



APPIN MINE ENVIRONMENTAL MANAGEMENT STRATEGY

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DOCUMENT REVISION LOG

Persons authorising this Plan

NAME	TITLE	DATE
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Document Revisions

REVISION	DESCRIPTION OF CHANGES	DATE
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1.0	Original document	August 2012
2.0	Update following Triennial Independent Audit	October 2014
3.0	The following changes have been made: <ul style="list-style-type: none"> Updated role and responsibilities References to parent company changed 	March 2017
4.0	Update to new template, site naming, roles and responsibilities	September 2020
Conversion to APN document – APNMP0095		
1.0	Updated following approval of MOD 3. Update to references and general update to text. Includes response to feedback from DPE.	November 2022

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1. INTRODUCTION

Appin Mine incorporates the underground mining operations, which extract coal from the Bulli Seam, and associated surface activities, including the West Cliff Coal Preparation Plant (WCCPP) and Coal Wash Emplacement Area (CWEA). Appin Mine is located approximately 25 kilometres (km) north-west of Wollongong in New South Wales (See Plan 1). Appin Mine is owned and operated by Endeavour Coal Pty Ltd, a subsidiary of Illawarra Coal Holdings Pty Ltd (ICHPL), which is a wholly owned subsidiary of South32 Limited. Appin Mine, Cordeaux Colliery and Dendrobium Mine (and associated facilities) collectively operate as South32 Illawarra Metallurgical Coal (IMC).

Run-of-Mine (ROM) coal is extracted from the Appin underground mining operations and delivered directly to the WCCPP by winder and conveyor or is transported from the Appin East Pit Top via truck along Appin and Wedderburn Roads to the WCCPP. Processed coal (clean coal product) from the WCCPP is transported by road to the Port Kembla Coal Terminal (PKCT) for shipping to domestic and international customers, or to BlueScope Steel or other local customers.

The coal wash generated as part of the washing process is emplaced at the purpose-built emplacement area located at Appin North.

Activities associated with Appin Mine are undertaken within the existing mining tenements Consolidated Coal Lease (CCL) 724 and CCL 767, Coal Lease (CL) 381 and CL 388, Mining Leases (ML) 1382, 1433, 1574, 1678, 1698 and 1473 and Mining Purposes Lease (MPL) 200 and MPL 201.

In September 2009, ICHPL submitted an Environmental Assessment (EA) for its Bulli Seam Operations (BSO) Project to the then NSW Department of Planning and Infrastructure (DoPI) for the continuation of existing underground coal mining operations for Appin Mine and West Cliff Mine. In October 2010, ICHPL submitted a Preferred Project Report (PPR) to the Secretary of the DoP requesting that the North Cliff, Area 2 and the majority of the Area 3 mining domains be removed from the BSO Project Application. This resulted in removal of most of the proposed mining beneath the Dharawal State Conservation Area and all 226 upland swamps previously identified within the Application Area.

The Company submitted a PPR Amendment in October 2011 which addressed changes to the Application Area which substantially relate to the proposed declaration of the Dharawal National Park.

ICHPL received Project Approval 08_0150 (the Project Approval) from the Planning Assessment Commission of NSW under delegation of the Minister for Planning and Infrastructure on 22 December 2011 for current and proposed mining at Appin Mine for the next 30 years, and production of up to 10.5 million tonnes per annum of ROM coal. This approval incorporates underground mining, transport and coal wash emplacement activities undertaken 24 hours a day, seven days per week. Modifications to the Project Approval has been approved in 2015 (MOD 1), 2016 (MOD 2) and April 2022 (MOD 3).

This Environmental Management Strategy (EMS) has been prepared to meet the requirements of Condition 1 of Schedule 6 of the Project Approval, as modified.

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1.1 EMS Objectives

The objectives of the EMS are to:

- a) provide the strategic framework for environmental management at Appin Mine;
- b) identify the statutory approvals that apply to the project;
- c) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;
- d) describe the procedures that would be implemented to:
 - keep the local community and relevant agencies informed about the operation and environmental performance of the project, Including a specific community and stakeholder notification and engagement strategy during the construction and operation of the Appin Mine Ventilation and Access (AMVA) Project Site.
 - receive, handle, respond to, and record complaints;
 - resolve any disputes that may arise during the course of the project;
 - respond to any non-compliance;
 - respond to emergencies; and
- e) include:
 - references to all relevant strategies, plans and programs approved under the conditions of the Project Approval; and
 - a clear plan depicting all the monitoring required to be carried out under the conditions of this approval.

Appendix 1 outlines the Project Approval conditions in relation to the EMS and the relevant sections in the EMS where relevant conditions are addressed.

1.2 EMS Purpose

The purpose of the EMS is to provide the framework for environmental management across Appin Mine in accordance with:

- the Project Approval (as modified);
- ISO 14001 Environmental Management Standard; and
- legislative and other statutory requirements.

1.3 Scope

The scope of the EMS includes the following sites, facilities, surface activities and mining areas:

- Appin West Pit Top, located on Douglas Park Drive. This is the primary access and egress point for personnel and materials into Appin Mine. Ventilation Shaft 6 (upcast) is located in Douglas Park and Ventilation Shafts 7 (downcast) and 8

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(upcast) (the AMVA Project) are located near Menangle¹. Douglas Park Substation is located on Moreton Park Road.

- Appin East Pit Top, located adjacent to Appin Village. This is a secondary access and egress point for personnel and materials into Appin Mine. Ventilation Shafts 1 (downcast), 2 (upcast) and 3 (downcast) are located in the vicinity.
- Appin North Pit Top, located off Wedderburn Road. This site is an alternative access and egress point for personnel and materials into Appin Mine.
- WCCPP, located on Wedderburn Road. This facility washes ROM coal extracted from the Appin underground mining operations, that is delivered by winder and conveyor or is transported from the Appin East Pit Top via truck along Appin and Wedderburn Roads. Ventilation Shaft 1 (downcast) is located at this site.
- CWEA, located at the Appin North site, that receives coal wash from the WCCPP and from the Dendrobium Coal Preparation Plant (DCPP) where alternative beneficial uses are not available.
- Surface gas drainage and other surface works.
- Underground mining areas (currently operating in Areas 7 and 9).
- North Cliff Pit Top (Shafts 1 and 2) and Bulli shafts 1, 2 and 3 (rehabilitation activities only).

Methane extracted from the underground workings is utilised to generate electricity at two power stations operated by Energy Developments Limited (EDL). One station is located at Appin West and the second station is located adjacent to Ventilation Shafts 1/2 in the vicinity of Appin East. The power stations operate under their own Environment Protection Licences (EPL).

The submission of strategies, plans or programs required under the Project Approval may be submitted on a progressive basis with the approval of the Planning Secretary.

1.4 Environmental Management System

IMC has a comprehensive Environmental Management System in place to minimise the impact of its operations on the local environment and community. The EMS is a component of the Environmental Management System which is certified to ISO 14001:2015.

1.5 Consultation

Consultation was undertaken as part of Version 1 review of the EMS with the Wollondilly Shire Council (WSC). The comments from the consultation process have been incorporated into this version of the EMS.

Appendix 3 outlines comments from the relevant government agencies following consultation and the IMC response.

Consultation with agencies as stated in Condition 1 of Schedule 6 will only be undertaken where there is a material change to environmental management at Appin Mine or if

¹ Construction commenced FY23 and is expected to be completed in FY25.

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specifically requested by DPE. Administrative or descriptive changes do not constitute a material change.

2. ROLES AND RESPONSIBILITIES

Roles and responsibilities associated with environmental management at Appin Mine are defined in the EMS.

Table 1 outlines the roles and responsibilities associated with the implementation and periodic review of the EMS.

Table 1: Roles and Responsibilities

Role	Responsibilities and Accountabilities	Authorities
Vice President Operations (IMC)/ Site General Manager	Provide operational resources to site personnel to effectively implement and maintain the EMS.	Make changes to the plant, stop or suspend operations as required to meet environmental obligations.
Superintendent Environment	Implement environmental management strategies, plans, programs and associated procedures in accordance with the requirements of this EMS and other external requirements. Provide leadership and support to the South32 IMC Environment Team to effectively implement and maintain the EMS.	Make recommendations to suspend operations as required to meet environmental obligations. Liaise with Government authorities regarding environmental matters on behalf of the operations. Implement any additional environmental controls as necessary to meet environmental obligations.
Specialist Environment	Implement environmental management strategies, plans, programs and associated procedures. Advise, coach and mentor IMC operational personnel with respect to meeting the standards and requirements of the EMS and associated management plans. Monitor and review compliance against these requirements. Undertake monitoring as required.	Liaise with operations personnel to implement corrective actions. Implement any additional environmental controls as necessary to meet environmental obligations.
Manager Approvals	Manage approval outcomes in mining and surface areas at a high standard that is consistent	Environmental Assessments, monitoring and reporting for mining areas, surface facilities and infrastructure.

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	with IMC requirements and approval conditions.	Approval applications for mining activities. Liaise with South32, Government and other stakeholders on approvals.
External Affairs Team	Develop strategies and consistent approaches to address community consultation and media issues. Implement the IMC Stakeholder Engagement Management Plan and Social Impact Management Plan. Provide access to information as required by approvals. Respond to and manage complaints.	Facilitate and implement consultation and communication strategies for all stakeholders including community and employees. Liaise with operations personnel to implement corrective actions in response to complaints
Superintendent Infrastructure Protection and Legacy Sites	Manage approval outcomes in mining and surface areas at a high standard that is consistent with IMC requirements and approval conditions.	Assessments, monitoring and management for infrastructure in mining areas. Report infrastructure impacts and management to Government.

3. LEGISLATION AND PLANNING

3.1 Project Approval Conditions

All activities carried out at Appin Mine will be in accordance with the conditions of the Project Approval, in accordance with any written directions of the Planning Secretary and generally in accordance with the Environmental Assessment (EA), Statement of Commitments and Preferred Project Report.

Appendix 1 outlines the environmental management requirements of the Project Approval and references where the requirements have been addressed within the EMS.

3.2 Environment Protection Licence Requirements

EPL 2504 applies to Appin Mine and associated activities. A copy of the licence can be accessed at the EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>.

3.3 Mining Leases

Appin Mine operates in accordance with the following mining leases:

- Consolidated Coal Lease (CCL) 724 and CCL 767, Coal Lease (CL) 381 and CL 388, Mining Leases (ML) 1382, 1433, 1574, 1678, 1698 and 1473 and Mining Purposes Lease (MPL) 200 and MPL 201

and in accordance with Schedule 8A Standard conditions of mining leases of the *Mining Regulation 2016*.

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3.4 **Environment Protection and Biodiversity Conservation Act Approvals**

The following *Environment Protection and Biodiversity Conservation (EPBC) Act* Approvals have been granted for Appin Mine:

- EPBC Approval 2010/5722 for the Appin No. 6 Ventilation Shaft; and
- EPBC Approval 2010/5350 for the BSO Project.

3.5 **Other Approvals**

Various approvals required under the mining lease associated with land use and environmental impacts. An Extraction Plan (EP)² must be prepared and approved by the Department of Planning and Environment (DPE) and be to the satisfaction of the Planning Secretary.

Updates to the list of approvals, licences, leases and/or permits are provided annually via the Annual Review which is made available on the South32 website.

Supplementary approvals are progressively obtained in accordance with the requirements of the conditions of existing mining tenements.

3.6 **Other Relevant Legislation**

Key regulatory and other obligations applicable to Appin Mine are managed via an online obligations management database. The obligations are allocated to responsible personnel. This process is detailed in the Environmental Compliance/Conformance Assessment and Reporting Procedure.

Acts and Regulations are applicable to mining operations within the approved Appin mining domains and the operations of Appin Mine. These may include, but are not limited to, the:

- *Contaminated Land Management Act, 1997;*
- *Environmental Planning and Assessment Act, 1979;*
- *Environment Protection and Biodiversity Conservation Act, 1999;*
- *Protection of the Environment Operations Act, 1997 (POEO Act);*
- *Protection of the Environment Operations (General) Regulation, 2021 (POEO Regulation);*
- *Protection of the Environment Operations (Waste) Regulation, 2014;*
- *Biodiversity Conservation Act, 2016;*
- *Heritage Act, 1977;*
- *Mining Act, 1992;*
- *Coal Mine Subsidence Compensation Act, 2017;*
- *National Parks and Wildlife Act, 1974;*

² A Subsidence Management Plan (SMP) that is substantially consistent with Condition 5 of Schedule 3 of the Appin Mine approval and which is approved by the Department of Resources and Energy (or equivalent Department) prior to 30 September 2012 is taken to satisfy the requirements of this condition.

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- *Biosecurity Act, 2015;*
- *Rail Safety National Law (NSW) No. 82;*
- *Dangerous Goods (Road and Rail Transport) Act, 2008;*
- *Roads Act, 1993;*
- *Water NSW Act, 2014;*
- *Crown Lands Management Act, 2016;*
- *Dams Safety Act, 2015;*
- *Energy and Utilities Administration Act, 1987;*
- *Fisheries Management Act, 1994;*
- *Waste Avoidance and Resource Recovery Act 2001;*
- *Water Act, 1912;*
- *Water Management Act, 2000;*
- *Work Health and Safety (Mines) Act, 2013;*
- *National Greenhouse and Energy Reporting Act, 2007; and*
- *Local Land Services Amendment Act, 2016.*

Relevant licences and approvals required under applicable Acts will be obtained as required.

3.7 Guidelines and Standards

This EMS has been developed to be consistent with the principles of the following:

- ISO 14001:2015 Environmental Management Systems;
- South32 Sustainability Policy; and
- South32 Environment Standard.

The South32 Environment Standard prescribes the mandatory requirements for management of land, biodiversity, water, air, greenhouse gases, hydrocarbons and waste to ensure environmental responsibilities aim to minimise impacts while contributing to enduring benefits to biodiversity, ecosystems and other environmental resources.

Other relevant guidelines include:

- Community Consultative Committee Guidelines: State Significant Projects (2019), published by DPE; and
- Guideline: Pollution Incident Response Management Plans (2022), published by the EPA.

4. ENVIRONMENTAL MANAGEMENT FRAMEWORK

Environmental management strategies, plans, and programs for Appin Mine have been developed to comply with legislative, corporate and ISO 14001 certification standards. These strategies, plans and programs are subject to regular auditing and review and are

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used to provide site personnel and management with specific environmental management guidelines relative to the operation with which they are involved.

An overview of the Environmental Management Framework relevant to Appin Mine is shown as Figure 1.

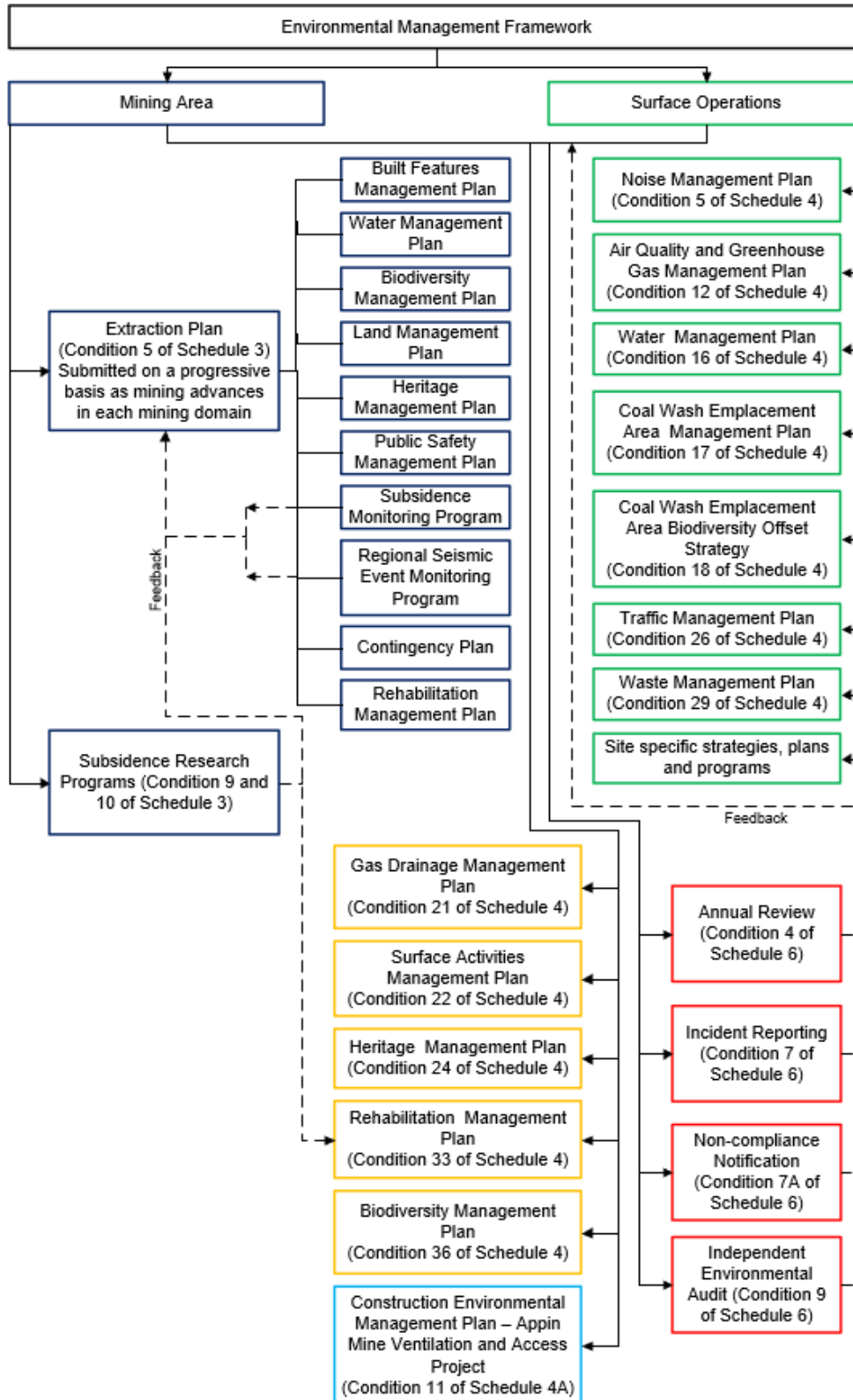


Figure 1: Environmental Management Framework

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Plans and monitoring programs identified in Figure 1 outline the environmental monitoring and management practices for the mining areas, surface facilities and extended site and other components under the Consent and EPL 2504.

A summary of monitoring undertaken under the management plans is provided in Appendix 2. Copies of the approved management plans are available on the South32 website, accessible via the following link: <https://www.south32.net/our-business/australia/illawarra-metallurgical-coal/documents>.

The Source-Pathway-Receptor model (adopted from the South32 Environment Standard as shown in Figure 2) will be utilised for the identification of relevant environmental hazards and risks, that will be detailed in the relevant management plan.

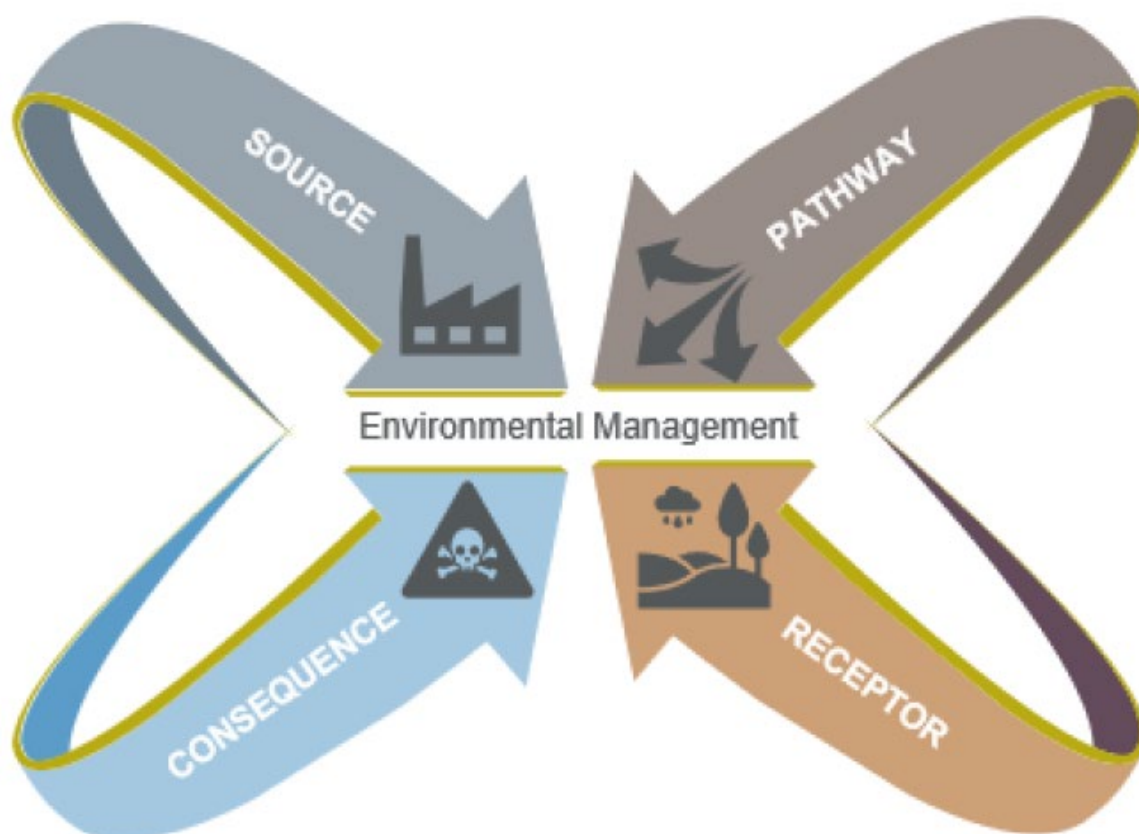


Figure 2: Source-Pathway-Receptor Model

All reasonable and feasible measures will be implemented to prevent and/or minimise harm to the environment from construction, operation or rehabilitation activities associated with Appin Mine.

Current and proposed monitoring locations under the conditions of the Consent and EPL 2504 for the Dendrobium surface and underground mining domains are provided in Plan 2, Plan 3, Plan 4, Plan 5 and Plan 6.

5. COMMUNICATION

5.1 Internal and External Communications

Internal and external communications are performed in accordance with the IMC Stakeholder Engagement Management Plan (SEMP). The plan is consistent with the

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relevant South32 corporate policies as well as ISO 14001 requirements. The plan identifies key stakeholders and appropriate communication and consultation processes.

Key regional stakeholders include:

- local communities in the vicinity of Appin Mine operations;
- local and state government agencies and authorities;
- employees and contractors;
- local and regional business groups;
- community groups;
- residents potentially impacted by Appin Mine operations;
- indigenous community – Illawarra Local Aboriginal Land Council, Tharawal Local Aboriginal Land Council and others;
- local schools and volunteer groups; and
- broader regional community.

Community information is provided through the following mechanisms:

- community information sheets and letter box drops;
- media releases and other media activities;
- direct engagement with community members including affected landholders;
- briefings with local government, business and community groups;
- bi-monthly meetings with regulatory and non-regulatory community groups;
- general community surveys and reports;
- Face2Face – a bi-monthly IMC publication for employees;
- start of shift briefings and toolbox talks – delivered to employees and contractors as required;
- IMC Community News – a quarterly publication distributed to the community;
- South32 internet site (<https://www.south32.net/our-business/australia/illawarra-metallurgical-coal/documents> and <https://community.s32illawarra.com.au>);
- Annual Review (Condition 4 of Schedule 6); and
- information days.

IMC coordinates the following stakeholder committees and working groups:

- Appin Mine Community Consultative Committee (ACCC);
- Community Partnerships Program (CPP); and
- Menangle Advisory Panel (MAP) (established for AMVA Project).

IMC's community consultation and communication is guided by the SEMP. The SEMP details the strategies used by South32 with regard to social and community management and stakeholder engagement in the areas in which IMC operates. IMC acknowledges that commitment to a systematic approach is required to achieve sound social performance and best practice community relations. Such a system provides consistency so that stakeholder

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engagement is addressed through the allocation of appropriate resources, assignment of responsibilities and ongoing evaluation of practices, procedures and processes.

To verify these mechanisms are working effectively and that stakeholder engagement strategies are meeting both IMC and stakeholder requirements, evaluation methods are also employed. Such evaluation is informed primarily by community and stakeholder surveys, but also community enquiries / feedback / complaints, community committees, information forums or other similar communications and engagement mechanisms.

Community Perception Surveys will be undertaken every three years to gauge the sentiment of the communities and key influential stakeholders and evaluate the effectiveness of the community consultation/communication strategies employed.

The effectiveness of engagement both through the ACCC and MAP and through community notification campaigns are reviewed at each ACCC/MAP meeting. Feedback is sought from members on their concerns, interests and on the quality of engagement at each meeting and the engagement strategy is adjusted according to feedback and on the basis of the operational activities being undertaken.

The effectiveness of communication strategies is also reviewed on an ongoing basis, particularly following the implementation of an engagement strategy. A lag indicator is the number of complaints received, in particular for project activities.

The SEMP is nominally reviewed every three years.

5.2 Appin Mine Community Consultative Committee

In accordance with Condition 6 of Schedule 6 of the Project Approval, IMC has established and operates the ACCC³. The ACCC is operated in accordance with the Community Consultative Committee Guideline for State Significant Projects (January 2019, or its latest version), and has been operating since September 2012. The Terms of Reference for the ACCC is available [here](#).

The ACCC provides a forum that enables regular two-way communication between IMC and the community/stakeholders, and promotes open discussion on IMC's Appin Mine operations. The basis of discussion includes information on mining operations, environmental performance of the mine, community relations activities, and issues/outcomes as they arise during mining activity. Topics discussed in the meeting generally reflect community concerns and interests at the time. Site visits are used to further increase the ACCC's collective knowledge of IMC's operations.

The ACCC nominally comprises 11 members including representatives of IMC, local councils, local community and other key stakeholders who have an interest in IMC's operations and the potential impacts of mining in the area. The committee is chaired by an independent chairperson, who is appointed by the Secretary of DPE. Formal meetings are generally held nominally every two months with additional site visits and extraordinary meetings as required.

³ Previously Illawarra Coal Community Consultative Committee (ICCC)

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5.3 Access to Information

In accordance with Condition 11 of Schedule 6 of the Project Approval, IMC makes the following documents publicly available on the South32 website:

- documents referred to in Condition 2 of Schedule 2 (EA, Statement of Commitments, PPR and the Project Approval);
- all current statutory approvals for the project;
- all approved strategies, plans and programs required under the conditions of this approval;
- a comprehensive summary of the monitoring results of the project;
- a complaint register, updated on a monthly basis;
- minutes of CCC meetings;
- the Annual Reviews of the project;
- any independent environmental audit of the project, and the IMC response to the recommendations in any audit; and
- any other matter required by the Secretary.

IMC is responsible for keeping the above information up to date, to the satisfaction of the Secretary. Where privacy of information is requested or required from external parties or considered commercial in confidence, the related strategies, plans and/or programs (or portions of these documents) will not be available to the public.

5.4 Community and Stakeholder Notification - AMVA Project

A Community and Stakeholder Engagement Strategy (CSES) was developed to outline the external stakeholder implications of executing the AMVA Project, and to guide activities associated with the stakeholder engagement and management during the key stages of the Project. These stages are outlined in Table 2.

Table 2: Stakeholder Engagement - AMVA Project

Project phase	Project/approval milestone	Key details to community
Preliminary phase 1	Notification to DPE	Conceptual design.
Preliminary phase 2	Prefeasibility – feasibility (internal)	Project design confirmed.
Government approvals	Modification Report prepared and submitted to DPE Submissions Report issued Approval granted	Public exhibition of Modification Report. Informing responses to submissions. Approval granted.
Construction	Ventilation shaft sinking commences	Construction timeline, impacts etc.
Operation	Ventilation shaft complete and operational	Ongoing engagement as needed.

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This CSES outlines:

- Project Description.
- Level of consultation to be undertaken.
- Key stakeholders.
- Potential issues, risks and mitigation activities.
- Potential consultation and communication activities to ensure effective, relevant and timely input from stakeholders and the community.

The CSES provides an overview of the above key points and is not intended to define or restrict specific engagement activities. Rather, is an iterative document that will be updated as the AMVA Project progresses. The engagement plan outlined in the CSES will be implemented during the construction and operational phases of the Project.

Information distributed to the community and other stakeholders will detail pertinent construction information (e.g. progress, traffic disruptions and controls, out of hours works etc.) and continue in a similar capacity during operations. Information will be provided through a range of channels which include:

- Quarterly community newsletters, letterbox drops, open days and group tours.
- ACCC.
- MAP.
- CPP.
- Content repository on the IMC website.

The MAP nominally meets quarterly. The effectiveness of engagement both through the MAP and through community notification campaigns are reviewed at each MAP meeting. Feedback is sought from members on their concerns, interests and on the quality of engagement at each meeting and the engagement strategy is adjusted according to feedback and on the basis of the operational activities being undertaken.

IMC accommodate other requests for technical information and project updates based on the interests and concerns of members.

Complaints associated with the AMVA Project will be managed as detailed in Section 5.5.

5.5 Complaints and Dispute Resolution

IMC has a 24 hour, free call community hotline number (1800 102 210) and email address (illawarracommunity@south32.net) through which all complaints and general enquiries regarding environmental or community issues associated with IMC's operations can be reported.

All complaints and enquiries received in relation to Appin Mine will be managed in accordance with the Handling Community Complaints, Enquiries and Disputes Procedure.

Upon receipt of a community complaint, preliminary investigations will commence as soon as practicable to determine the likely cause of the complaint. An initial response will be provided to the complainant within 24 hours of the complaint being made, with a follow up

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response being provided as soon as practicable once a more detailed investigation is complete.

A summary of all complaints received during the reporting year is provided as part of the Annual Review. A log of complaints is also maintained on the South32 website at:

<https://www.south32.net/our-business/australia/illawarra-metallurgical-coal/documents>.

In the event that an issue cannot be resolved between the IMC representative and complainant, the issue is escalated within IMC. The escalation of the issue is aligned with the risk associated with the nature of the complaint.

In the event that the matter remains unresolved, it may be appropriate that the matter be taken to third-party mediation (e.g. Subsidence Advisory NSW, DPE, EPA or other relevant agencies) in order to achieve an outcome.

6. EVENTS, NON-COMPLIANCE, CORRECTIVE ACTION AND PREVENTATIVE ACTION

Events, non-compliances, corrective actions, and preventative actions are managed in accordance with the Reporting and Investigation Standard and Environmental Compliance/Conformance Assessment and Reporting Procedure. These procedures, which relate to all IMC operations, detail the processes to be utilised with respect to event reporting and identification of non-conformances, the application of appropriate corrective action(s) to address non-conformances and the establishment of preventative actions to avoid non-conformances.

The key elements of the process include:

- identification of events, non-conformances and/or non-compliances;
- recording of event, non-conformance and/or non-compliance in G360;
- evaluation/investigation of the event, non-conformance and/or non-compliance to determine specific corrective and preventative actions;
- corrective and preventative actions to be assigned to responsible persons and entered into G360; and
- management review of corrective actions to ensure the status and effectiveness of the actions.

Incidents, exceedances and non-compliances with air quality criteria will be reported to all relevant stakeholders as detailed in Section 8.

7. RISK MANAGEMENT

An Aspects and Impacts Register has been developed that is reviewed on at least an annual basis. The Aspects and Impacts Register details the processes and activities undertaken at Appin Mine and the aspects associated with these activities, including the causes, impacts and controls (both mitigating and preventative).

Examples of aspects included in the Aspects and Impacts Register are provided in Table 3.

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Table 3: Aspect Groups and Aspects

Aspect Group	Aspects
Hazardous materials management	Spills
Noise management	Noise emissions
Water management	Water availability Water use Aquifer interference Discharge of contaminants Licencing
Waste management	Incorrect disposal Incorrect treatment Loss of containment
Lighting	Light nuisance
Community	Community outrage
Land management	Damage to infrastructure Failure of rehabilitation Land movement Weed invasion/spread Unauthorised clearing
Greenhouse gas management	Greenhouse gas emissions
Dust management	Dust emissions

More detail is included in the relevant management plan on how these aspects are managed.

Controls are identified in accordance with the hierarchy of controls. The controls available, ranked from the highest level of protection and reliability, include:

- Elimination.
- Substitution.
- Engineering.
- Administrative.

Risks are documented, maintained and managed in G360.

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8. EMERGENCY RESPONSE

The Emergency Response Control Plans for Appin Mine and the WCCPP detail the actions required during an emergency and, in particular, in the early stages of an emergency. They also define the organisational structure during an emergency and the duties to be carried out by members of the Incident Management and Incident Support Teams.

The key emergency response document for Appin Mine in relation to environmental incidents is the Pollution Incident Response Management Plan (PIRMP) for EPL 2504.

The PIRMP has been prepared in accordance with Part 5.7A Section 153A of the *POEO Act* and Part 3A Section 98C of the *POEO Regulation*.

The objectives of the PIRMP (as per the EPA's Environmental Guidelines for the preparation of pollution incident response management plans dated 2012) are to:

- minimise the risk of a pollution incident occurring as a result of licensed activities, by identifying risks and the actions proposed to minimise and manage those risks;
- have established clear and effective notification, action and communication procedures to ensure the right people are notified, warned and quickly provided with updates and information they may need to act appropriately, including people who may need to be involved in incident responses – including staff at the premises; the EPA; and other relevant authorities (such as Fire and Rescue NSW, NSW Health and local councils) and industrial, commercial and residential neighbours and other members of the community; and
- have appropriately trained staff and up-to-date incident management information available to ensure the potential impact of a pollution incident is minimised.

The PIRMP is tested at least once every 12 months to verify that the information contained within the plan is accurate and up to date, and that the plan is capable of being implemented in a workable and effective manner.

9. REPORTING AND REVIEW

9.1 Reporting

9.1.1 Annual Review

IMC will report on the environmental performance of Appin Mine in the Annual Review.

The Annual Review is prepared in accordance with the requirement of Condition 4 of Schedule 6 of the Project Approval and is submitted to relevant agencies in September each year. Annual Reviews are made publicly available via the South32 website.

9.1.2 Annual Return

Environmental performance of Appin Mine operations under Condition R1 of EPL 2504 is reported through the Annual Return required under EPL 2504.

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9.1.3 Other Reporting

Other reporting required under various licences, approvals, legislation and South32 standards is documented in the Environmental Compliance/Conformance Assessment and Reporting Procedure. This includes but is not limited to:

- 14-day Report.
- Annual Statement of Compliance.
- Annual Rehabilitation Report.
- Biobanking Site Annual Reports.
- EPBC Compliance Report.
- Annual Coal Wash Emplacement Area Monitoring Report.
- Ventilation Shaft 6 Offset Annual Monitoring Report.
- Annual *Persoonia hirsuta* Condition Monitoring Report.
- Georges River Aquatic Health Monitoring Report.
- Internal Sustainability Report.
- National Greenhouse and Energy Report.
- National Pollutant Inventory.
- Sewage Treatment Plant Reports.

9.2 Incident, Non-compliance and Exceedance Notifications

9.2.1 Notification of Incidents – Government Agencies

In accordance with Condition 7 of Schedule 6 of the Project Approval, the Planning Secretary is to be notified in writing via the Major Projects website immediately after becoming aware of an incident⁴. Reports are to be provided in accordance with the requirements set out in Appendix 7. Notification to the EPA will also be undertaken in accordance with the reporting requirements of the Pollution Incident Response Management Plan (if applicable) or via email/phone.

9.2.2 Notification of Non-compliances – Government Agencies

In accordance with Condition 7A of Schedule 6 of the Project Approval, the Planning Secretary must be notified in writing via the Major Projects website within seven (7) days after becoming aware of a non-compliance⁵.

The EPA is also to be notified of the non-compliance (via email).

⁴ The definition of an incident in the Project Approval is “A set of circumstances that causes or threatens to cause material harm to the environment; and/or breaches or exceeds the limits or performance measures/criteria in this approval”

⁵ A non-compliance that has been notified as an incident does not need to also be notified as a non-compliance.

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9.2.3 Notification of Criteria Exceedances – Landowners

In accordance with Condition 1 of Schedule 5 of the Project Approval, where an exceedance of criteria (in Schedule 4) due to operational activities has been confirmed, the affected landowners will be notified in writing of the exceedance as soon as practicable and no longer than seven (7) days following confirmation of the exceedance. Notifications of exceedances is to be undertaken prior to inclusion in the 14-day report.

Regular monitoring results will be provided to each affected landowner until compliance with criteria is achieved. In addition, a copy of the NSW Health fact sheet entitled “Mine Dust and You” is to be provided to the affected landowners and/or existing tenants of the land (if the exceedance related to air quality impact criteria).

Additional targeted monitoring and analysis at the affected landowners’ premises may be required to verify exceedances of criteria attributable to Appin Mine.⁶

The CCC and MAP will also be advised of exceedances of criteria at the next available meeting.

9.3 Revision of Strategies, Plans and Programs

In accordance with Condition 5 of Schedule 6 of the Project Approval, strategies, plans and programs required under the approval⁷ will be reviewed, and if necessary revised, within three months, of:

- the submission of an Annual Review;
- the submission of an incident report;
- the submission of an Independent Environmental Audit (IEA) report; and
- any modification to the conditions of the Project Approval (unless the conditions require otherwise), or
- a direction of the Planning Secretary under Condition 4 of Schedule 2.

Outcomes from each review will be documented in the Management Plan Review Log (unless the EMS is being updated as part of the review). Documents required under the approval will only be resubmitted to DPE for approval where a material change to site operations or environmental management has occurred, or in accordance with the review period on the respective document. Administrative or descriptive changes do not constitute a material change.

Consultation with relevant external stakeholders will be undertaken in accordance with the relevant condition of the Project Approval. Details of feedback provided and consultation required are included the respective management plan.

Where a review triggers a revision of the EMS, the EMS will be revised and submitted to the Planning Secretary for approval. Once approved, the EMS will be uploaded to the IMC website.

⁶ Refer to specific management plans for monitoring programs.

⁷ This does not include documents submitted under an Extraction Plan, unless the Extraction Plan is modified, and a review of documents included in the Extraction Plan is requested by the Secretary.

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The approved EMS will be implemented.

9.4 Audits

9.4.1 Independent Environmental Audit

In accordance with Condition 9 of Schedule 6 of the Project Approval, an IEA shall be commissioned every three years, that will include a review of the strategies, plans and programs required under the approval. The report, together with the response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations, is required to be submitted to the Secretary within six weeks of completion of the audit, in accordance with Condition 10 of Schedule 6.

IEAs have been conducted in 2013, 2016/17 and 2019, with the next IEA to be conducted in 2022. Recommendations from the IEA will be incorporated into the relevant documents where appropriate.

9.4.2 ISO 14001

As part of the ISO 14001 certification, IMC maintains an environmental auditing and governance program across all of its operational sites. The program, which includes the use of competent internal and accredited external auditors, is an integral part of maintaining certification under the ISO 14001 standard.

A Governance Review process is in place which targets the environmental management system across the operational sites. The process has been designed to ensure IMC meets process and monitoring requirements as per the approved management plans and/or EPLs and identifies emerging trends in data to allow adaptive management processes to be enacted to minimise possibility of a non-compliance. The frequency of Governance Reviews is determined based on risk.

A summary of the audit and governance program, directly relevant to the environmental management at Appin Mine, is provided in Table 3.

Table 4: Audit Program - Appin Mine

PROCESS AUDIT TYPE	FREQUENCY
Internal (Environmental) – Management Plan Governance Checks	Minimum three yearly. Risk based approach in accordance with the Aspects and Impacts Register or non-compliance issues.
Internal (Environmental) - EPL Monitoring data trend and compliance check	Monthly
External (Environmental) – ISO 14001 Surveillance	Every 12 months
External (Environmental) – ISO 14001 Recertification	Every three years
External (Environmental) – IEA under Project Approval	Every three years

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10. SUMMARY OF COMMITMENTS

Commitment	Section in EMS
IMC will provide personnel and resources to implement the EMS.	Section 2
IMC will comply with the conditions of the Project Approval and relevant legislation.	Section 3
IMC will maintain internal and external communication channels.	Section 5
IMC will report and investigate complaints, incidents and exceedances of limits as required, and identify and implement corrective actions.	Section 9.2
IMC will respond to emergencies in accordance with relevant plans.	Section 8
IMC will undertake reporting as required.	Section 9
IMC will review the EMS as required.	Section 9.3
IMC will undertake audits as required.	Section 9.4

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11. ACRONYMS

Term	Definition
AMVA Project	Appin Mine Ventilation and Access Project
BSO	Bulli Seam Operations
CCC	Community Consultative Committee
CCL	Consolidated Coal Lease
CL	Coal Lease
CWEA	Coal Wash Emplacement Area
DCPP	Dendrobium Coal Preparation Plant
DoPI	Department of Planning and Infrastructure
DPAP	Douglas Park Advisory Panel
DPIE	Department of Planning, Industry and Environment
EA	Environmental Assessment
EDL	Energy Developments Limited
EMS	Environmental Management Strategy
EP	Extraction Plan
EPA	Environment Protection Authority
EP&A Act	Environmental Planning and Assessment Act
EPBC	Environmental Protection and Biodiversity Conservation
EPL	Environment Protection Licence
G360	IMC event reporting system
ICHPL	Illawarra Coal Holdings Pty Ltd
IMC	Illawarra Metallurgical Coal
km	kilometre
ML	Mining Lease
MPL	Mining Purposes Lease

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PIRMP	Pollution Incident Response Management Plan
PKCT	Port Kembla Coal Terminal
POEO	Protection of the Environment Operations
PPR	Preferred Project Report
WCCPP	West Cliff Coal Preparation Plant



12. REFERENCES

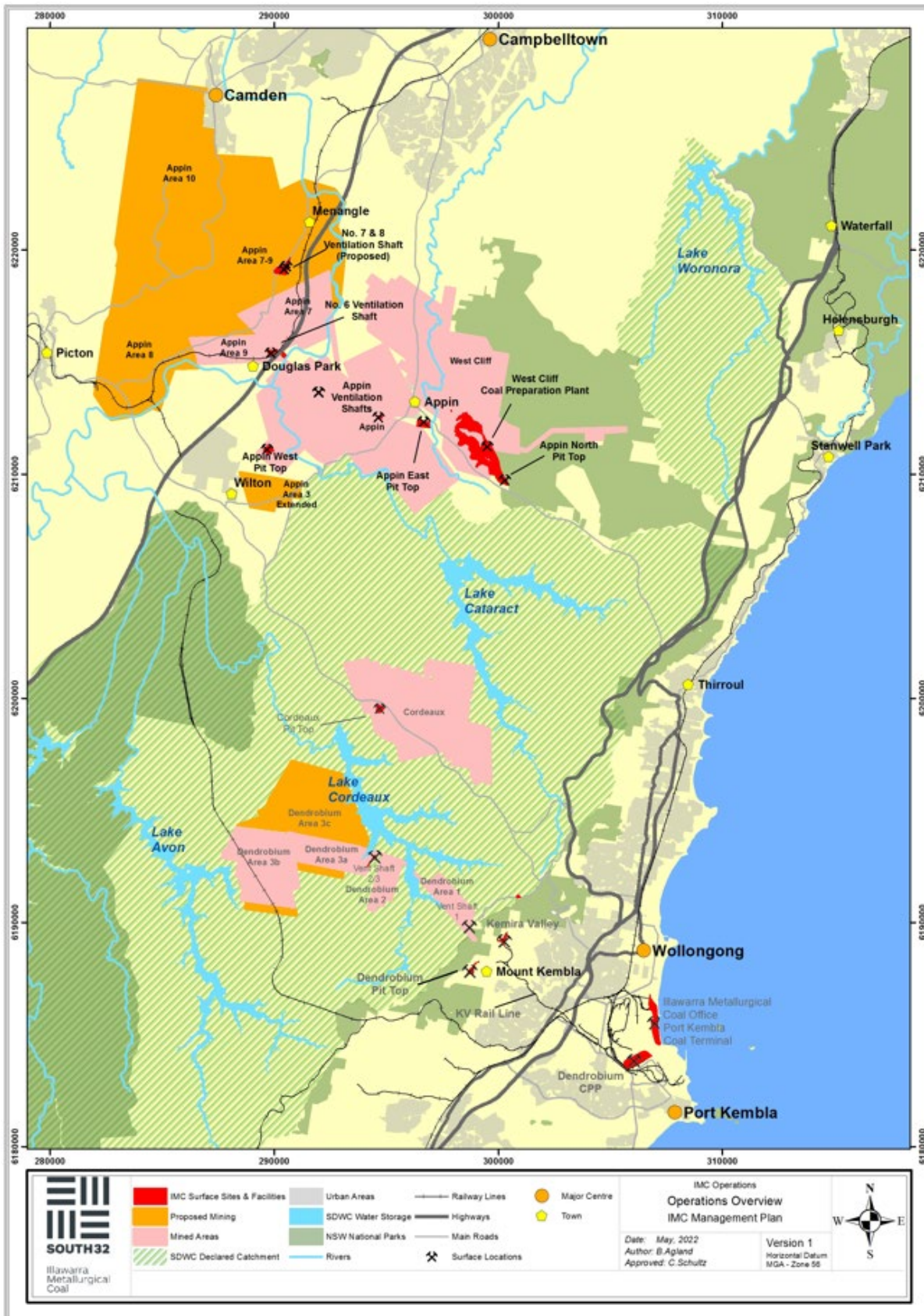
- BSO Project Approval (08_0150), as modified
- BSO Project Environmental Assessment 2009
- AMVA Modification Report ([link](#))
- Handling Community Complaints, Enquiries and Disputes Procedure (IMCP0112)
- Environmental Compliance/Conformance Assessment and Reporting Procedure (IMCP0186)
- ISO 14001:2015 Environmental Management Systems Standard
- Reporting and Investigation Standard (IMCSTD0069)
- Emergency Response Control Plan – Appin Mine (APNMP0005)
- Emergency Response Control Plan – West Cliff Coal Preparation Plant (WCPMP0009)
- Noise Management Plan (APNMP0113)
- Air Quality and Greenhouse Gas Management Plan (APNMP0112)
- Water Management Plan (APNMP0110)
- Coal Wash Emplacement Area Management Plan (WCPMP0019)
- Coal Wash Emplacement Area Biodiversity Offset Strategy
- Traffic Management Plan (APNMP0128)
- Waste Management Plan (APNMP0110)
- Gas Drainage Management Plan (APNMP0114)
- Surface Activities Management Plan (APNMP0129)
- Heritage Management Plan (APNMP0119)
- Aboriginal Cultural Heritage Management Plan - AMVA Project (APNMP0216)
- Rehabilitation Management Plan (APNMP0127)
- Biodiversity Management Plan (APNMP0115)
- Ventilation Shaft 6 Biodiversity Offset Strategy (APNMP0109)
- *Persoonia hirsuta* Offset Management Strategy (APNMP0122)
- Extraction Plan LW 901 – 904
- Subsidence Management Plan LW 705 – 710
- Pollution Incident Response Management Plan – EPL 2504 (APNMP0124)
- Stakeholder Engagement Management Plan (IMCMP0016)
- AMVA Project Construction Environmental Management Plan (CEMP) – Early Works (APNMP0130)
- AMVA Project CEMP – Construction (under development)

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13. PLANS

Plan 1: Appin Mine Locality Plan

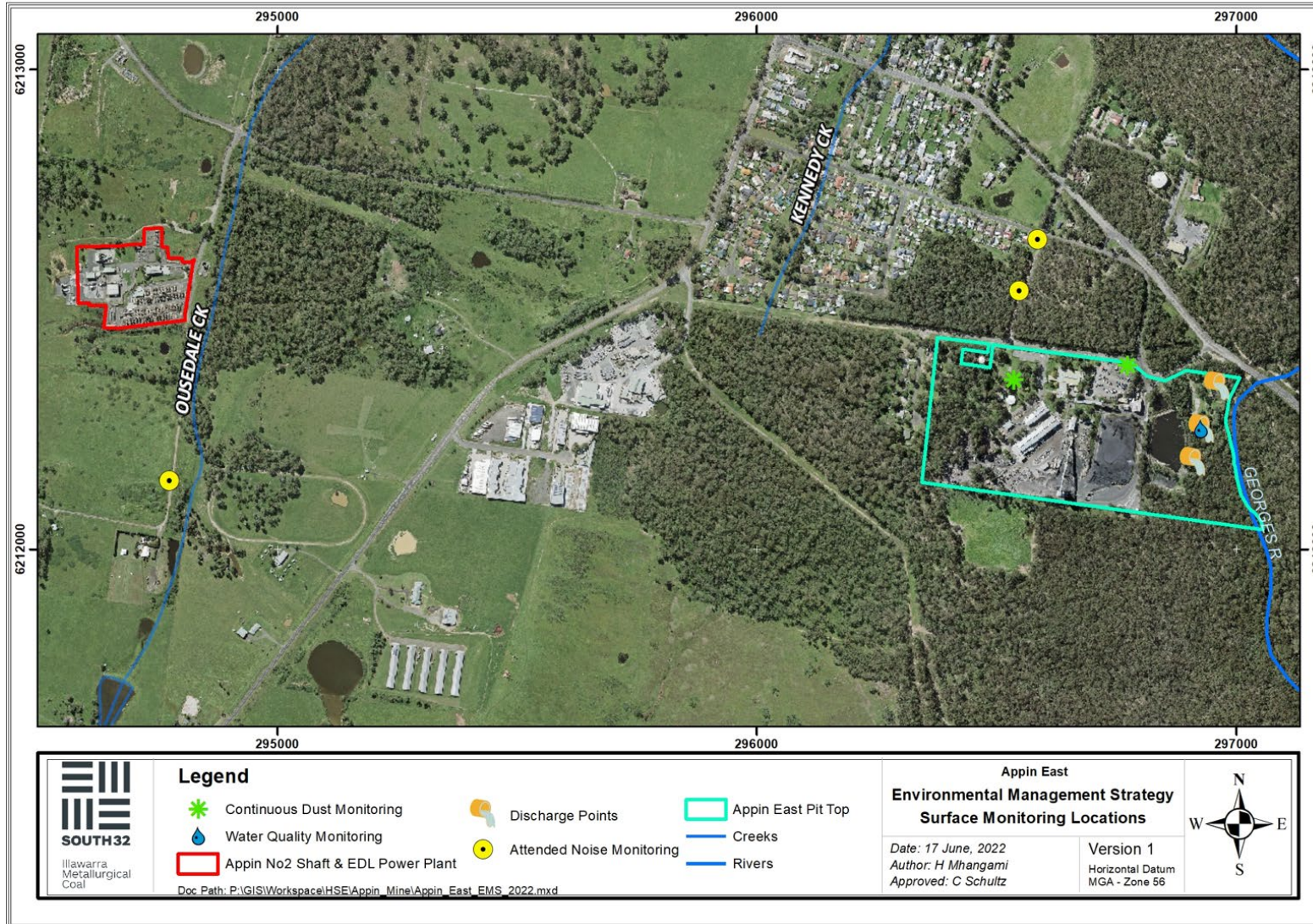


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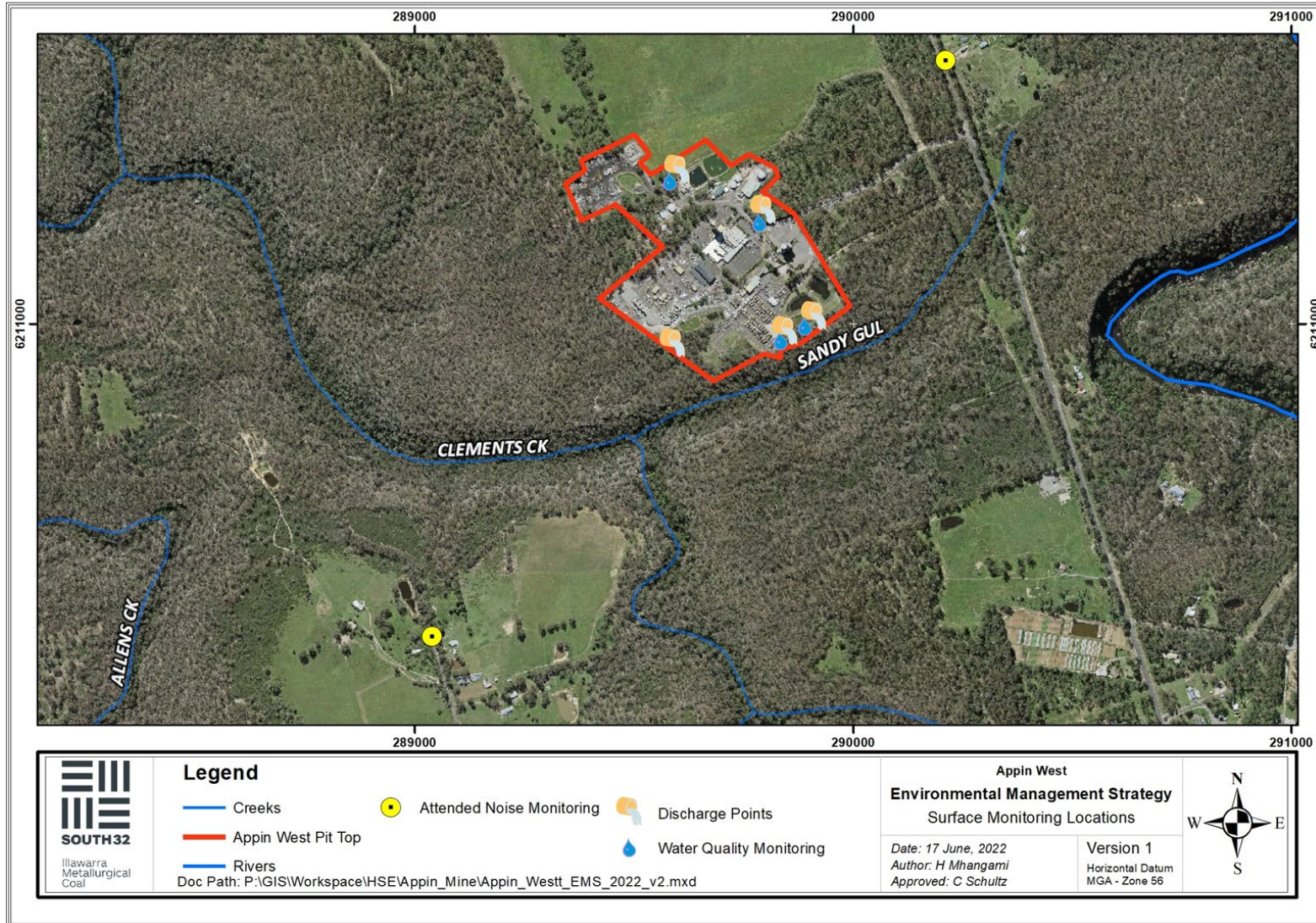
Plan 2: Appin Mine Surface Monitoring Locations – Appin East



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Plan 3: Appin Mine Surface Monitoring Locations – Appin West

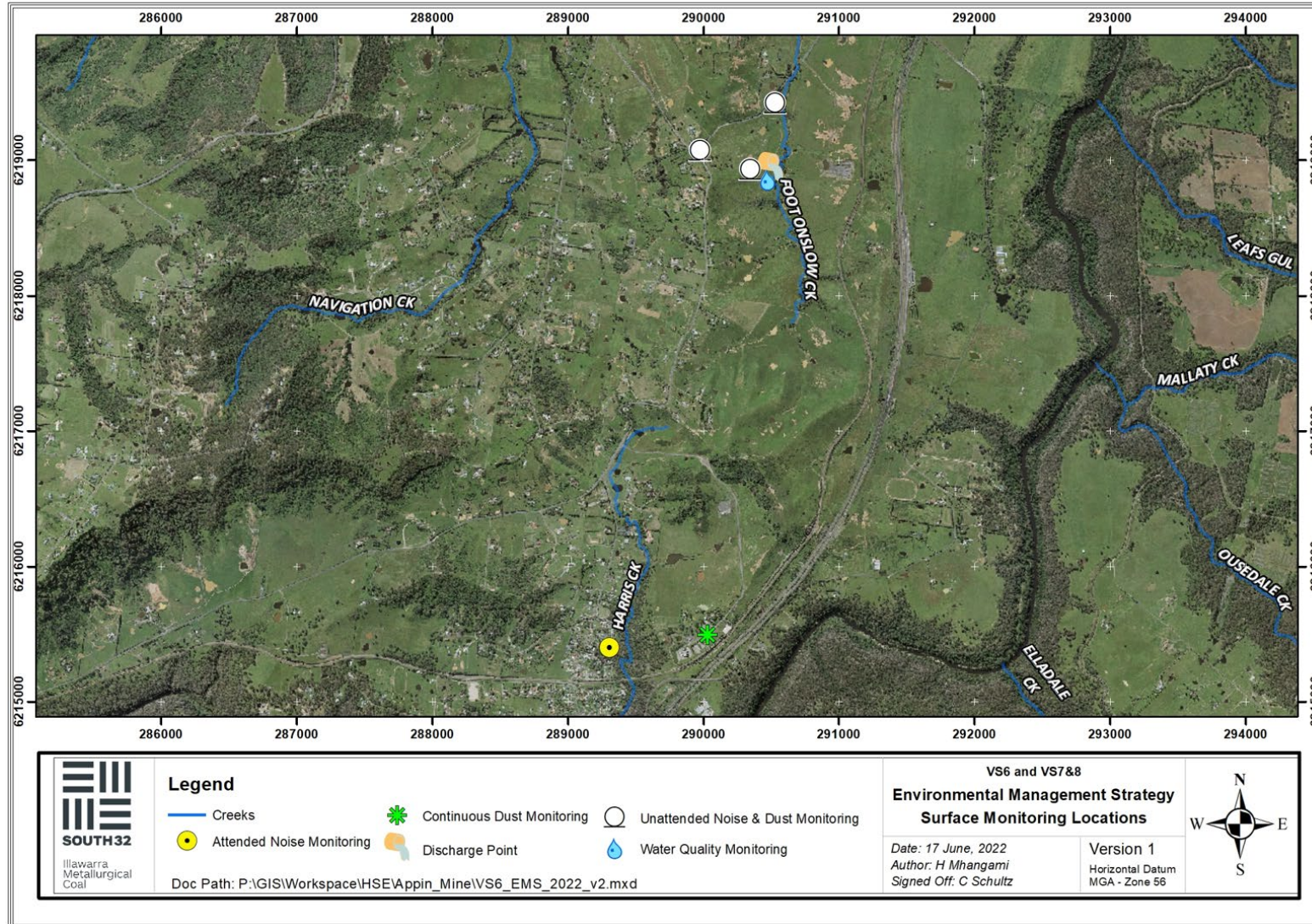


<p>SOUTH32 Illawarra Metallurgical Coal</p>	<p>Legend</p> <ul style="list-style-type: none"> — Creeks — Appin West Pit Top — Rivers ● Attended Noise Monitoring ● Water Quality Monitoring Discharge Points <p>Doc Path: P:\GIS\Workspace\HSE\Appin_Mine\Appin_West_EMS_2022_v2.mxd</p>	<p>Appin West Environmental Management Strategy Surface Monitoring Locations</p>		
		<p>Date: 17 June, 2022 Author: H Mhangami Approved: C Schultz</p>	<p>Version 1 Horizontal Datum MGA - Zone 56</p>	

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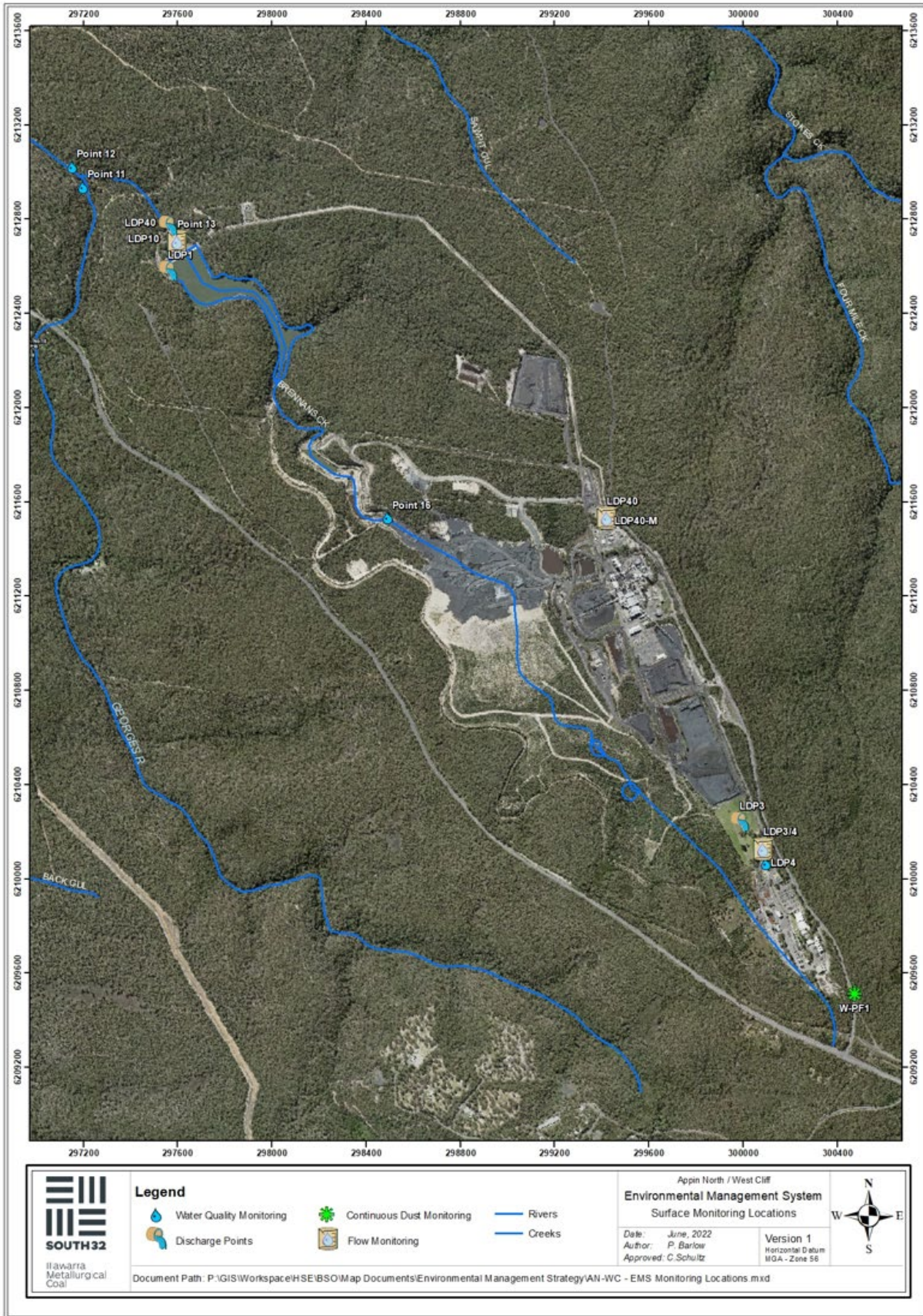
Plan 4: Appin Mine Surface Monitoring Locations – Ventilation Shaft 6, 7 and 8



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Plan 5: Appin Mine Surface Monitoring Locations – Appin North

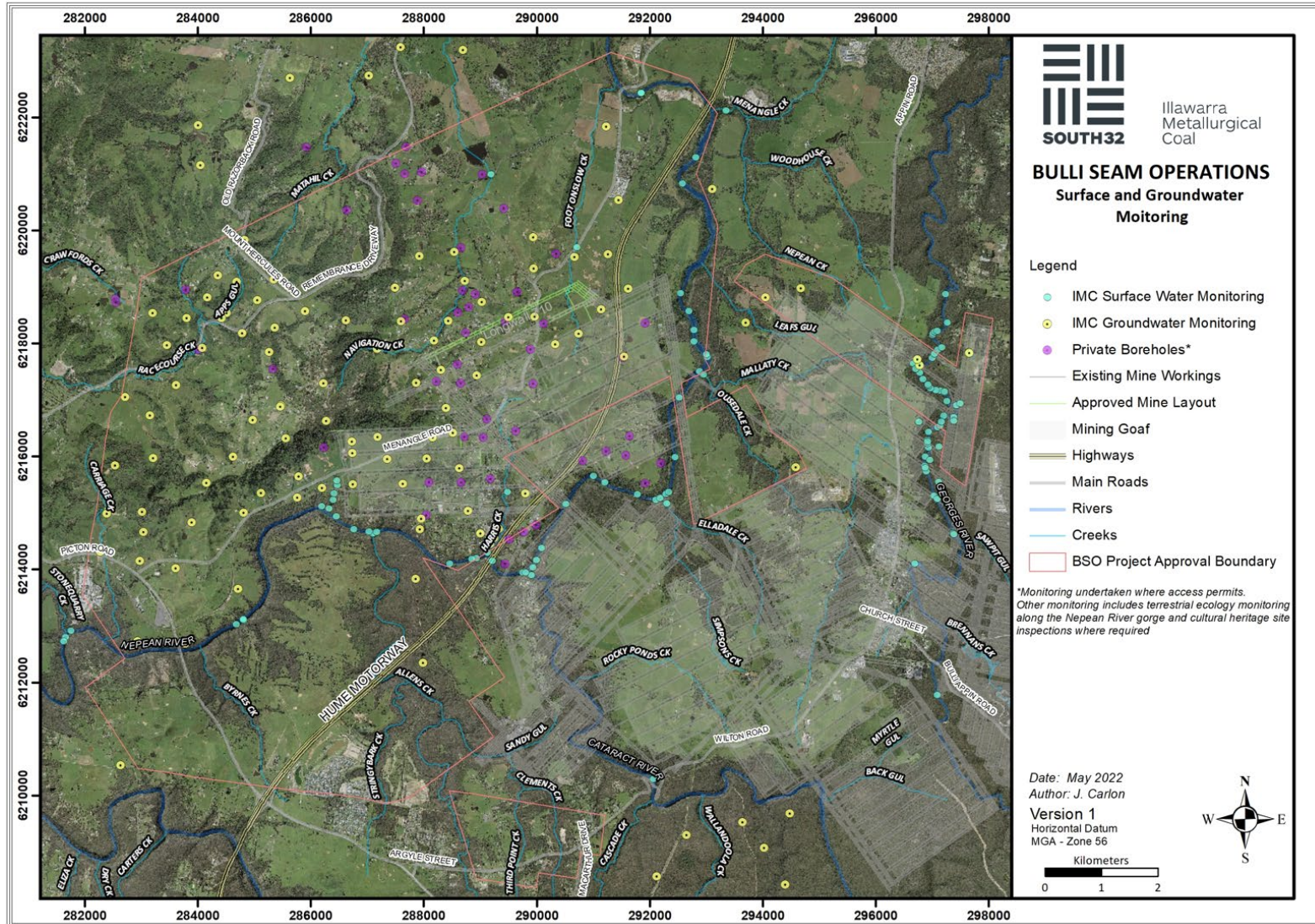


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Plan 6: Appin Mine Surface Monitoring Locations – Regional



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14. APPENDICES

Appendix 1: Project Approval Conditions: EMS

Condition	Requirement	Section
Condition 1 of Schedule 2	<p>Obligation to minimise harm to the environment</p> <p>In addition to meeting the specific performance criteria established under this approval, the Proponent shall implement all reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the construction, operation, or rehabilitation of the project.</p>	Section 4
Condition 2 of Schedule 2	<p>Terms of Approval</p> <p>The Proponent must carry out the project:</p> <p>(a) generally in accordance with the EA, Statement of Commitments and PPR;</p> <p>(b) in accordance with the conditions of this approval; and</p> <p>(c) in accordance with any written directions of the Planning Secretary.</p>	Section 3.1
Condition 4 of Schedule 2	<p>Consistent with the requirements of this approval, the Planning Secretary may make written directions to the Proponent in relation to:</p> <p>(a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this approval, including those that are required to be, and have been, approved by the Planning Secretary; and</p> <p>(b) the implementation of any actions or measures contained in any such document referred to in condition 4(a).</p>	Section 3.1
Condition 13 of Schedule 2	<p>Staged Submission of Strategies, Plans or Programs</p> <p>With the approval of the Planning Secretary, the Proponent may submit any strategies, plans or programs required by this approval on a progressive basis.</p> <p><i>Notes:</i></p> <ul style="list-style-type: none"> • <i>While any strategy, plan or program may be submitted on a progressive basis, the Proponent will need to ensure that the existing operations on site are covered by suitable strategies, plans or programs at all times; and</i> • <i>If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the</i> 	Section 1.3

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	<i>relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program.</i>	
Condition 1 of Schedule 6	Environmental Management Strategy The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Planning Secretary. This strategy must:	This document
	a) be prepared in consultation with WSC and be submitted to the Planning Secretary for approval;	Section 1.5
	b) provide the strategic framework for environmental management of the project;	Section 4
	c) identify the statutory approvals that apply to the project;	Section 3
	d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;	Section 2
	e) describe the procedures that would be implemented to: <ul style="list-style-type: none"> • keep the local community and relevant agencies informed about the operation and environmental performance of the project, including a specific community and stakeholder notification and engagement strategy during the construction and operation of the Appin Mine Ventilation and Access Site; • receive, handle, respond to, and record complaints; • resolve any disputes that may arise during the course of the project; • respond to any non-compliance; • respond to emergencies; and 	Section 5 Section 5.4 Section 5.5 Section 6 Section 8
	f) include: <ul style="list-style-type: none"> • references to all relevant strategies, plans and programs approved under the conditions of the Project Approval; and • a clear plan depicting all the monitoring required to be carried out under the conditions of this approval. 	Section 12 Section 13 Appendix 2
	Condition 4 of Schedule 6	Annual Review By 30 September 2012, and annually thereafter, the Proponent shall review the environmental performance of the project to the satisfaction of the Planning Secretary. This review must:



	<p>(a) describe the development (including any rehabilitation) that was carried out in the past financial year, and the development that is proposed to be carried out over the next year;</p> <p>(b) include a comprehensive review of the monitoring results and complaints records of the project over the past financial year, which includes a comparison of these results against the:</p> <ul style="list-style-type: none"> • relevant statutory requirements, limits or performance measures/criteria; • requirements of any plan or program required under this approval; • monitoring results of previous years; and • relevant predictions in the EA; <p>(c) identify any non-compliance over the past financial year, and describe what actions were (or are being) taken to ensure compliance;</p> <p>(d) identify any trends in the monitoring data over the life of the project;</p> <p>(e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and</p> <p>(f) describe what measures will be implemented over the current financial year to improve the environmental performance of the project.</p>	
<p>Condition 5 of Schedule 6</p>	<p>Revision of Strategies, Plans and Programs</p> <p>Within 3 months of:</p> <p>(a) the submission of an annual review under Condition 4 above;</p> <p>(b) the submission of an incident report under Condition 7 below;</p> <p>(c) the submission of an audit report under Condition 9 below; and</p> <p>(d) any modification to the conditions of this approval, (unless the conditions require otherwise); or</p> <p>(e) a direction of the Planning Secretary under Condition 4 of Schedule 2; the Proponent shall review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Planning Secretary.</p> <p><i>Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.</i></p>	<p>Section 9.3</p>
<p>Condition 7 of Schedule 6</p>	<p>Incident Notification, Reporting and Response</p> <p>The Planning Secretary must be notified in writing via the Major Projects website immediately after the Proponent becomes aware of an incident. The notification must identify the project (including the development application number and the name of the development if it has one) and set out the location and nature of the incident. Subsequent notification requirements must be given, and reports submitted in accordance with the requirements set out in Appendix 7.</p>	<p>Section 9.2</p>



<p>Condition 7A of Schedule 6</p>	<p>Non-Compliance Notification</p> <p>The Secretary must be notified in writing via the Major Projects website within seven days after the Proponent becomes aware of any non-compliance. A non-compliance notification must identify the project and the application number for it, set out the condition of approval that the project is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.</p> <p>Note: A non-compliance which has been notified as an incident does not need to also be notified as a noncompliance</p>	<p>Section 9.2</p>
<p>Condition 8 of Schedule 6</p>	<p>Regular Reporting</p> <p>The Proponent shall provide regular reporting on the environmental performance of the project on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this approval.</p>	<p>Section 9.1</p>
<p>Condition 9 of Schedule 6</p>	<p>Independent Environmental Audit</p> <p>By the end of December 2013, and every 3 years thereafter, unless the Planning Secretary directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. This audit must: (a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Planning Secretary; (b) include consultation with the relevant agencies; (c) assess the environmental performance of the project and assess whether it is complying with the requirements in this approval and any relevant EPL or Mining Lease (including any assessment, plan or program required under these approvals); (d) review the adequacy of strategies, plans or programs required under the abovementioned approvals; and (e) recommend appropriate measures or actions to improve the environmental performance of the project, and/or any assessment, plan or program required under the abovementioned approvals. Note: This audit team must be led by a suitably qualified auditor and include experts in any field specified by the Planning Secretary.</p>	<p>Section 9.4.1</p>
<p>Condition 10 of Schedule 6</p>	<p>Within 6 weeks of the completion of this audit, or as otherwise agreed by the Planning Secretary, the Proponent shall submit a copy of the audit report to the Planning Secretary, together with its response to any recommendations contained in the audit report.</p>	<p>Section 9.4.1</p>
<p>Condition 11 of Schedule 6</p>	<p>Access to Information</p> <p>From 30 June 2012, the Proponent shall:</p>	<p>Section 5.3</p>



	<p>(a) make copies of the following publicly available on its website:</p> <ul style="list-style-type: none"> • the documents referred to in Condition 2 of Schedule 2; • all current statutory approvals for the project; • all approved strategies, plans and programs required under the conditions of this approval; • a comprehensive summary of the monitoring results of the project, reported in accordance with the specifications in any conditions of this approval, or any approved plans and programs; • a complaints register, updated on a monthly basis; • minutes of CCC meetings; • the annual reviews of the project; • any independent environmental audit of the project, and the Proponent’s response to the recommendations in any audit; • any other matter required by the Planning Secretary; and <p>(b) keep this information up-to-date, to the satisfaction of the Planning Secretary.</p>	
Appendix 7 Condition 1	<p>Written Incident Notification Requirements</p> <p>A written incident notification addressing the requirements set out below must be submitted to the Planning Secretary via the Major Projects website within seven days after the Proponent becomes aware of an incident.</p>	Section 9.2
Appendix 7 Condition 2	<p>Written notification of an incident must:</p> <p>(a) identify the project and application number;</p> <p>(b) provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident);</p> <p>(c) identify how the incident was detected;</p> <p>(d) identify when the Proponent became aware of the incident;</p> <p>(e) identify any actual or potential non-compliance with conditions of approval;</p> <p>(f) describe what immediate steps were taken in relation to the incident;</p> <p>(g) identify further action(s) that will be taken in relation to the incident; and</p> <p>(h) identify a project contact for further communication regarding the incident.</p>	Section 9.2
Appendix 7 Condition 3	<p>Within 30 days of the date on which the incident occurred or as otherwise agreed to by the Planning Secretary, the Proponent must provide the Planning Secretary and any relevant public authorities (as determined by the Planning Secretary) with a detailed report on the incident addressing all requirements below, and such further reports as may be requested.</p>	Section 9.2
Appendix 7 Condition 4	<p>The Incident Report must include:</p> <p>(a) a summary of the incident;</p> <p>(b) outcomes of an incident investigation, including identification of the cause of the incident;</p>	Section 9.2



	(c) details of the corrective and preventative actions that have been, or will be, implemented to address the incident and prevent recurrence; and (d) details of any communication with other stakeholders regarding the incident.	
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Appendix 2: Environmental Monitoring Programs Matrix

	Mining Area	
	Area 7	Area 9
Surface Operations		
Noise Monitoring	Noise Management Plan - Section 6	Noise Management Plan - Section 6
Air Quality Monitoring	Air Quality Management - Section 6	Air Quality Management - Section 6
Surface Water Monitoring	Water Management Plan - Section 7	Water Management Plan - Section 7
Coal Wash Emplacement Area Monitoring	CWEA Management Plan - Section 8	CWEA Management Plan - Section 8
Mining Area (Extraction Plan)		
Surface and Groundwater Monitoring	Area 7 Environmental Management Plan – Table 1.1	Area 9 (LW901 – 904) Water Management Plan - Section 6
Biodiversity Monitoring	Area 7 Environmental Management Plan – Table 1.1	Area 9 (LW901 – 904) Biodiversity Management Plan - Section 6
Heritage Management	Area 7 Environmental Management Plan – Table 1.1	Area 9 (LW901 – 904) Heritage Management Plan - Section 6
Cliffs and Steep Slopes	Area 7 Environmental Management Plan – Table 1.1	Area 9 (LW901 – 904) Land Management Plan - Section 6

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Appendix 3: Agency Consultation

Agency Comments	IMC Response
Wollondilly Shire Council	
<p><u>Feedback received 19/07/2022</u></p> <p>This Memo advises that no comments are being provided on the above Plan due to insufficient time and comments being provided by government agencies. There is also considered opportunity to provide comments on Monitoring Reports as part of the implementation of the Plan.</p>	Noted
DPE	
<p><u>Response received 4 November 2022</u></p> <p>Review Section 3.6 and contemporise the list of acts and regulations as required.</p> <p>Update Sections 5.1 and 5.4 to include specific timeframes/ frequencies for the review, evaluation and update (if necessary) of each of the engagement mechanisms.</p> <p>It is unclear what types of activities are recorded in the Aspects and Impacts Register. Further clarity, including examples, should be provided.</p> <p>It is unclear what the purpose of the Aspects and Impacts Register is in the context of communication (Section 5). Further clarity, including examples of how the register may be used for communication purposes, should be provided.</p>	<p>The list of legislation has been reviewed and updated.</p> <p>Sections 5.1 and 5.4 have been updated to reflect this requirement.</p> <p>Examples have been provided in Table 3.</p> <p>The section on Risk Management has been changed from Section 5.7 to Section 7.</p>

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Appendix 4: EMS Approval

Department of Planning and Environment



Our ref: MP08_0150-PA-62

Chris Schultz
Superintendent Environment
via email: chris.schultz1@south32.net

15/11/2022

Subject: Bulli Seam Operations – Environmental Management Strategy

Dear Mr Schultz

I refer to the Environmental Management Strategy submitted in accordance with conditions 1 and 5, Schedule 6 of Project Approval 08_0150 for the Bulli Seam Operations. I also acknowledge your response to the Department's review comments and request for additional information.

I note the Environmental Management Strategy has been prepared in consultation with Wollondilly Shire Council and contains the information required by the conditions of approval.

The Department has carefully reviewed the document and is satisfied that it meets the requirements of the relevant conditions of approval for the Bulli Seam Operations (08_0150).

You are reminded that if there are any inconsistencies between the Environmental Management Strategy and the conditions of approval, the conditions prevail.

Please ensure you make the document publicly available on the project website at the earliest convenience.

If you wish to discuss the matter further, please contact Polina Golberg on 02 8275 1072 or at polina.golberg@dpie.nsw.gov.au.

Yours sincerely

Jessie Evans
Director, Resource Assessments
Resource Assessments

As nominee of the Planning Secretary

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