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Published on: 6 December 2013

Statement No: 954

**STATEMENT TO AMEND CONDITIONS APPLYING TO A PROPOSAL  
(PURSUANT TO THE PROVISIONS OF SECTION 46 OF THE  
*ENVIRONMENTAL PROTECTION ACT 1986*)**

**EXPANSION OF JURIE GYPSUM MINING OPERATION ML70/1161  
SHIRE OF DANDARAGAN**

**Proposal:** The proposal is to excavate and process gypsum ore and overburden from mining lease 70/1161. Mining operations are proposed to be undertaken annually in the dry season, to excavate a maximum of 130,000 tonnes of material (gypsum ore, water and overburden) per year to a maximum depth of 4 metres. Processing operations are to be undertaken using the facilities in the adjacent mining lease ML70/750.

**Proponent:** CSR Building Products Limited  
  
Australian Company Number 008 631 356

**Proponent Address:** 19 Sheffield Road  
WELSHPOOL WA 6106

**Assessment Number:** 1820

**Previous Assessment Number:** 1619

**Report of the Environmental Protection Authority Number:** 1488

**Previous Report of the Environmental Protection Authority Number:** 1219

**Previous Statement Numbers:** 730, 888

This Statement authorises the implementation of the Proposal described and documented in Columns 1 and 2 of Table 2 of Schedule 1. The implementation of the Proposal is subject to the following implementation conditions and procedures which replace and supersede all previous conditions and procedures of Statements 730 and 888. Schedule 3 details definitions of terms and phrases used in the implementation conditions and procedures.

## **1 Proposal Implementation**

- 1-1 When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Column 3 of Table 2 in Schedule 1, unless amendments to the proposal and the authorised extent of the proposal has been approved under the EP Act.

## **2 Contact Details**

- 2-1 The proponent shall notify the CEO of any change of its name, physical address or postal address for the serving of notices or other correspondence within 28 days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.

## **3 Time Limit for Proposal Implementation**

- 3-1 The proponent shall not commence implementation of the proposal after the expiration of five years from the date of this statement, and any commencement, within this five year period, must be substantial.
- 3-2 Any commencement of implementation of the proposal, within five years from the date of this statement, must be demonstrated as substantial by providing the CEO with written evidence, on or before the expiration of five years from the date of this statement.

## **4 Compliance Reporting**

- 4-1 The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the CEO.
- 4-2 The proponent shall submit to the CEO the compliance assessment plan required by Condition 4-1 at least six months prior to the first compliance assessment report required by Condition 4-6, or prior to implementation, whichever is sooner.

The compliance assessment plan shall indicate:

- (1) the frequency of compliance reporting;
  - (2) the approach and timing of compliance assessments;
  - (3) the retention of compliance assessments;
  - (4) the method of reporting of potential non-compliances and corrective actions taken;
  - (5) the table of contents of compliance assessment reports; and
  - (6) public availability of compliance assessment reports.
- 4-3 The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by Condition 4-1.

- 4-4 The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by Condition 4-1 and shall make those reports available when requested by the CEO.
- 4-5 The proponent shall advise the CEO of any potential non-compliance within seven days of that non-compliance being known.
- 4-6 The proponent shall submit to the CEO the first compliance assessment report 15 months from the date of issue of this statement addressing the 12 month period from the date of issue of this statement and then annually from the date of submission of the first compliance assessment report.

The compliance assessment report shall:

- (1) be endorsed by the proponent's Managing Director or a person delegated to sign on the Managing Director's behalf;
- (2) include a statement as to whether the proponent has complied with the conditions;
- (3) identify all potential non-compliances and describe corrective and preventative actions taken;
- (4) be made publicly available in accordance with the approved compliance assessment plan; and
- (5) indicate any proposed changes to the compliance assessment plan required by Condition 4-1.

## **5 Public Availability of Data**

- 5-1 Subject to Condition 5-2, within a reasonable time period approved by the CEO of the issue of this statement and for the remainder of the life of the proposal the proponent shall make publicly available, in a manner approved by the CEO, all validated environmental data (including sampling design, sampling methodologies, empirical data and derived information products (e.g. maps)) relevant to the assessment of this proposal and implementation of this statement.

- 5-2 If any data referred to in Condition 5-1 contains particulars of:

- (1) a secret formula or process; or
- (2) confidential commercially sensitive information;

the proponent may submit a request for approval from the CEO to not make this data publically available. In making such a request the proponent shall provide the CEO with an explanation and reasons why the data should not be made publically available.

## **6 Extent of Mining**

- 6-1 The proponent shall ensure that no excavation of mining pits occurs outside the Project Development Envelope shown on Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2.
- 6-2 The proponent shall ensure that bunds are constructed around all excavation pits.

- 6-3 The proponent shall ensure that bunds are not constructed and infrastructure is not placed outside the Bunding and Infrastructure Envelope or Project Development Envelope shown on Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2.

## **7 Vegetation and Groundwater**

- 7-1 The proponent shall ensure that implementation of the proposal does not directly or indirectly adversely affect the condition and health of vegetation outside the Fringing Vegetation Boundary shown in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2.
- 7-2 Prior to the expansion of mining outside Area A shown in Figure 3 of Schedule 1 and defined by the geographic coordinates in Schedule 2, or a time otherwise approved by the CEO, the proponent shall prepare and submit a Vegetation and Groundwater Monitoring and Management Plan to the requirements of the CEO on advice of DPaW. The Vegetation and Groundwater Monitoring and Management Plan shall:
- (1) when implemented, substantiate whether Condition 7-1 is being met;
  - (2) detail the proposed methodology, frequency, and timing for monitoring groundwater including spatially defining the location of groundwater monitoring bores;
  - (3) detail the proposed methodology, location, frequency, and timing for monitoring vegetation health and condition, which may be dependent on groundwater levels, including spatially defining the location of vegetation monitoring quadrats;
  - (4) detail a program for review of the proposed frequency and timing of monitoring pursuant to Conditions 7-2(2) and 7-2(3);
  - (5) identify the control groundwater levels, EC and pH at each of the monitoring bores pursuant to Condition 7-2(2); and identify the control vegetation health and condition at each of the monitoring quadrats pursuant to Condition 7-2(3);
  - (6) identify criteria to trigger implementation of management and/or contingency measures to prevent a decline in the condition and health of vegetation outside the Fringing Vegetation Boundary; and
  - (7) identify management and/or contingency measures to be implemented in the event that criteria identified pursuant to Condition 7-2(6) are exceeded.
- 7-3 The proponent shall implement the Vegetation and Groundwater Monitoring and Management Plan and continue implementation until otherwise agreed by the CEO on the advice of DPaW.
- 7-4 In the event that monitoring pursuant to Condition 7-3 indicates criteria identified under Condition 7-2(6) has been exceeded the proponent shall:
- (1) within 7 days implement management and/or contingency measures, identified pursuant to Condition 7-2(7) and continue implementation until criteria pursuant to Condition 7-2(6) are being met, or until otherwise agreed by the CEO; and

- (2) submit details of management and/or contingency measures implemented pursuant to Condition 7-4(1) to the CEO within 14 days of identification that criteria pursuant to Condition 7-2(6) have been exceeded.
- 7-5 The proponent may review and revise the Vegetation and Groundwater Monitoring and Management Plan to the requirements of the CEO.
- 7-6 The proponent shall review and revise the Vegetation and Groundwater Monitoring and Management Plan as and when directed by the CEO.
- 7-7 The proponent shall implement the approved revisions of the Vegetation and Groundwater Monitoring and Management Plan required by conditions 7-5 and 7-6.

## **8 Lake Monitoring**

- 8-1 The proponent shall ensure that the natural lake and mine pit lakes are monitored to provide information on the impacts of mining on the physio-chemistry of the lakes and aquatic flora and fauna of the natural lake.
- 8-2 Prior to the expansion of mining outside Area A shown in Figure 3 of Schedule 1 and defined by the geographic coordinates in Schedule 2, or a time otherwise approved by the CEO, the proponent shall prepare and submit a Lake Monitoring Plan to the requirements of the CEO on the advice of the DPaW. The Plan shall:
  - (1) when implemented, substantiate whether Condition 8-1 is being met;
  - (2) detail the proposed monitoring methodology, frequency and timing and identify and spatially define the monitoring locations and reference sites;
  - (3) detail a program for review of the frequency, and timing of monitoring;
  - (4) monitor the physio-chemical parameters and depth of the natural lake during the hydroperiod. The physio-chemical parameters include salinity, temperature, dissolved oxygen, turbidity, pH and nutrients;
  - (5) monitor the aquatic invertebrate and macroinvertebrate fauna (including microcrustacea), aquatic flora and benthic algal mats in the natural lake during the hydroperiod in conjunction with the monitoring of physio-chemical parameters required by Condition 8-2(4); and
  - (6) monitor the physico-chemical parameters of the mine pit lakes during the natural lakes hydroperiod. The physico-chemical parameters include salinity, temperature, dissolved oxygen, turbidity, pH and nutrients.
- 8-3 The proponent shall implement the approved Lake Monitoring Plan and continue implementation until otherwise agreed by the CEO on advice of DPaW.
- 8-4 The proponent shall provide the results of monitoring undertaken required by Condition 8-3 to the CEO annually.

- 8-5 The proponent may review and revise the Lake Monitoring Plan to the requirements of the CEO.
- 8-6 The proponent shall review and revise the Lake Monitoring Plan as and when directed by the CEO.
- 8-7 The proponent shall implement the approved revisions of the Lake Monitoring Plan required by conditions 8-5 and 8-6.

## **9 Rehabilitation and Closure**

- 9-1 The proponent shall ensure that the mine is closed, decommissioned and rehabilitated consistent with agreed post-mining outcomes and land uses.
- 9-2 Within 12 months of the date of this statement or as otherwise agreed by the CEO the proponent shall prepare a Mine Closure Plan to the requirements of the CEO and in consultation with DMP, DPaW and the Conservation Commission. The Mine Closure Plan shall:
  - (1) when implemented, manage the implementation of the proposal to meet the requirements of Condition 9-1;
  - (2) be prepared in accordance with the Guidelines for Preparing Mine Closure Plans, June 2011 (Department of Mines and Petroleum and Environmental Protection Authority) or its revisions;
  - (3) detail whether bunds will be retained or removed to ensure no adverse effects on the water quality or ecology of the natural lake water body; and
  - (4) include details of the mine pit battering.
- 9-3 The proponent shall implement the approved Mine Closure Plan and continue implementation until otherwise agreed by the CEO.
- 9-4 The proponent may review and revise the Mine Closure Plan to the requirements of the CEO.
- 9-5 The proponent shall review and revise the Mine Closure Plan as and when directed by the CEO and on the advice of the DMP.
- 9-6 The proponent shall implement the approved revisions of the Mine Closure Plan required by conditions 9-4 and 9-5.

## **10 Offsets**

- 10-1 In view of the significant residual impacts and risks to a Conservation Reserve and Conservation Category Wetland as a result of implementation of the proposal, the proponent shall contribute funds for research and on ground management of wetlands.
- 10-2 The proponent shall provide funding to a party approved by the CEO for development and implementation of a Wetland Research and Management Plan in accordance with the following schedule:
  - (1) \$138,600 prior to expansion of mining outside Area A within Mining Lease 70/1161; and

- (2) \$138,600 within two months of disturbing more than 20 hectares outside Area A within Mining Lease 70/1161, or three years after commencement of mining outside Area A within Mining Lease 70/1161, whichever is the sooner.

[Signed 5 December 2013]

Albert Jacob MLA  
**MINISTER FOR ENVIRONMENT; HERITAGE**

Table 1: Summary of the Proposal

<b>Proposal Title</b>	Expansion of the Jurien Gypsum mining operation ML70/1161, Shire of Dandaragan.
<b>Short Description</b>	The proposal is to excavate and process gypsum ore and overburden from mining lease 70/1161. Mining operations are proposed to be undertaken annually in the dry season, to excavate a maximum of 130,000 tonnes of material (gypsum ore, water and overburden) per year to a maximum depth of 4 metres. Processing operations are to be undertaken using the facilities in the adjacent mining lease ML70/750.

Table 2: Location and authorised extent of physical and operational elements

<b>Column 1 Element</b>	<b>Column 2 Location</b>	<b>Column 3 Authorised Extent</b>
Mine pit and dewatering excavation	Figure 2 and geographic coordinates of the Project Development Envelope detailed in Schedule 2.	Not more than 43.5 hectares within the Project Development Envelope.
Positioning of bunds and infrastructure (including minor non-mining excavation)	Figure 2 and geographic coordinates of the Bunding and Infrastructure Envelope and Project Development Envelope detailed in Schedule 2.	<p>Not more than 4.1 hectares within the Bunding and Infrastructure Envelope.</p> <p>Bunds are to be constructed to maintain a physical barrier between the mined and unmined lake to limit the opportunity of mixing of pit and lake water.</p> <p>Bunds are to be positioned within the Bunding and Infrastructure Envelope and the Project Development Envelope.</p>
Processing areas	Figure 2 and geographic coordinates of the Processing Envelope detailed in Schedule 2	All weather works area; material handling plant; and stockpiles.
Monitoring sites	Defined in the approved Vegetation and Groundwater Monitoring and Management Plan pursuant to Condition 7.	Groundwater and vegetation monitoring sites pursuant to Condition 7.



## **Figures**

Figure 1 Regional location map

Figure 2 Project Envelopes

Figure 3 Area A

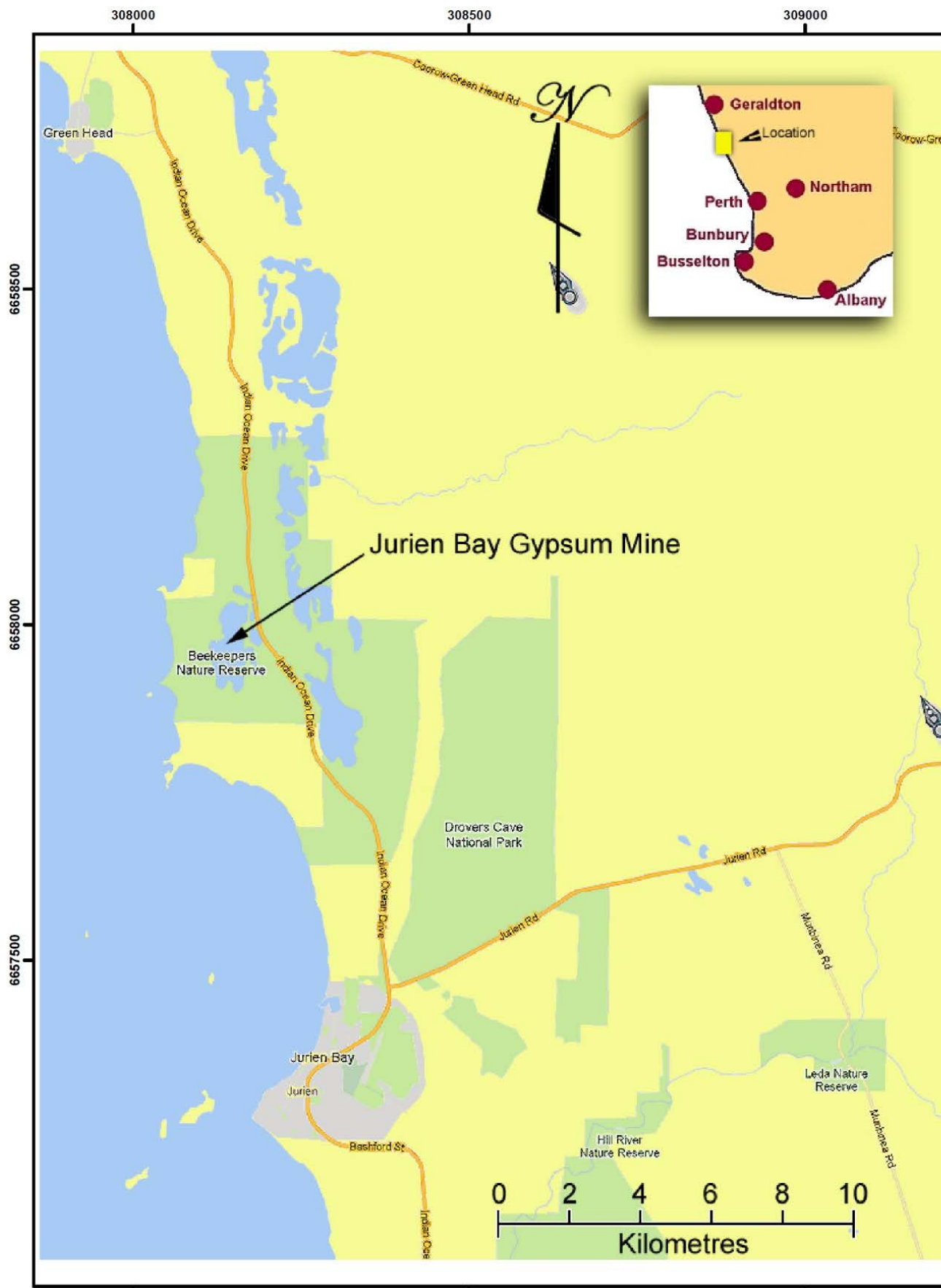


Figure 1 Regional location map



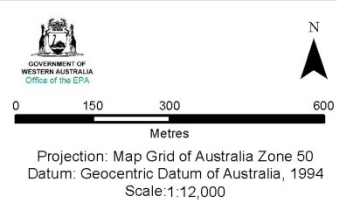


#### LEGEND

- Tenement Area
- Project Development Envelope
- Bunding and Infrastructure Envelope
- Fringing Vegetation boundary
- Processing Envelope

**SOURCE DATA**  
SLIP: Hill River 1937 Aug 2010 Mosaic  
File No: 20130701\_OEPA2010\_001048  
Location Path: I:\Projects\epas\custodial\_data\  
eia\data\_workdata\_from\_proponent\213393\_  
Jurien\_Gypsum\_s46

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#### LOCALITY MAP



Figure 2 Project Envelopes





Figure 3      Area A

## **Schedule 2**

### **EXPANSION OF JURIEN GYPSUM MINING OPERATION ML70/1161 SHIRE OF DANDARAGAN**

**Coordinates that define the Project Development Envelope**

**Coordinates that define the Bunding and Infrastructure Envelope**

**Coordinates that define the Fringing Vegetation Boundary**

**Coordinates that define the Processing Envelope**

**Coordinates that define “Area A”**

Coordinates defining the Project Development Envelope, Bunding and Infrastructure Envelope, Fringing Vegetation Boundary, Processing Envelope, and Area A are held by the Office of the EPA, dated 28 August 2013.

### Schedule 3

Term or Phrase	Abbreviations and definitions
CEO	The Chief Executive Officer of the Department of Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or his delegate.
DMP	<i>Department of Mines and Petroleum</i>
DPaW	<i>Department of Parks and Wildlife</i>
EC	Electrical Conductivity
EPA	<i>Environmental Protection Authority</i>
EP Act	the <i>Environmental Protection Act 1986</i>
hydroperiod	When the natural lake has a depth of 0.1 metre or more. Monitoring method and location to be agreed with DPaW.
pH	Measure of acidity
Area A	Area shown in Figure 3 and delineated by coordinates in Schedule 2.