

**Division 9: Extractive Industry Code****About the Extractive Industry Code**

- The Extractive Industry Code regulates Extractive Industry uses, whether they are Self assessable, Code assessable or Impact assessable.
- The Code regulates the location of such uses, and the potential impacts upon water quality, road infrastructure and use, and the amenity of adjoining land uses.

**(1) Extractive Industry Code**

The provisions in this division comprise the Extractive Industry Code. They are:

- (i) The Purpose of the Extractive Industry Code – Section (2); and
- (ii) The Specific Outcomes, Probable Solutions and Acceptable Solutions for Extractive Industry development – Table 6.9.1.

**(2) The Purpose of the Extractive Industry Code**

The purpose of the Extractive Industry Code is to achieve the following overall outcomes;

- (i) Extractive resources and the access to extractive resources, are protected from the encroachment of incompatible land uses;
- (ii) Extractive resources are exploited in an efficient and responsible manner;
- (iii) Haulage routes are adequate to accommodate the traffic demands of extractive industries; and
- (iv) The extraction of materials is undertaken without significant adverse environmental impacts; and
- (v) Rehabilitation of sites after the extraction of material achieves a stable land form, suitable to intended uses in the relevant Zone, Precinct or Area or for recreation and sport purposes.

TABLE 6.9.1 EXTRACTIVE INDUSTRY CODE

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Specific outcomes (S) for Code and Impact assessable development	Probable Solutions (P) for Code and Impact assessable development; and Acceptable Solutions (A) for Self assessable development. (where Self assessable development does not meet the Acceptable Solutions in the applicable codes, it requires Code assessment. Refer to Section 1.2.9).
All Extractive Industries <sup>112</sup>	
<b>Operation</b>	
<p><b>S1</b> The development of the site; (i) Protects the natural environment; (ii) Minimises potentially adverse impacts on sensitive environments and uses in the surrounding area; and (iii) Does not compromise public safety.</p>	<p><b>P1.1</b> Hard rock extraction involving blasting, and processing activities are setback 50m from any road or any land that is not being used for extractive industry purposes.</p> <p><b>P1.2</b> Blasting is limited to Monday – Saturday 9am to 5pm.</p> <p><b>P1.3</b> Blasting does not result in materials escaping or being ejected from the site.</p> <p><b>P1.4</b> Operations do not occur on Sundays or public holidays.</p> <p><b>P1.5</b> Security fencing is provided for the full length of the perimeter of the site area, enclosing all extraction sites and stockpiles.</p> <p><b>P1.6</b> A vegetation buffer of 10m is retained or provided around the perimeter of the site to screen the operations from adjoining properties and public land.</p> <p><b>P1.7</b> Weed control practices and plant and equipment cleaning and inspection protocols, as set out in the <i>Queensland Guideline for Limiting Weed Seed Spread</i> (DNR2000), are implemented to avoid the introduction and spread of weeds along haul routes and at delivery points.</p>
<b>Amenity</b>	
<p><b>S2</b> The development is designed and operated in a manner that minimises impacts on the surrounding area due to; (i) Noise; (ii) Air pollution; (iii) Visual intrusion; and (iv) Vibration.</p>	<p><b>P2.1</b> No Solution is specified.</p>
<b>Water Quality</b>	
<p><b>S3</b> Water from, around and within the area of operation is managed so that it does not adversely affect the quantity and quality of groundwater or receiving surface waters.</p>	<p><b>P3.1</b> Extraction of materials is managed to avoid any loss of hydraulic head in any aquifer intercepted by the extractive operations.</p> <p><b>P3.2</b> Erosion and stormwater control measures are designed and constructed in accordance with the <i>Soil Erosion and Sediment Control – Engineering Guidelines for Queensland Construction Sites 1996</i>.</p>

<sup>112</sup> To demonstrate compliance with the specific outcomes and probable solutions, a report prepared in accordance with Division 9 - Schedule A – Extractive Industry Assessment Reports will be required to be submitted with the application for assessment.

TABLE 6.9.1 EXTRACTIVE INDUSTRY CODE (continued)	
Specific outcomes (S) for Code and Impact assessable development	Probable Solutions (P) for Code and Impact assessable development; and Acceptable Solutions (A) for Self assessable development. (where Self assessable development does not meet the Acceptable Solutions in the applicable codes, it requires Code assessment. Refer to Section 1.2.9).
<i>All Extractive Industries<sup>113</sup></i>	
<b>Haulage</b>	
<p><b>S4</b> The transportation of materials from the site is with minimal impact upon the environment, the road system and premises along the haulage route.</p>	<p><b>P4.1</b> The development has road access that:</p> <ul style="list-style-type: none"> <li>(i) Is of a standard sufficient to carry traffic of the nature that the extractive industry use would be likely to generate;</li> <li>(ii) Does not cause adverse impacts on premises along the haulage route, in particular due to the effects of dust and noise; and</li> <li>(iii) Does not compromise traffic safety in the area.</li> </ul>
<b>Rehabilitation</b>	
<p><b>S5</b> The rehabilitation of development sites; (i) Includes the staged revegetation of areas where extraction is completed; and (ii) Results in a land form after extraction is completed, that is suitable for uses intended for that Zone, Precinct or Area.</p>	<p><b>P5.1</b> Disused buildings and structures are removed from the site after extraction is completed.</p> <p><b>P5.2</b> As extraction is completed in some parts of the site area, these areas are revegetated prior to, the commencement of operations on other parts of the site area.</p>

<sup>113</sup> To demonstrate compliance with the specific outcomes and probable solutions, a report prepared in accordance with Division 9 - Schedule A – Extractive Industry Assessment Reports will be required to be submitted with the application for assessment.

**Division 9: Schedule A*****Extractive Industry Assessment Report Requirements***

An Extractive Industry Assessment Report is required to be prepared for the assessment of development applications for all Extractive Industry developments, and is to provide information on those of the following that are relevant to the proposed development:

The site:

1. A scaled plan of the site indicating the location of:
  - Economic resources to be extracted and any proposed staging of extraction and development;
  - Site access and any proposed roads within the site;
  - Proposed buildings, infrastructure and stockpiling areas; and
  - Other storage and servicing areas.

The proposal:

2. A description about the resource proposed to be extracted, and where necessary due to the scale of the proposal, supported by geological and geo-technical information;
3. Details on the amount of material to be extracted;
4. Details of the proposed method of extraction eg. Blasting
5. Details of any proposed processing on site eg. Screening, crushing
6. Details of the proposed transportation methods of material including vehicular size, frequency of trips and proposed haulage routes;
7. Proposed methods of removing material or refuse from the site.

Impacts on amenity:

8. Details of all noise sources;
9. Proposed noise attenuating measures, with consideration of surrounding land uses, to minimise noise emissions from the site;
10. Details of the proposed hours of operation;
11. The extent of landscaping buffers (existing or proposed vegetation) to screen the development;
12. Details of proposed lighting on site.

Impacts on environmental values:

13. Proposals for water management, including waste water management and protection of water quality and overland flow paths;
14. Methods of controlling stormwater flows on the site and external to the site (which depending on the scale of the proposal may require the preparation of an hydraulic study to ascertain the impacts on overland flows);
15. Projected impacts on groundwater;
16. The extent of required vegetation clearing, shown on a scaled site plan;
17. Proposals for the management of weeds and to minimise the risk of introduction and spread of weeds;
18. Evaluation of impacts on the ecological values of the site and surrounding area;
19. Details of proposed monitoring of environmental impacts in all phases of the development.

Risks and Hazards:

20. Proposals for ensuring the safety of the public, both on the site and from any effects of the development external to the site.

Rehabilitation:

21. Proposals, including plans, for the progressive and final planting and site rehabilitation.

The required detail and complexity of the above information will vary between different sites and proposals, but is to be sufficient to demonstrate compliance with the Overall Outcomes, Specific Outcomes and Probable Solutions of the Extractive Industry Code.