

# **Central Queensland Coal Project**

## **Appendix 12a - Draft Construction EMP Structure**

**Supplementary  
Environmental Impact  
Statement**



# Table of Contents

<b>1</b>	<b>Introduction.....</b>	<b>1-3</b>
1.1	Purpose .....	1-3
1.2	Objectives .....	1-3
1.3	Relevance to the Environmental Authority .....	1-3
1.4	Project Overview.....	1-3
1.5	Construction.....	1-3
1.5.1	Contractor Strategy .....	1-3
1.5.2	Construction Schedule .....	1-3
1.5.3	Site Preparation .....	1-3
1.5.4	Construction and Description of Key Infrastructure .....	1-3
<b>2</b>	<b>Environmental Responsibilities.....</b>	<b>2-4</b>
2.1	Legislative Framework.....	2-4
2.1.1	Commonwealth .....	2-4
2.1.2	State.....	2-4
2.2	Approvals .....	2-4
2.3	Entities.....	2-4
2.3.1	Central Queensland Coal.....	2-4
2.3.2	Contractors.....	2-4
2.3.3	Management Structure and Responsibility .....	2-4
2.4	Environmental Management System.....	2-4
<b>3</b>	<b>Environmental Management.....</b>	<b>3-5</b>
3.1	Introduction .....	3-5
3.2	Framework.....	3-5
3.3	Environmental Compliance.....	3-5
3.4	Site Inspection.....	3-5
3.5	Quality Assurance.....	3-5
3.5.1	Self-Assessment Audit.....	3-5
3.5.2	Annual Audit.....	3-5
3.6	Emergency Response Plan.....	3-5
3.7	Environmental Incident Management.....	3-5
3.7.1	Notification and Reporting.....	3-5
3.8	Document Management and Control.....	3-5
3.8.1	Records Management.....	3-5
<b>4</b>	<b>Compliance Tracking.....</b>	<b>4-6</b>
4.1	Communications .....	4-6
4.1.1	Internal/Onsite Environmental Communications.....	4-6
4.1.2	External Communication .....	4-6
<b>5</b>	<b>CEMP Updating.....</b>	<b>5-7</b>
<b>6</b>	<b>Environmental Control Plans.....</b>	<b>6-8</b>
6.1	Air Quality.....	6-8
6.2	Greenhouse Gas Emissions.....	6-8
6.3	Noise and Vibration .....	6-9
6.4	Surface Water Quality.....	6-9
6.5	Groundwater Quality .....	6-10
6.6	General and Hazardous Waste Management .....	6-10
6.7	Flora and Fauna Management.....	6-11
6.8	Aquatic Ecology .....	6-11
6.9	Biosecurity Management.....	6-12

6.10	Visual Amenity.....	6-12
6.11	Contaminated Land.....	6-13
6.12	Erosion and Sediment Control/Soil Resources.....	6-13
6.13	Acid Sulphate Soils.....	6-14
6.14	Cultural Heritage - Indigenous.....	6-14
6.15	Cultural Heritage – Non-Indigenous.....	6-15
6.16	Emergency Management and Response.....	6-15
6.17	Community.....	6-16

## List of Tables

Table 6-1	Air quality control plan.....	6-8
Table 6-2	Greenhouse gas emissions control plan.....	6-8
Table 6-3	Noise control plan.....	6-9
Table 6-4	Surface water control plan.....	6-9
Table 6-5	Groundwater control plan.....	6-10
Table 6-6	General and hazardous waste management control plan.....	6-10
Table 6-7	Flora and fauna control plan.....	6-11
Table 6-8	Aquatic ecology control plan.....	6-11
Table 6-9	Biosecurity control plan.....	6-12
Table 6-10	Visual amenity control plan.....	6-12
Table 6-11	Contaminated land control plan.....	6-13
Table 6-12	Erosion and sediment control/soil resources control plan.....	6-13
Table 6-13	Acid sulphate soils control plan.....	6-14
Table 6-14	Cultural heritage - Indigenous control plan.....	6-14
Table 6-15	Cultural heritage – non-Indigenous control plan.....	6-15
Table 6-16	Emergency management and response control plan.....	6-15
Table 6-17	Community control plan.....	6-16

# **1 Introduction**

---

## **1.1 Purpose**

## **1.2 Objectives**

## **1.3 Relevance to the Environmental Authority**

## **1.4 Project Overview**

## **1.5 Construction**

### **1.5.1 Contractor Strategy**

### **1.5.2 Construction Schedule**

### **1.5.3 Site Preparation**

### **1.5.4 Construction and Description of Key Infrastructure**

## **2 Environmental Responsibilities**

---

### **2.1 Legislative Framework**

#### **2.1.1 Commonwealth**

#### **2.1.2 State**

### **2.2 Approvals**

### **2.3 Entities**

#### **2.3.1 Central Queensland Coal**

#### **2.3.2 Contractors**

#### **2.3.3 Management Structure and Responsibility**

### **2.4 Environmental Management System**

## **3 Environmental Management**

---

### **3.1 Introduction**

### **3.2 Framework**

### **3.3 Environmental Compliance**

### **3.4 Site Inspection**

### **3.5 Quality Assurance**

#### **3.5.1 Self-Assessment Audit**

#### **3.5.2 Annual Audit**

### **3.6 Emergency Response Plan**

### **3.7 Environmental Incident Management**

#### **3.7.1 Notification and Reporting**

### **3.8 Document Management and Control**

#### **3.8.1 Records Management**

## **4 Compliance Tracking**

---

### **4.1 Communications**

#### **4.1.1 Internal/Onsite Environmental Communications**

#### **4.1.2 External Communication**



## 5 CEMP Updating

## 6 Environmental Control Plans

### 6.1 Air Quality

Table 6-1 Air quality control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

### 6.2 Greenhouse Gas Emissions

Table 6-2 Greenhouse gas emissions control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.3 Noise and Vibration

Table 6-3 Noise control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.4 Surface Water Quality

Table 6-4 Surface water control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.5 Groundwater Quality

Table 6-5 Groundwater control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.6 General and Hazardous Waste Management

Table 6-6 General and hazardous waste management control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.7 Flora and Fauna Management

Table 6-7 Flora and fauna control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.8 Aquatic Ecology

Table 6-8 Aquatic ecology control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.9 Biosecurity Management

Table 6-9 Biosecurity control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.10 Visual Amenity

Table 6-10 Visual amenity control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.11 Contaminated Land

Table 6-11 Contaminated land control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.12 Erosion and Sediment Control/Soil Resources

Table 6-12 Erosion and sediment control/soil resources control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.13 Acid Sulphate Soils

Table 6-13 Acid sulphate soils control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.14 Cultural Heritage - Indigenous

Table 6-14 Cultural heritage - Indigenous control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			



## 6.15 Cultural Heritage – Non-Indigenous

Table 6-15 Cultural heritage – non-Indigenous control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.16 Emergency Management and Response

Table 6-16 Emergency management and response control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			

## 6.17 Community

Table 6-17 Community control plan

Objective			
References			
Performance criteria			
Actions			
No.	Actions required	Staff responsible	When
1			
2			
Monitoring			
No.	Actions required	Staff responsible	When
1			
2			
Reporting			
No.	Actions required	Staff responsible	When
1			
2			
Corrective action			
No.	Actions required	Staff responsible	When
1			
2			