The following AGL documents may also apply to works that may impact air emissions and greenhouse gas emissions and should be reviewed.

Document	Description
AGL-HSE-STD-004.2	Permit to Work Standard
AGL-HSE-STD-007.6	Plant and Equipment Management Standard
AGL-HSE-STD-007.9.1	Hazardous Chemicals and Substances Standard
AGL-HSE-STD-011.1	HSE Incident Near Miss and Hazard Management Standard
-	AGL Energy and Greenhouse Gas Manual (this is an internal compliance document owned by Manager, Climate Change Reporting & Analysis and can be requested directly)
-	AGL Risk Management & Assessment Standard
-	AGL ESG Decision Making Framework https://source.agl.com.au/sites/about-agl/SitePageModern/67771/sustainability

5. Document Control

Version	Reviewed by	Approved by	Date approved	Next Review
3.0	Head of HSE Systems, Reporting and Governance & Head of Environment	General Manager, HSE	02/05/2025	02/05/2028