

# Environmental Management Strategy

## Mount Thorley Warkworth

### DOCUMENT CONTROL

Version	Date	Revision Description	Author	Approver	Secretary Approval Date
1.0	10/08/2018	Original Document prepared to satisfy: <ul style="list-style-type: none"> <li>Development Consent SSD-6464; and</li> <li>Development Consent SSD-6465.</li> </ul>	Andrew Hodge Environmental Specialist - Operations	Gary Mulhearn Environment & Community Manager	24/08/2018
1.1	31/7/2019	Update to figures, Table 1.1, other minor revisions.	Gary Mulhearn	Gary Mulhearn	28/08/2019
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## **DEFINITIONS / ABBREVIATIONS**

**YAL** – Yancoal Australia Limited

**MTO** – Mount Thorley Operations

**WML** – Warkworth Mining Limited

**MTW** – Mount Thorley Warkworth Coal Mine (combined operations)

**DPIE** – NSW Department Planning, Industry and Environment

**DRG** – NSW Division Resources and Energy

**EPA** – NSW Environment and Protection Authority

**EPL** – Environment Protection Licence

**DAWE** – Department of Agriculture, Water and the Environment (Federal)

**EMP** – Environmental Management Plan

**EMS** – Environmental Management Strategy

**NRAR** – Natural Resources Access Regulator

**ARR** – Annual Review Report

**EPL AR** – EPL Annual Return

## **1.0 INTRODUCTION**

Mount Thorley Warkworth Coal Mine (MTW), is an integrated operation consisting of Warkworth Mining Limited (WML) and Mount Thorley Operations (MTO), situated 14 km southwest of Singleton, in the Upper Hunter Valley region of NSW (**Figure 1**). MTW is operated by Coal & Allied (NSW) Pty Limited, a wholly owned subsidiary of Yancoal Australia Limited (YAL). The operation supplies international and domestic markets with semi-soft coking coal and thermal coal.

Development Consents for the Warkworth Continuation and Mount Thorley Operations 2014 Projects (SSD-6464 and SSD-6465 respectively, together “the Development Consents”) were granted on 26 November 2015.

This Environmental Management Strategy (EMS) has been prepared to satisfy the relevant conditions of the Development Consents, and provides an overview of environmental management at MTW.

## **2.0 PROJECT DESCRIPTION**

The WML and MTO projects are described in detail in the Environmental Impact Statements and supporting documents (prepared by EMGA Mitchell McLennan, June 2014), and summarised in this section. MTW is an open cut mine, using dragline and truck and shovel method. Employees work in shifts 24 hours a day, seven days a week. Operations are centred in the Whittingham Coal Measures of the Hunter Coalfield which is part of a Permian coal basin known as the Sydney basin. After being washed and prepared for sale, coal is loaded onto trains for transportation 90km to port facilities in Newcastle where it is shipped to international customers.

MTW is generally located near public roads comprising the Golden Highway alongside the northern and eastern WML boundary, Wollombi Brook and Charlton Roads to the west. The operation is bisected by Putty Road, with WML located to the north of the Putty Road, and MTO to the south. MTO shares its southern boundary with the adjoining Bulga Open Cut (BOC).

Within the WML lease, mining activities will continue to advance in a westerly direction in both North Pit and West Pit. South Pit has reached its final limit with regards to excavation. This area is currently being utilised for dumping activity.

Within the MTO lease, mining has reached the western limit with remaining reserves to be mined to depth in Loders Pit over the coming year before being utilized for overburden emplacement and tailings storage. Mining related activities are described in the current Mining Operations Plan (MOP).

Surrounding land uses include mining (nearby operations include Bulga Coal, Wambo Coal and Hunter Valley Operations), agriculture (to the east in the areas of Mount Thorley and Hambledon Hill), industrial pursuits in the Mount Thorley Industrial Estate, and nearby residential communities of Bulga, Milbrodale, Warkworth and Long Point. The township of Singleton is located approximately 7km to the east of WML.

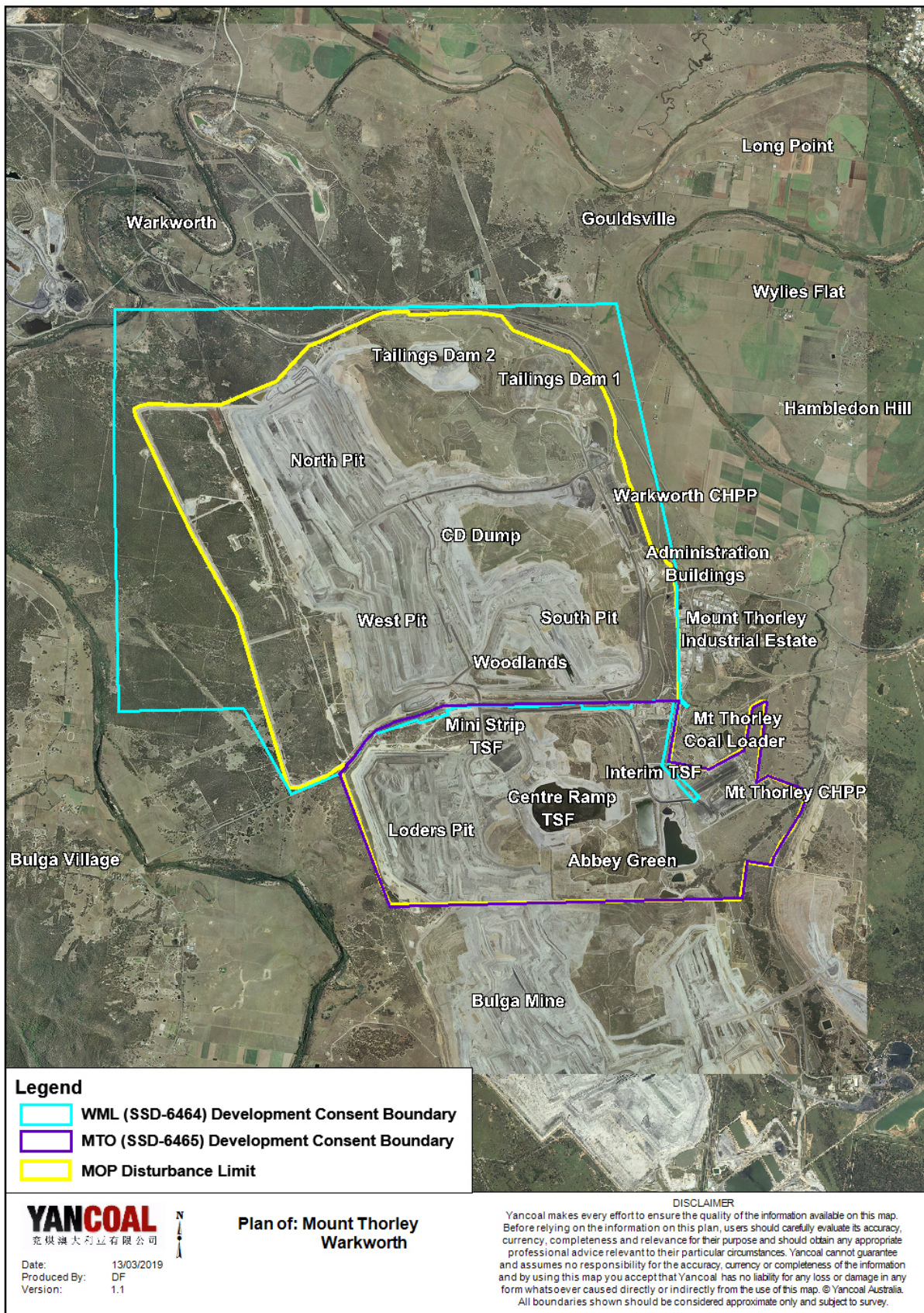


Figure 1: Regional Location

### **3.0 PURPOSE AND SCOPE**

This Environmental Management Strategy (EMS) has been prepared to satisfy the requirements of the following development consents:

- Warkworth Continuation Project: Development Consent SSD-6464; and
- Mount Thorley Continuation Project: Development Consent SSD-6465.

The purpose of the EMS is to provide a strategic framework for environmental management at MTW. It provides an overarching framework for the environmental management and monitoring of activities undertaken at MTW and incorporates the principles of continuous improvement as detailed in **Figure 2**.

Management of environmental aspects and issues of the mine are documented, regulated, controlled and measured through this document (EMS), the Mining Operations Plan (MOP), various environmental management plans, and the Annual Review Report.

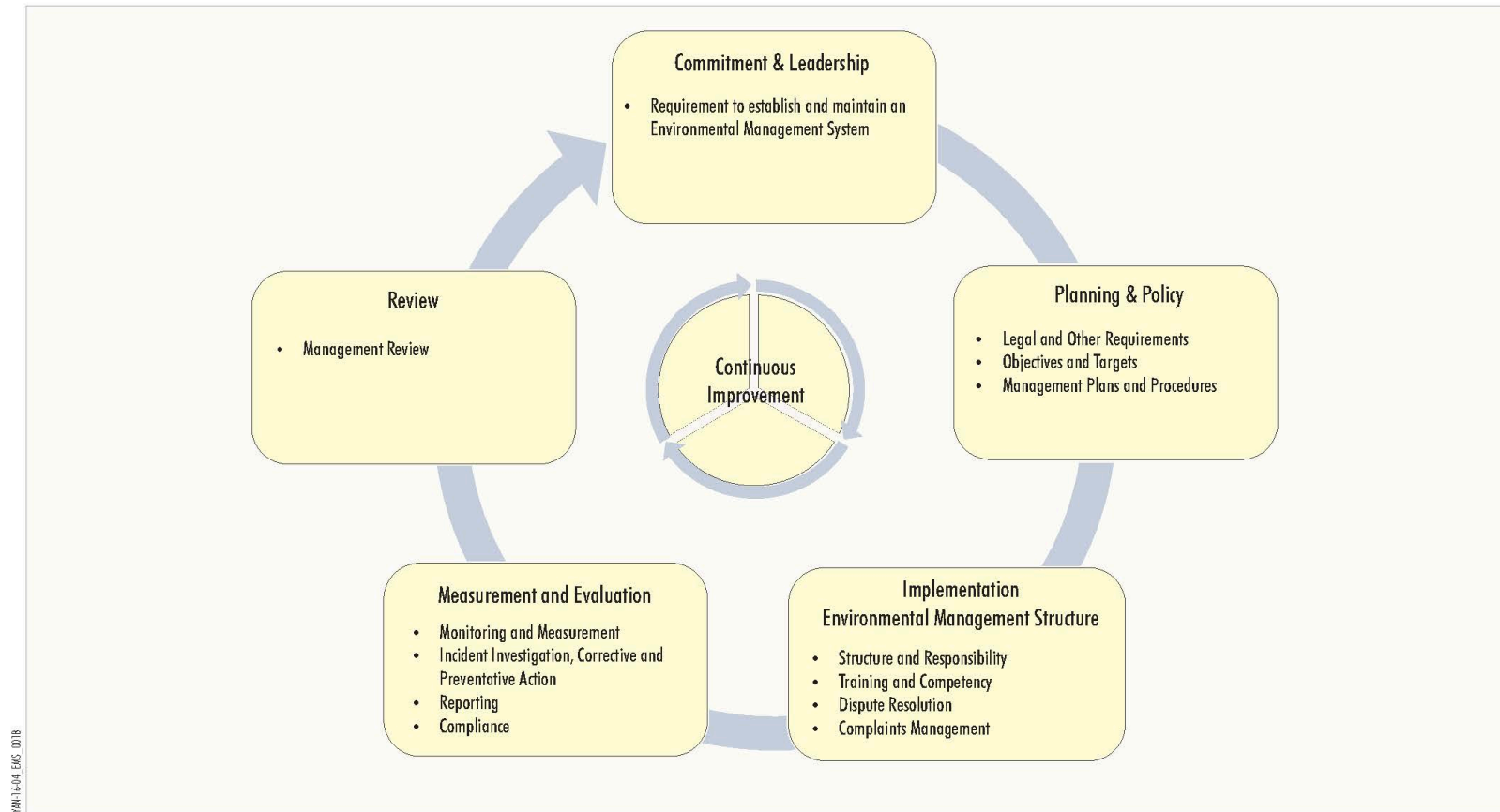


Figure 2

## 4.0 COMMITMENT AND LEADERSHIP

Achieving effective environmental management requires responsible and proactive leadership. The YAL Environment and Community Relations Policy (E&C Policy), provides the governing principles for environmental and community management across all YAL operations. The E&C Policy is provided in **Appendix A**. MTW management demonstrates commitment to the E&C Policy by:

- ensuring the policy is readily accessible and is displayed in prominent locations;
- endorsing and implementing this EMS;
- implementing the principles outlined in the policy into the operations.
- ensuring personnel (employees and contractors), are aware of their responsibilities in relation to the policy through effective training and induction programs; and
- appropriately resourcing implementation and review of this EMS.

## 5.0 STATUTORY APPROVALS

Relevant statutory approvals and licenses are summarised in **Table 1**. Copies of the approvals are available on the website (<https://insite.yancoal.com.au>). A copy of the State Significant Development Consents are included in **Appendix B** and **Appendix C**.

**Table 1: MTW Statutory Approvals and Licences**

Approval Document	Authority	Issue Date	Expiry Date
Warkworth Development Consent (SSD-6464) – <b>Appendix B</b>	DPIE	26/11/2015. Commencement date: 15/02/2016	15/2/2037 (21 years from commencement)
Mount Thorley Development Consent (SSD-6465) - <b>Appendix C</b>	DPIE	26/11/2015. Commencement date: 15/02/2016	15/2/2037 (21 years from commencement)
EPBC 2009/5081	DoEE	09/08/2012	31/03/2033
EPBC 2002/629	DoEE	18/02/2004	25/02/2039
EPL 1376	EPA	1 <sup>st</sup> December (Anniversary date)	-
EPL 1976	EPA	1 <sup>st</sup> April (Anniversary date)	-
EPL 24	EPA	1 <sup>st</sup> August (Anniversary date)	-
CCL 753	DRG	23/05/1990	17/02/2023
ML 1412	DRG	11/01/1997	10/01/2018* (renewal pending)
ML 1590	DRG	27/02/2007	26/02/2028
CL 219	DRG	23/09/1981	22/09/2023
ML 1751	DRG	17/03/2017	17/03/2038

Approval Document	Authority	Issue Date	Expiry Date
ML 1752	DRG	17/03/2017	17/03/2038
EL 7712	DRG	23/02/2011	23/02/2020 (renewal pending)
EL 8824	DRG	15/02/2019	15/2/2025

## 5.1 EMS - DEVELOPMENT CONSENT REQUIREMENTS

The conditions of the relevant Development Consents relevant to this EMS are detailed below in **Table 2**.

**Table 2: Development Consent Requirements**

Condition Reference	Condition	EMS Section
SSD-6464 Warkworth Continuation Project Development Consent Sch. 5 Cond. 1	<p><i>The applicant shall prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary, and carry out the development in accordance with this strategy. The strategy must:</i></p> <ul style="list-style-type: none"> <li><i>a) be submitted to the Secretary for approval prior to carrying out any development under this consent;</i></li> <li><i>b) provide the strategic framework for environmental management of the development;</i></li> <li><i>c) identify the statutory approvals that apply to the development;</i></li> <li><i>d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;</i></li> <li><i>e) describe the procedures that would be implemented to:</i> <ul style="list-style-type: none"> <li><i>• keep the local community and relevant agencies informed about the operation and environmental performance of the development;</i></li> <li><i>• receive, handle, respond to, and record complaints;</i></li> <li><i>• resolve any disputes that may arise;</i></li> <li><i>• respond to any non-compliance;</i></li> <li><i>• respond to emergencies; and</i></li> </ul> </li> <li><i>f) include:</i> <ul style="list-style-type: none"> <li><i>• copies of any strategies, plans and programs approved under the conditions of this consent; and</i></li> <li><i>• a clear plan depicting all the monitoring required to be carried out under the conditions of this consent.</i></li> </ul> </li> </ul>	<p><i>An approved EMS exists - This is an update to Yancoal format.</i></p> <p><i>Whole document</i></p> <p><i>Section 5</i></p> <p><i>Section 6.2</i></p> <p><i>Section 6.4, Section 7.3</i></p> <p><i>Section 6.5</i></p> <p><i>Section 6.6</i></p> <p><i>Section 7.4</i> <i>Section 6.3, Section 7.5</i></p> <p><i>Appendix E</i></p> <p><i>Appendix B</i></p>

Condition Reference	Condition	EMS Section
SSD-6465 Mount Thorley Operations Development Consent Sch. 5 Cond. 1	<p><i>The applicant shall prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary, and carry out the development in accordance with this strategy. The strategy must:</i></p> <ul style="list-style-type: none"> <li><i>a) Be submitted to the Secretary prior to carrying out any development under this consent;</i></li> <li><i>b) Provide the strategic framework for environmental management of the development;</i></li> <li><i>c) Identify the statutory approvals that apply to the development;</i></li> <li><i>d) Describe the role, responsibility, authority, and accountability of all key personnel involved in environmental management of the development;</i></li> <li><i>e) Describe the procedures that would be implemented to:</i> <ul style="list-style-type: none"> <li><i>• Keep the local community and relevant agencies informed about the operation and environmental performance of the mine development;</i></li> <li><i>• Receive, handle, respond to, and record complaints</i></li> <li><i>• Resolve any disputes that may arise;</i></li> <li><i>• Respond to any non-compliance;</i></li> <li><i>• Respond to emergencies; and</i></li> </ul> </li> <li><i>f) Include:</i> <ul style="list-style-type: none"> <li><i>• Copies of any strategies, plans and programs that are approved under the conditions of this consent; and</i></li> <li><i>• A clear plan depicting all the monitoring to be carried out under the conditions of this consent.</i></li> </ul> </li> </ul>	<p><i>An approved EMS exists - This is an update to Yancoal format.</i></p> <p><i>Whole document</i></p> <p><i>Section 5</i></p> <p><i>Section 6.2</i></p> <p><i>Section 6.4, Section 7.3</i></p> <p><i>Section 6.5</i></p> <p><i>Section 6.6</i></p> <p><i>Section 7.4</i></p> <p><i>Section 6.3, Section 7.5</i></p> <p><i>Appendix E</i></p> <p><i>Appendix B</i></p>

Condition Reference	Condition	EMS Section
SSD-6464 Warkworth Continuation Project and SSD-6465 Mount Thorley Operations Development Consents Sch. 5 Cond. 3	<p>The Applicant shall ensure that the management plans required under this consent are prepared in accordance with any relevant guidelines, and include:</p> <ul style="list-style-type: none"> <li>a) Detailed baseline data;</li> <li>b) A description of <ul style="list-style-type: none"> <li>• The relevant statutory requirements (including any relevant consent, licence or lease conditions);</li> <li>• Any relevant limits or performance measures / criteria;</li> <li>• The specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development of any management measures;</li> </ul> </li> <li>c) A description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures / criteria;</li> <li>d) A program to monitor and report on the: <ul style="list-style-type: none"> <li>• Impacts and environmental performance of the development;</li> <li>• Effectiveness of any management measures (see c above)</li> </ul> </li> <li>e) A contingency plan to manage any unpredicted impacts and their consequences;</li> <li>f) A program to investigate and implement ways to improve the environmental performance of the development over time;</li> <li>g) A protocol for managing any: <ul style="list-style-type: none"> <li>• Incidents;</li> <li>• Complaints;</li> <li>• Non-compliances with statutory requirements; and</li> <li>• Exceedances of the impact assessment criteria and/or performance criteria; and</li> </ul> </li> <li>h) A protocol for periodic review of the plan.</li> </ul> <p>Note: The Secretary may waive some of these requirements if they are unnecessary for particular management plans.</p>	<p>Appendix E Section 5, Section 6.1, Appendix E</p> <p>Section 6, Appendix E</p> <p>Section 7</p> <p>Section 8</p> <p>Section 8</p> <p>Section 7.4 and 7.5</p> <p>Section 8</p>

## 5.2 OTHER RELEVANT LEGISLATION

Other relevant legislation which may be applicable include, but is not limited to the following:

- *Environmental Planning and Assessment Act, 1979;*
- *Environment Protection and Biodiversity Conservation Act, 1999 (Commonwealth);*
- *Biodiversity Conservation Act, 2016;*
- *Crown Lands Act, 1989;*
- *Fisheries Management Act, 1994;*
- *Heritage Act, 1977;*
- *Mining Act, 1992;*
- *National Parks and Wildlife Act, 1974;*

- *Protection of the Environment Operations Act, 1997;*
- *Roads Act, 1993;*
- *Water Act, 1912;*
- *Water Management Act, 2000;*
- *Work Health and Safety Act, 2011; and*
- *Work Health and Safety (Mines) Act, 2013.*

## **6.0 IMPLEMENTATION**

### **6.1 ENVIRONMENTAL MANAGEMENT PLANS**

Environmental Management Plans (EMPs) required in accordance with relevant approvals at MTW are summarised below. Copies of the below approved management plans and other approved programs have been appended to the EMS document as **Appendix E**.

Copies of individual EMPs are available on the MTW website (<https://insite.yancoal.com.au>). The EMPs, strategies and programs required at MTW include:

- This EMS
- Noise Management Plan
- Blast Management Plan
- Water Management Plan
- Aboriginal Heritage Management Plan
- Wollombi Brook Aboriginal Cultural Heritage Conservation Area- Plan of Management
- Historic Heritage Management Plan
- Rehabilitation Management Plan (MOP)
- Biodiversity Management Plan
- Pollution Incident Response Management Plan (PIRMP -required by POEO Act)

## 6.2 ROLES AND RESPONSIBILITIES

Roles and responsibilities for the implementation of the **EMS** is provided in **Table 3**.

**Table 3: Roles and Responsibilities**

Role	Responsibilities
<b>General Manager</b>	<ul style="list-style-type: none"> <li>Commit site to Yancoal E&amp;C Policy</li> <li>Ensure adequate resourcing is available to develop and implement the EMS</li> </ul>
<b>Environment and Community Manager</b>	<ul style="list-style-type: none"> <li>Providing leadership in the preparation, implementation and maintenance of the EMS;</li> <li>Approve the EMS, any revisions and associated plans and procedures. Audit the effectiveness of implementation of the EMS;</li> <li>Consult with regulatory authorities as required;</li> <li>Ensuring that the EMS is reflective of contemporary operations and risks;</li> <li>Interpreting the vision to their team members and giving them discretion to consider and act accordingly.</li> <li>Facilitate measures for continual improvement to this EMS and EMPs.</li> <li>Communicate the progress of relevant environmental requirements to relevant stakeholders.</li> </ul>
<b>Supervisors (All levels – Manager / Superintendent/ Specialist / Team Leader)</b>	<p>Each Manager / Superintendent / Specialist / Team Leader role is accountable for the implementation of the EMS standards within the area of control and with demonstrated behaviour, will ensure that:</p> <ul style="list-style-type: none"> <li>EMS is consistently applied across their area of control;</li> <li>Ensuring that all team members understand the EMS requirements and perform them accordingly;</li> <li>Behaving in a manner than demonstrates their commitment and understanding of EMS;</li> <li>Reporting and recommending improvements of this EMS to the E&amp;C Manager as appropriate.</li> </ul>
<b>Employee / Contractor</b>	<p>Each employee / contractor is accountable for:</p> <ul style="list-style-type: none"> <li>Following EMS requirements including any associated standards, procedures and systems; and</li> <li>Reporting and recommending improvements of this EMS to the E&amp;C Manager as appropriate.</li> </ul>

## 6.3 ENVIRONMENTAL EMERGENCIES

MTW maintains a Pollution Incident Response Management Plan (PIRMP) that relates to its operations. Environmental emergency response procedures are integrated with on-site emergency response plans.

An Emergency Response Team is in operation at MTW and trained to coordinate and respond to emergency situations, accidents and pollution events and undertake rescues as required. Preparedness for emergencies by staff, personnel, contractors and service providers is undertaken in accordance with onsite training requirements whereby personnel are appropriately trained in the use of emergency response equipment and procedures, and will be made aware of their responsibilities should such an event occur.

Reporting of environmental incidents is discussed in **Section 7.5**, including triggering of the Pollution Incident Response Management Plan (PIRMP).

## 6.4 INFORMATION DISSEMINATION

### **Community Consultative Committee**

Community Consultative Committees (CCC) are operated in accordance with the *Community Consultative Committee Guidelines for State Significant Development Projects*.<sup>1</sup> CCC meetings are generally scheduled in advance of the forthcoming year and are held four times per year.

The membership of the CCC is comprised of an Independent Chair and representation from the Local Government Area, the neighbouring community and site management representatives.

Minutes of CCC meetings are available on the MTW website (<https://insite.yancoal.com.au/>).

### **Website**

MTW operates a website (<https://insite.yancoal.com.au/>) for the provision of information to community stakeholders and other interested parties about the MTW operation and its environmental performance. The following information is made available and is updated accordingly from time to time:

- current statutory approvals for the projects;
- approved strategies, management plans or programs;
- monitoring results of the project;
- a complaints register, which is updated on a monthly basis;
- minutes of CCC meetings;
- the last five annual reviews; and
- any independent environmental audit, and any responses to the recommendations in any audit.

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<sup>1</sup> Department of Planning and Environment (2016) *Community Consultative Committee Guidelines for State Significant Development Projects*.

### **Internal Communication**

Environmental management and performance is communicated to staff, contractors and visitors through:

- toolbox training, formal training, memos, weekly/daily planning meetings;
- induction and orientation processes;
- site inspections and auditing; and
- communication sessions.

## **6.5 COMMUNITY COMPLAINTS MANAGEMENT**

The Community Complaints contact phone number is dedicated to the receipt of community complaints which operates 24 hours per day, seven days a week, to receive any complaints from neighbouring residents or other stakeholders. The Community Complaints contact number is advertised in the local media, community newsletters and on the MTW website (<https://insite.yancoal.com.au/>).

**Table 4: Community Complaints Contact Details**

<b>Topic</b>	<b>Phone</b>
<b>Community Complaints Number</b>	1800 656 892

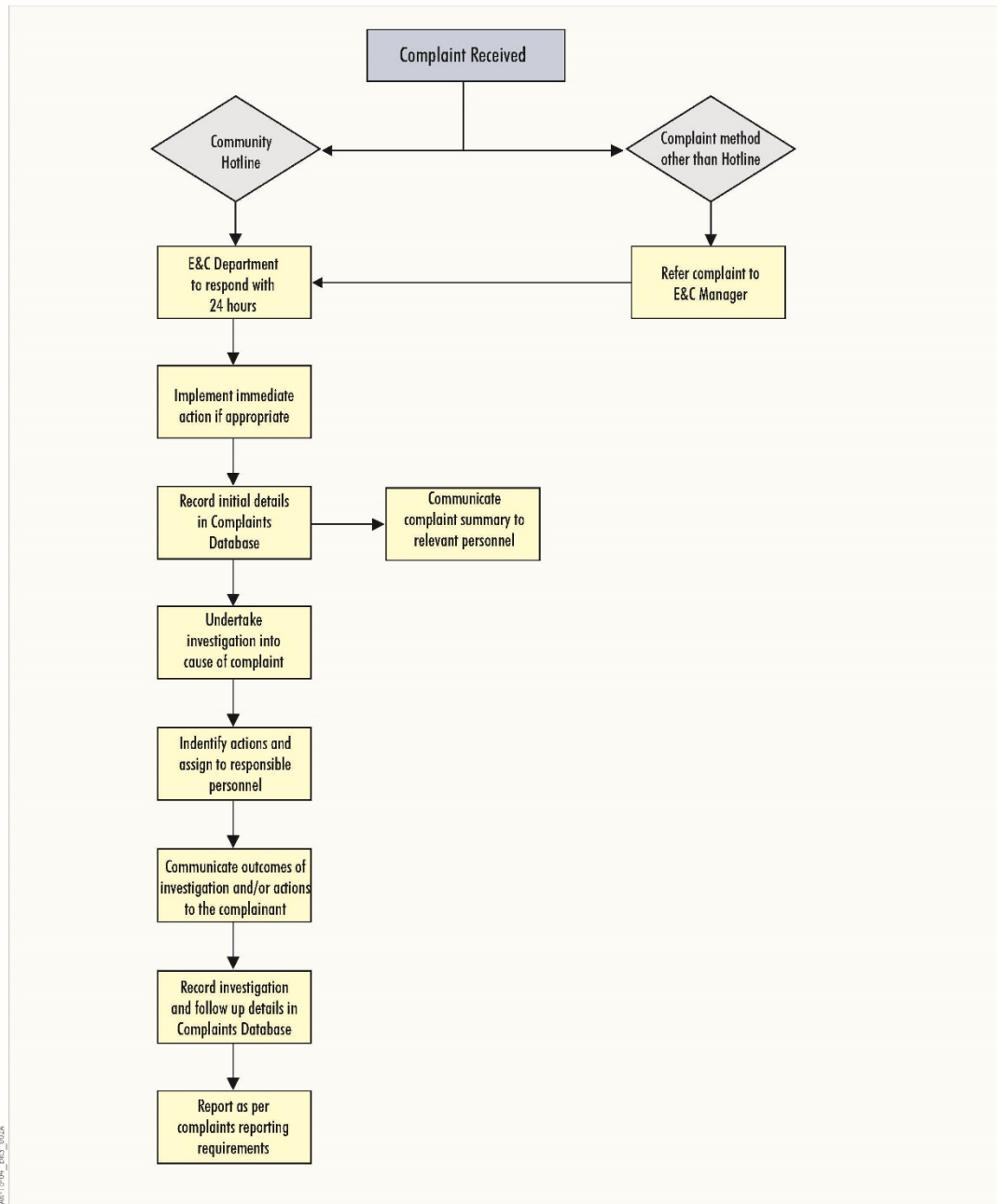
MTW follows a complaints management process when receiving, responding to and recording community complaints. A complaints management database has been developed to allow for the capture and management of complaints raised at MTW.

Investigations are to commence within 24 hours of the receipt of a complaint to determine the likely cause of the complaint. The investigation will be used to develop appropriate mitigation measures which will be presented to the complainant.

The complaints process requires the recording of relevant information including:

- the nature of the complaint;
- method of the complaint;
- relevant monitoring results and meteorological data at the time of the complaint;
- site investigation outcomes;
- any necessary site activity and activity changes;
- any necessary actions assigned; and
- communication of the investigation outcome(s) to the complainant.

An overview of the community complaint response process is detailed in **Figure 3**. A complaints register is updated monthly and made available on the MTW website.



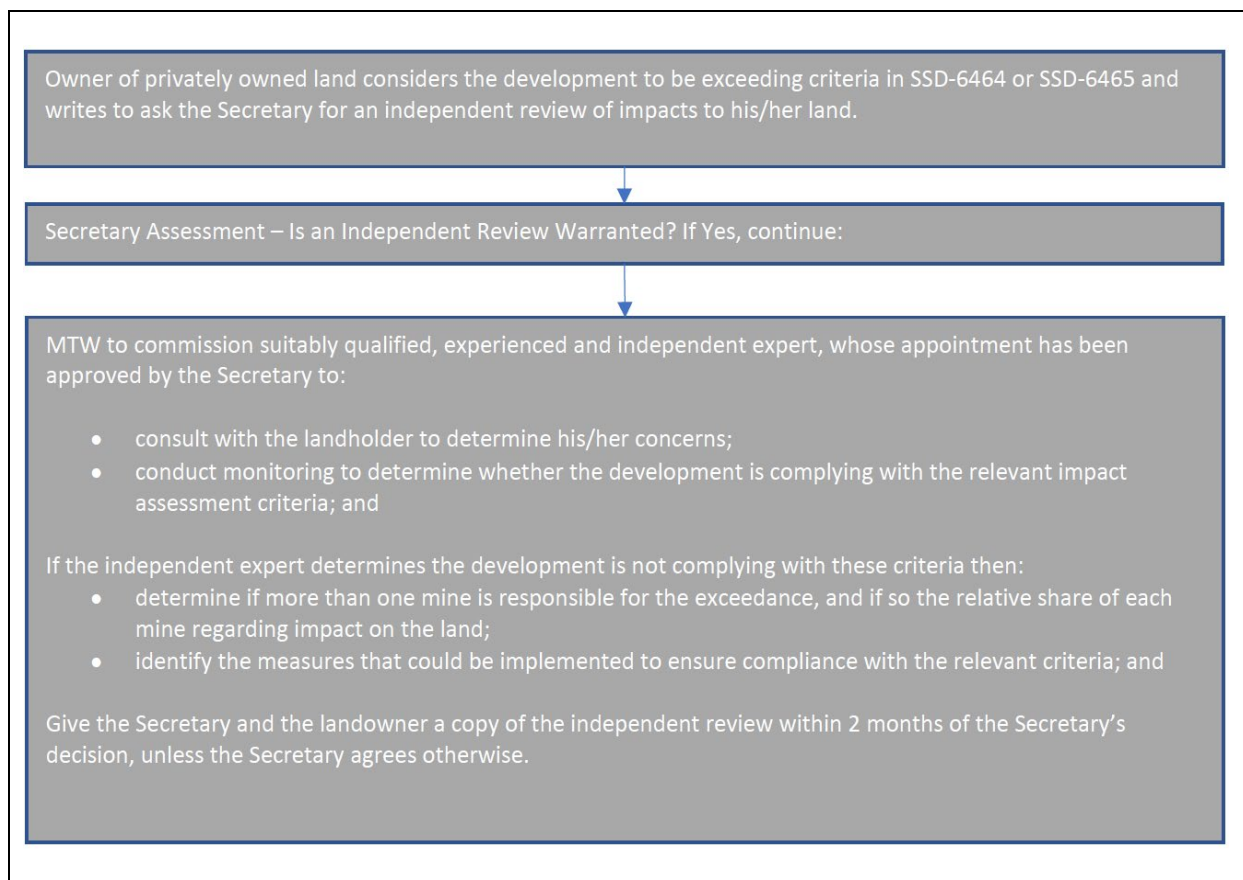
MTW ENVIRONMENTAL MANAGEMENT STRATEGY

Community Complaints Response Process

Figure 3

## 6.6 DISPUTE RESOLUTION

In the event of a disagreement between operations and a member of the community in relation to an alleged exceedance of the criteria in the Development Consents, the Environment and Community Manager (or delegate) will undertake an investigation into the nature of the dispute. Should resolution of the disagreement not be reached through this primary process, and the landholder considers the development to be exceeding the criteria in the Development Consents at his/her land, then the landholder may utilise the Independent Review procedure specified in the Development Consents (Schedule 4, Condition 4 of SSD-6464 and SSD-6465). An overview of the dispute resolution process is detailed in **Figure 4**.



**Figure 4: Independent Review Procedure – Exceedance of Consent Criteria**

In the event of dispute arising from other consented conditions relating to property inspections, property investigations, specified mitigation works, compensatory water supply, and/or land acquisition matters where an agreement cannot be arrived at, these may be referred directly to the Secretary of DPIE by either party in accordance with the relevant consent conditions.

## **6.7 TRAINING**

It is the responsibility of MTW to employ people that are appropriately trained, competent and have an appropriate level of experience and understanding to undertake their work in a manner that minimises impacts on the environment. This includes also, an understanding to the appropriate level, relevant environmental awareness of obligations and responsibilities whilst conducting work activities on site.

### ***Site Induction***

Prior to commencing any work activities on site, all personnel are required to undertake a site-specific induction. The induction includes a summary of the operation as well as associated health, safety, environment and community requirements. The induction includes an overview of MTWs environmental impacts and aspects with a focus on the relevant legislation and legal responsibilities applicable to all employees, contractors and visitors whilst on site. The induction includes training on risk management tools which may include consideration of environmental risk when planning job tasks.

### ***Visitors Induction***

All visitors are required to undertake a Visitor's Induction program at the point of entry, which outlines the overarching health & safety requirements and obligations of a visitor to the operation. The nominated MTW site contact will be responsible for the actions and conduct of their visitors and will clarify and reinforce any environmental requirements as required.

## 7.0 MONITORING, EVALUATION AND REPORTING

### 7.1 MONITORING

Monitoring for parameters as nominated in the Development Consents and Environment Protection Licences is comprehensively addressed within each respective EMP.

**Appendix B** identifies the required monitoring to be conducted across the operations. Monitoring locations are reviewed periodically and may be updated from time to time to account for progression of mining and changes in land ownership.

### 7.2 EVALUATION

An Annual Review Report (ARR) is prepared on a calendar year basis reporting on the previous year's activities undertaken at MTW along with the environmental monitoring results. A performance review is conducted against conditions, commitments and associated criteria and reported in each ARR.

An Independent Environmental Audit (IEA) will be undertaken every three (3) years by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary of the DPIE. The IEA report is to be provided to all relevant stakeholders in accordance with the conditions of the Development Consent. A copy of the final IEA report will be made available on the website (<https://insite.yancoal.com.au>).

### 7.3 REPORTING

Reporting protocols have been developed for managing and reporting the following:

- routine environmental monitoring;
- incidents;
- complaints;
- non-compliances with statutory conditions; and
- exceedances of the impact assessment criteria and/or performance criteria.

Environmental reporting requirements including timing, submission and distribution method are summarised in **Table 5**.

**Table 5: Reporting Requirements**

Report	Frequency	Distribution	Method	Owner
<b>Incident Report</b>	As required	DPIE, EPA (other agencies as required)	Major Projects Portal, Email	Environment and Community Manager
<b>Annual Review Report (incorporating Annual Environmental Management Report)</b>	Annually	DPIE Resource Regulator NRAR CCC	Major Projects Portal, Email, Website	Environment and Community Manager
<b>Annual Return</b>	Annually	EPA	EPA Online	Environment and Community Manager
<b>EPBC Act Compliance Report</b>	Annually (for the period 1 January to 31 December or as specified in approval)	DAWE	Email & Website	Environment and Community Manager
<b>Independent Environmental Audit</b>	Every 3 years	DPIE	Major Projects Portal	Environment and Community Manager
<b>Monthly EPL Pollution Monitoring Data Summary</b>	Monthly	EPA	Website	Environment and Community Manager
<b>Monthly Environmental Monitoring Report</b>	Monthly	DPIE	Website	Environment and Community Manager
<b>National Pollutant Inventory Report</b>	Annually (for the period 1 January to 31 December)	EPA	On-Line	Environment and Community Manager
<b>National Greenhouse and Energy Report</b>	Annually (for the period 1 July to 30 June)	Clean Energy Regulator	On-Line	Environment and Community Manager

## 7.4 COMPLIANCE

Compliance with relevant statutory approvals, plans and procedures will be the responsibility of **all** personnel (staff and contractors) employed on or in association with operations. Compliance with approval conditions is to be achieved via:

- Adherence to the Development Consents, licence and ML conditions, and corporate policies;
- Monthly evaluation of monitoring data against criteria and trigger levels in EMPs;
- Conducting routine inspections of key site facilities and areas of risk;
- Compliance auditing (both internal and external);
- Annual compliance reporting within the ARR;
- Review of the EMPs on an annual basis, following a reported incident, after an Independent Environmental Audit or after an approved modification to the current approval; and
- Implementation of an effective training and education program as required.

### ***Communication of Exceedance of Criteria***

Within two (2) weeks of obtaining monitoring results showing an exceedance of the criteria detailed in the Development Consents and upon the completion of the protocol for determining if an exceedance is a non-compliance (as outlined in each management plan), operations shall:

- notify affected landowners in writing of the exceedance, and provide regular monitoring results to each affected landowner until compliance with the relevant criteria is reached; and
- in the event of an exceedance of the air quality criteria, send a copy of the NSW Health fact sheet entitled “Mine Dust and You” (as may be updated from time to time) to the affected landowners and/or existing tenants of the land (including the tenants of any mine owned land).

## 7.5 INCIDENTS

An **Incident** (as defined by the Development Consents) 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 the event that an incident which causes or threatens to cause material harm to the environment occurs, the Incident will be managed in accordance with the Pollution Incident Response Management Plan (PIRMP).

The reporting of an Incident is to be conducted in accordance with operational protocols, relevant statutory approvals, obligations and procedures as approved within operational EMPs.

The reporting of Incidents (as defined above) will be conducted in accordance with Condition 7, Schedule 5 and Condition 7, Schedule 5 of the Development Consents (SSD-6464, and SSD-6465, respectively) and in accordance with the protocol for industry notification of pollution incidents under Part 5.7 of the

*Protection of the Environment Operations Act, 1997* (described in the PIRMP). MTW will notify the Secretary of the DPIE and any other relevant agencies immediately after MTW becomes aware of the incident.

Within seven (7) days of the date of an identified Incident, MTW will provide the Secretary of the DPIE and any other relevant agency as requested, a report of the alleged Incident in question. The report will:

- describe the date, time and nature of the alleged exceedance/incident;
- identify the cause (or likely cause) of the alleged exceedance/incident;
- describe what action has been taken to date; and
- describe the proposed measures to address the alleged exceedance/incident.

In the event that any other environmental incident associated with operations occurs that does not meet the Incident definition above, then the incident will be managed in accordance with approved site policies and procedures.

## **8.0 REVIEW**

In accordance with the Development Consent requirements, the Environmental Management Strategy (and all subordinate strategies, plans, and programs required by the Development Consents) will be reviewed, within 3 months of:

- (a) the submission of an Annual Review Report;
- (b) the submission of an Incident report as defined in the Development Consents;
- (c) the submission of an Independent Environmental Audit report; or
- (d) any modification to the conditions of the Development Consents (unless the conditions require otherwise).


Where the review leads to revisions in the EMS or other subordinate documents required by the Development Consents, then within 4 weeks of the review (unless the Secretary agrees otherwise) the revised document(s) must be submitted to the Secretary for Approval.

In addition to the above, new activities or changes to the operation that may result in environmental issues will be assessed to determine if changes are required to manage the impacts, and so if any revision to a particular subordinate plan is required.

Any revision of the EMS will be undertaken to the satisfaction of the Secretary of NSW Department of Planning, Industry and Environment.

## **Appendix A**

### **YAL Environment and Community Relations Policy**



## YANCOAL POLICY – Environment and Community Relations

### Objective

Yancoal is committed to operating as an environmentally and socially responsible corporate entity. We will strive to be a valued and respected member of the communities in which we operate.

### Scope


This policy applies to all Yancoal business units and operations.

### Statement


Yancoal accepts its responsibility to conduct its operation in a lawful and environmentally sound manner and to work in consultation with the community and other stakeholders.

We will:

- Identify, understand, assess and manage potential environmental impacts and community issues.
- Implement, validate and maintain an effective documented environment and community relations management system.
- Strive for continual improvement in environmental performance.
- Provide the resources and training to our employees necessary to achieve our objectives.
- Deliver outcomes that meet or exceed our environmental licences and approvals, and bring a positive benefit to the communities in which we operate.
- Comply with applicable legislation and regulations.
- Foster positive relationships with regulatory agencies and community stakeholders.
- Be accountable for our actions.
- We will strive for excellence in environmental management and in the establishment of strong, trusting and sustainable community relationships.

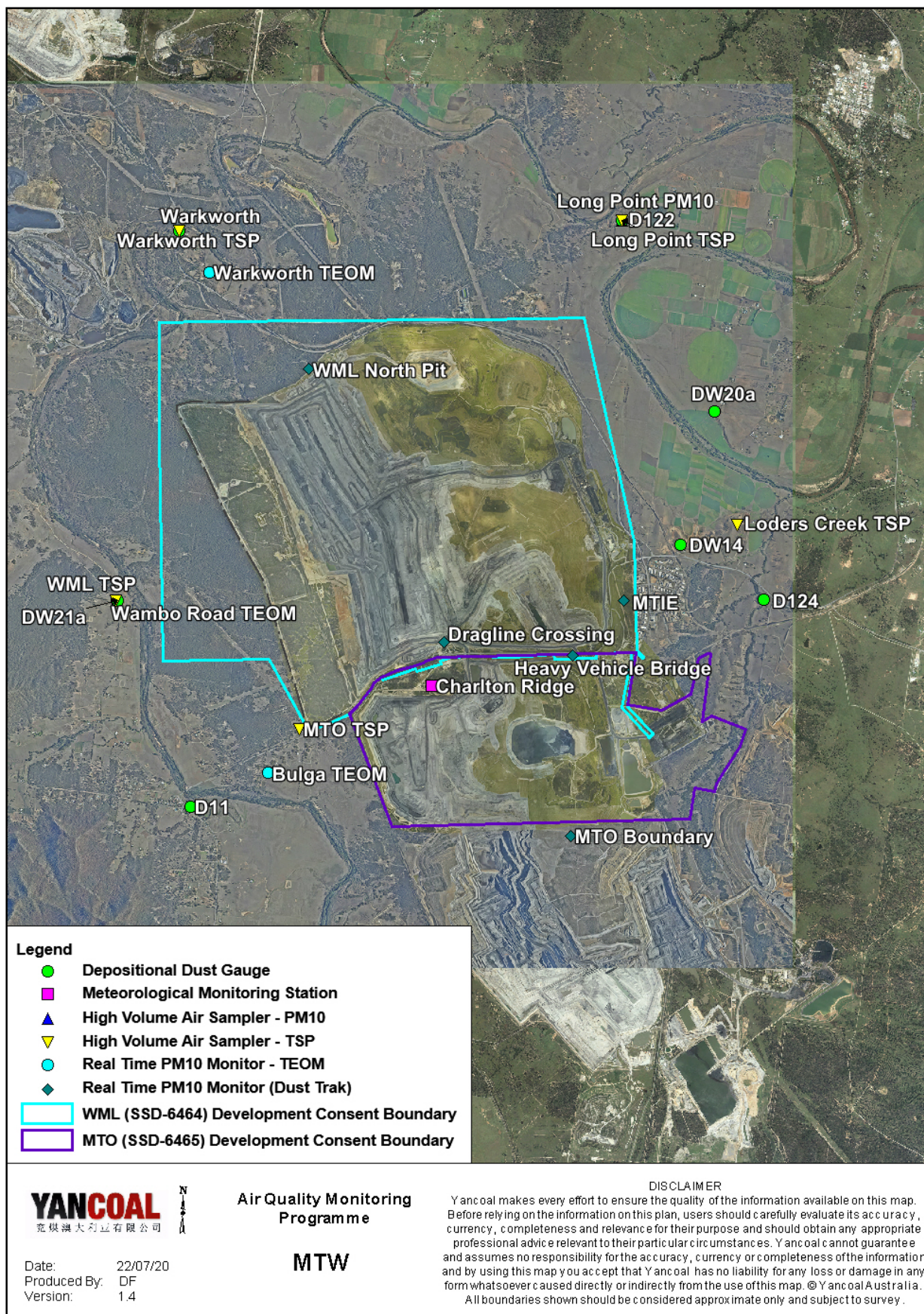
Signed:   
David Moulton  
Yancoal Chief Executive Officer

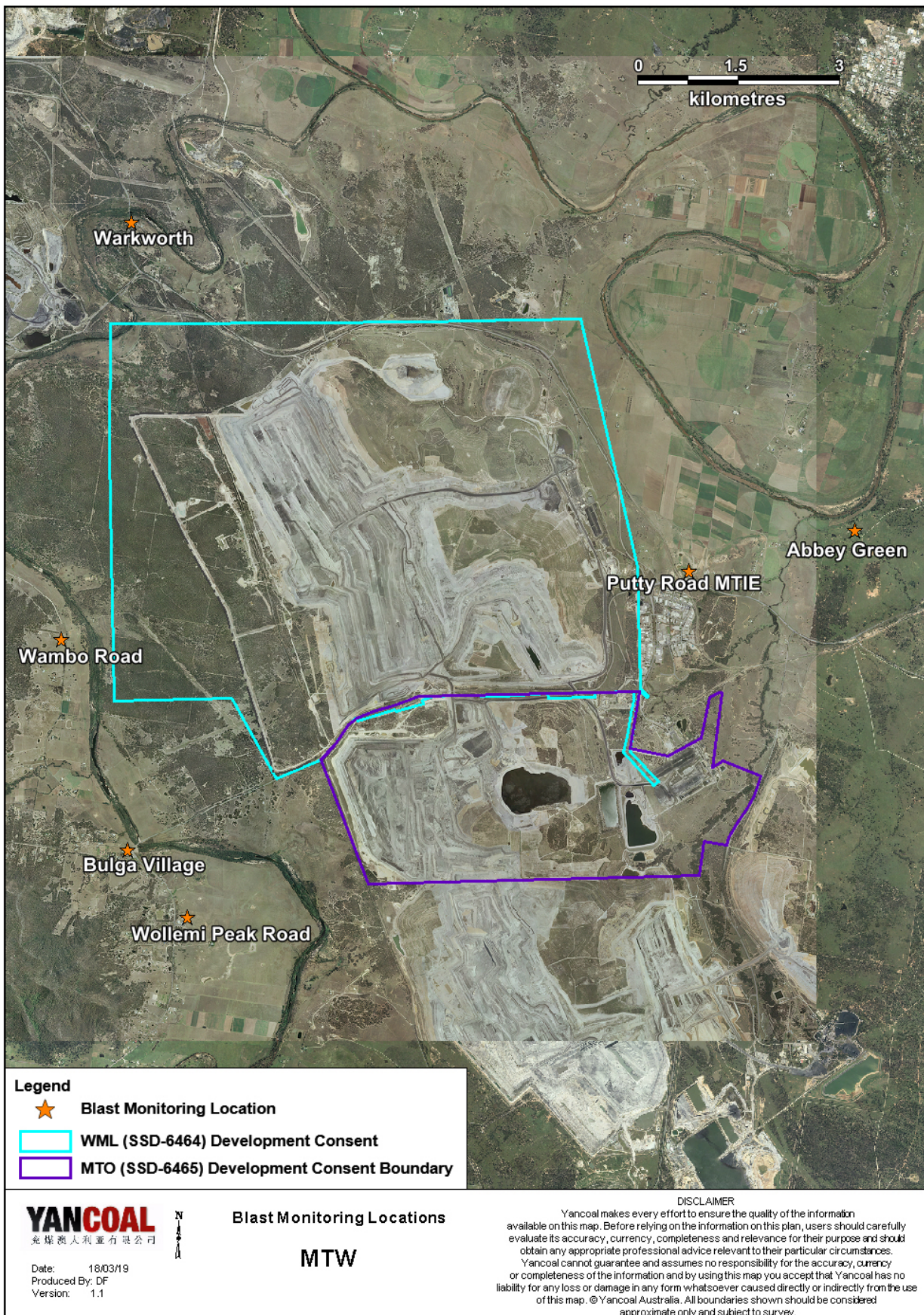
Date: 14 July 2020

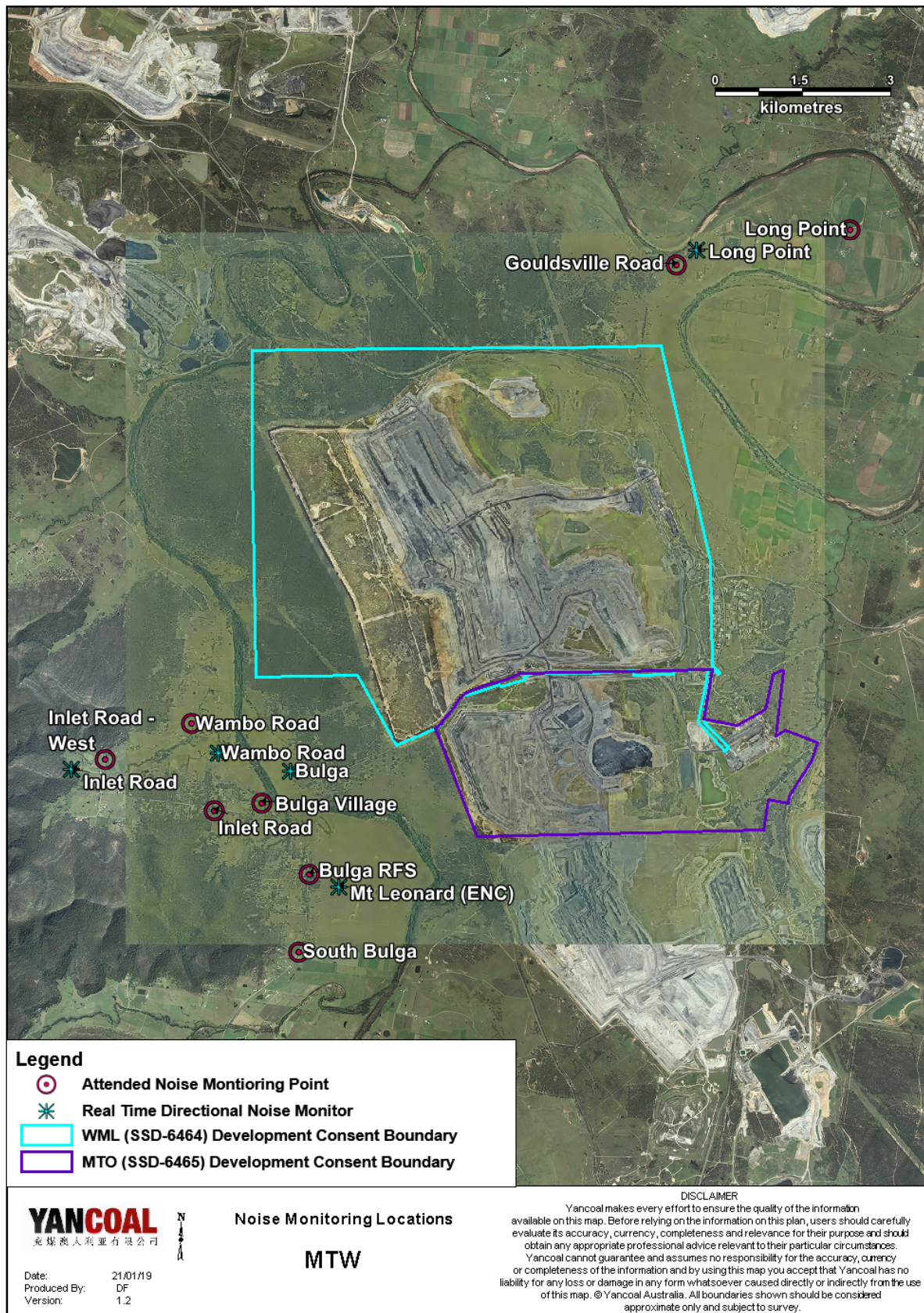


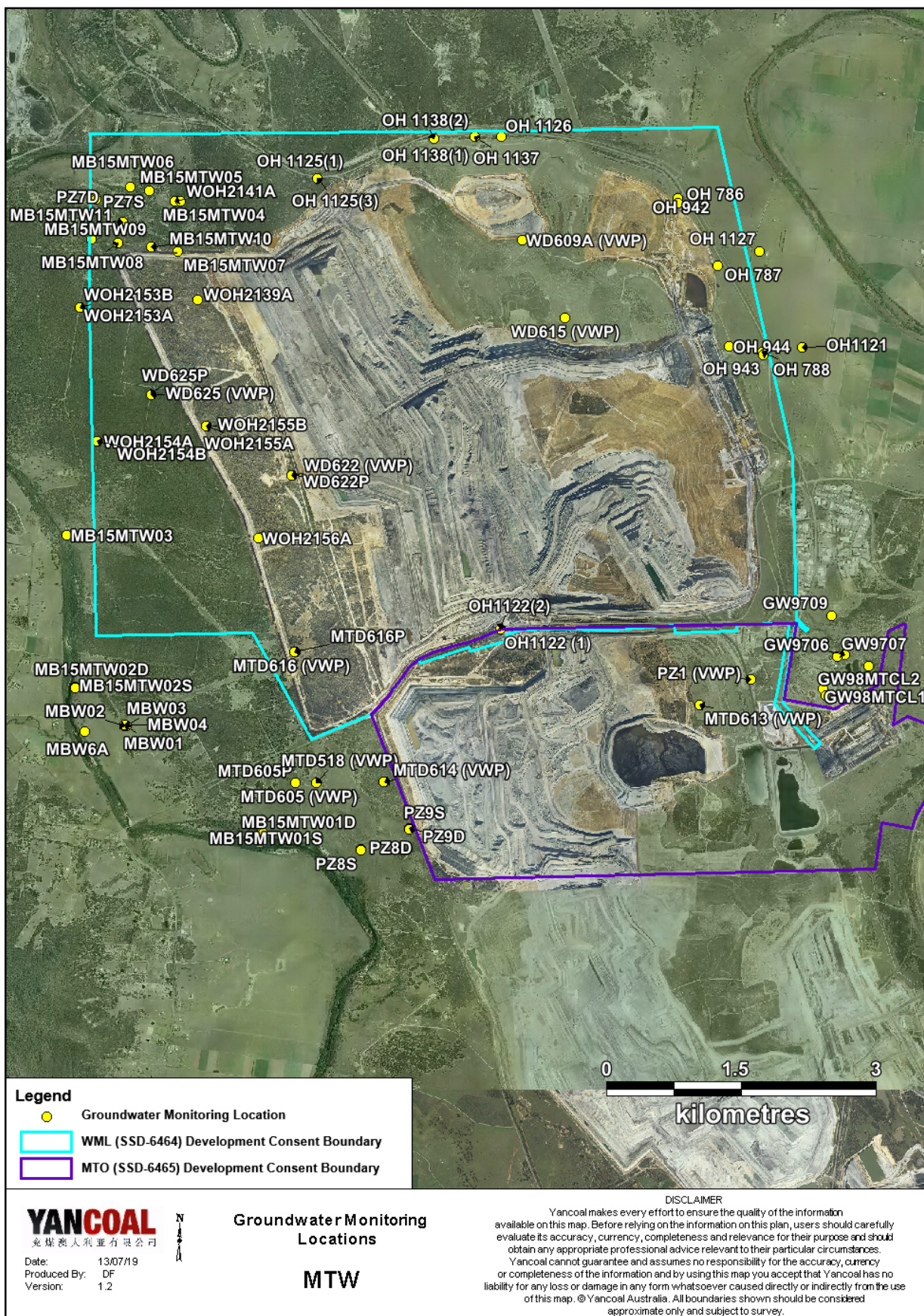
## **Appendix B**

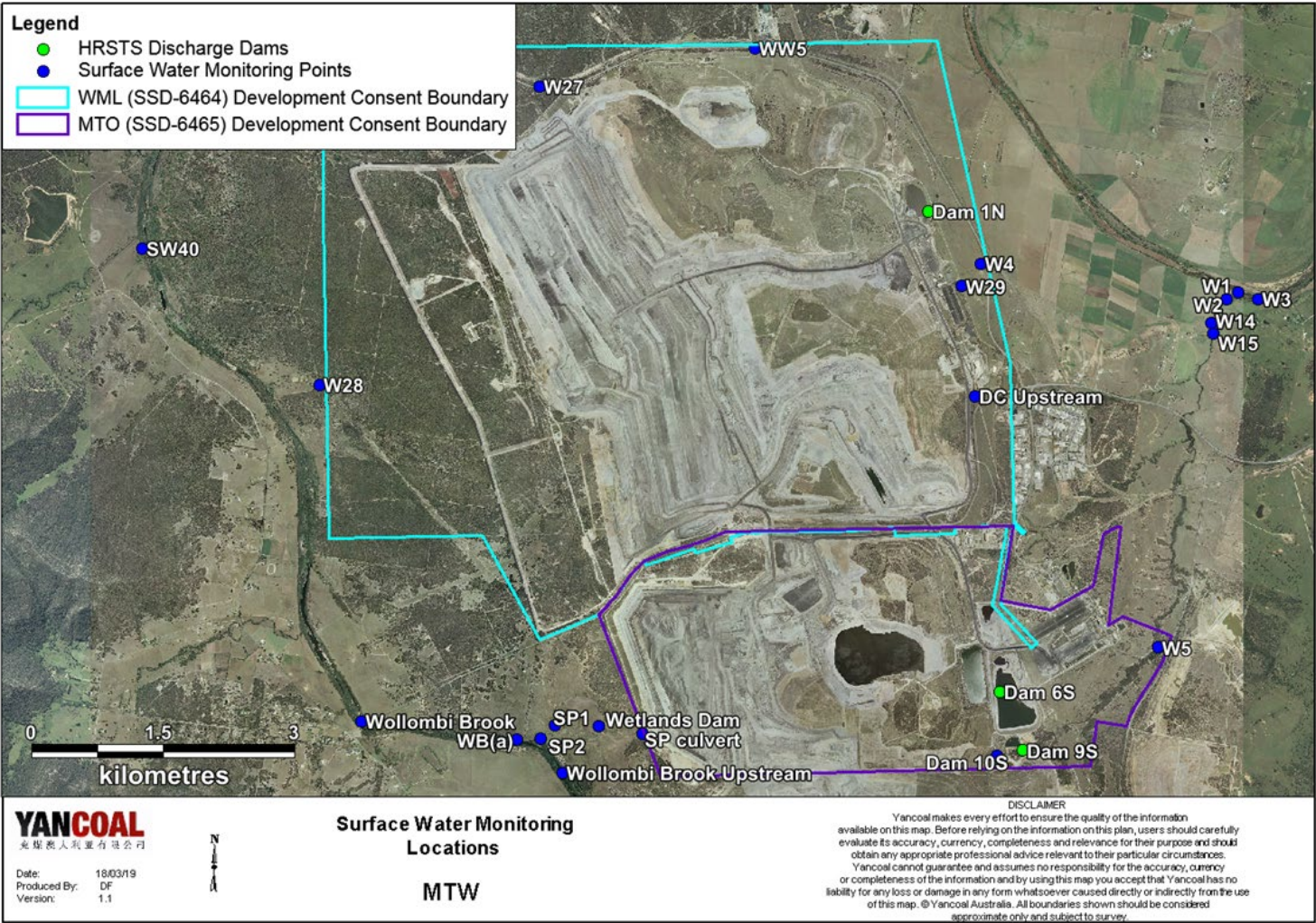
### **Environmental Monitoring Locations / Programs**











## **Appendix C**

### **Warkworth Continuation Project: Development Consent SSD- 6464**

**Appendix D**

**Mount Thorley Continuation Project: Development Consent**

**SSD-6465**

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## **Appendix E**

### **Inclusion of Approved Plans, Strategies and Programs Required by SSD-6464 and SSD-6465**

Approved Plans, strategies and programs are available on the MTW website (<https://insite.yancoal.com.au/>). This includes:

- Noise Management Plan
  - Blast Management Plan
  - Water Management Plan
  - Aboriginal Heritage Management Plan
  - Wollombi Brook Aboriginal Cultural Heritage Conservation Area-Plan of Management
  - Historic Heritage Management Plan
  - Rehabilitation Management Plan (MOP)
  - Biodiversity Management Plan
  - Pollution Incident Response Management Plan (PIRMP -required by POEO Act)
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