

# Surface Water Standard

AGL-HSE-STD-008.3

## 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 surface water must:</p> <ul style="list-style-type: none"> <li>involve the Environmental Representative and other subject matter experts where required;</li> <li>review available surface water plans, reports or studies where impacts to surface water is identified as a potential risk;</li> <li>review the relevant legal requirements that apply to the site and activity;</li> <li>determine if existing or new regulatory, planning or other approvals apply; and</li> <li>determine if an internal permit to work (e.g. Ground and Vegetation Disturbance Approval Procedure - AGLM-HSE-PRO-008.01) is required.</li> </ul>
2.1.2	<p>The site approach to applying the AGL Health, Safety and Environmental Management System (<b>HSEMS</b>) to activities with respect to surface water is to be documented in the site Environmental Management Plan (<b>EMP</b>).</p> <p>A specific Surface Water Management Plan (or similar) is to be developed where:</p> <ul style="list-style-type: none"> <li>required by legislation; or</li> <li>the potential for off site surface water risks impacts have been identified; or</li> <li>the potential for regulatory or approval breaches have been identified.</li> </ul>
2.1.3	<p>Before works commence:</p> <ul style="list-style-type: none"> <li>all approvals including licences, approval for works near waterways and internal permits to work must be obtained; and</li> <li>measures must be taken to ensure that all approval requirements, including monitoring and reporting, will be adhered to during execution of the works.</li> </ul>

STD Ref No.	Minimum Controls
2.1.4	<p>If a regulatory authority issues an order or notice related to the management of surface water, all timeframes and requirements 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 Legal.</p>
2.1.5	Review available spatial data (Geographical Information Systems) information.

## 2.2 Risk Management

STD Ref No.	Minimum Controls
2.2.1	In accordance with AGL's Fully Integrated Risk Management (FIRM) process, actual and potential surface water 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.
2.2.2	<p>Where activities that may impact surface water cannot be avoided through changing the activity, recycling or reusing waste waters, then they must be managed by the following mechanisms where practicable:</p> <ul style="list-style-type: none"> <li>• minimise the extent of disturbance or activity; and</li> <li>• manage impacts in accordance with relevant guidelines prescribed by the regulatory authority, the site EMP and other relevant plans.</li> </ul>
2.2.3	<p>Control measures must be implemented to prevent stormwater from:</p> <ul style="list-style-type: none"> <li>• becoming contaminated with hazardous substances/materials;</li> <li>• becoming loaded with sediments and other materials;</li> <li>• entering the sewer (unless authorised under a trade waste agreement); and</li> <li>• entering bores and/or being discharged to groundwater or other waterways (unless authorised by the regulatory authority).</li> </ul>
2.2.4	<p>Discharge of stormwater and wastewater must not put at risk any beneficial use or environmental values of the receiving water</p> <p>or cause the receiving water quality objectives to be exceeded unless a mixing zone has been approved or discharge is authorised by the relevant regulatory authority.</p> <p>Prior to the discharge of stormwater and wastewater, a risk assessment must be undertaken on the impact to the receiving environment and all necessary mitigation controls must be in place to address any receiving water quality exceedances.</p>
2.2.5	Stormwater and wastewater must be managed in accordance with relevant codes of practice, guidelines, approvals and where prescribed by the regulatory authority.

2.2.6	Contaminated stormwater must be captured and treated prior to being reused and/or discharged to the extent necessary to meet all legislative and approval requirements.
-------	---

### 2.3 Monitoring and Improvement

STD Ref No.	Minimum Controls
2.3.1	The effectiveness of controls must be monitored through inspections and assurance activities at a frequency that is consistent with the level of risk and as per legislative requirements and/or AGL legal advice .
2.3.2	Surface water usage and consumption must be monitored and documented appropriately.
2.3.3	Sampling and measurement equipment must be calibrated, inspected, tested, and maintained, in accordance with discharge licenses, approvals and other relevant regulatory and Australian Standard (AS/NZS) requirements.
2.3.4	Accredited environmental laboratory services (i.e. certified by National Association of Testing Authorities (NATA) or equivalent accreditation bodies) must be used for analysis of water samples.
2.3.5	Data Quality Assurance (QA) and Quality Control (QC) procedures must be implemented for conducting sampling and analysis of water samples.
2.3.6	Upload all available relevant spatial data (Geographical Information Systems) information to site databases.

### 2.4 Training and Competency

STD Ref No.	Minimum Controls
2.4.1	Surface water requirements (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 and contractual documentation relevant to their scope of work.
2.4.2	<p>A suitably qualified surface water management professional must be engaged where prescribed by legislation, or where specialist expertise is not available in-house to:</p> <ul style="list-style-type: none"> <li>• assist with and/or undertake surface water monitoring and assessments;</li> <li>• prepare specialist surface water reports and plans;</li> <li>• manage clean up and remediation of contaminated surface water; and</li> <li>• support AGL to obtain the necessary approvals to manage surface water related works and impacts and implement the requirements of such approvals.</li> </ul>

## 2.5 Incidents

STD Ref No.	Minimum Controls
2.5.1	The site Emergency Response Plan must include management of significant environmental incidents resulting in surface water contamination (i.e. major releases, spills, leaks or loss of containment) where identified as a potential risk.
2.5.2	Where breaches or non-compliances are identified, corrective actions must be implemented within a timeframe commensurate with the risk.
2.5.3	Releases, spills, leaks or loss of containment incidents must be cleaned up promptly and in accordance with regulatory requirements, the site EMP and other plans.
2.5.4	Hazards, near misses and incidents resulting in potential or actual contamination of surface water must be reported and investigated in accordance with the AGL HSE Incident, Near miss and Hazard Management Standard (AGL-HSE-STD-011.1).
2.5.5	<p>Incidents that result in:</p> <ul style="list-style-type: none"> <li>contamination of waters; or</li> <li>exceedance of criteria defined by licences, approvals or statutory provisions or statutory reporting thresholds such as those defined by the National Pollutant Inventory (<b>NPI</b>);</li> </ul> <p>must be reported to the regulatory authority in accordance with the notification requirements established by applicable legislation and the site EMP.</p> <p>If there is any doubt as to notification requirements to the regulator, contact the 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.
Environmental Representative	The person assigned responsibility for environmental management of the facility, location or site.
Surface water	Surface water is any freshwater above ground in our rivers, creeks, streams, lakes, floodplains, wetlands, and reservoirs.

## 4. Supporting Documents

The following AGL documents may also apply to surface water works 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-008.2	Groundwater Standard
AGLM-HSE-PRO-008.01	Ground and Vegetation Disturbance Approval Procedure
AGL-HSE-STD-011.1	HSE Incident Near Miss and Hazard Management Standard
-	AGL Risk Management & Assessment Standard

## 5. Document Control

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