

## **Successful September quarter sets up Noble for gold production in 2011**

### **Quarterly Highlights**

- **Acquisition of Bibiani Gold Project in Ghana completed**
- **Refurbishment of 2.7Mtpa mill underway**
- **Aggressive drilling program in place to increase 1.98Moz resource and 605,000oz reserve**
- **First production scheduled for 2011; Set for steady-state production of 150,000oz a year in 2012**

Noble Mineral Resources (ASX:NMG) has completed a pivotal quarter in its evolution, with a series of accomplishments which have put the Company on track to start gold production in 2011, ramping up to 150,000 ounces a year by 2012.

Noble began the September quarter having raised \$40.2 million through a share placement and share purchase plan, with a further \$22 million expected to be raised over the coming year via short-dated options.

This substantial cash inventory enabled the Company to complete the acquisition of the Bibiani Gold Project in Ghana. It also ensured Noble had sufficient funds to refurbish the 2.7Mtpa processing plant at Bibiani and undertake a full feasibility study on the project.

Refurbishment of the process plant at Bibiani commenced immediately the transfer of ownership was completed and with the support of Mineral Processors (WA) Pty Ltd, a detailed refurbishment plan was implemented. Long lead time equipment required was selected and orders were placed to ensure the upgrade will be completed within the planned 44-week period.

The feasibility study includes an extensive drilling program which is aimed at growing the current resource base of 1.98 million ounces and converting more of this into reserves, which stand at 605,000oz (*see appendix 1 and 2*).

Much of the drilling is being done under and around the main pit at Bibiani. Initial results have shown that the mineralisation extends west of the current open pit optimisation. As this is established with further drilling, the pit design can be pushed west, which will in turn provide

access to known mineralisation under the planned pit floor with mineralisation remaining open at depth.

The drilling also seeks to prove up further resources and reserves around known zones of mineralisation along strike from the main pit (see *figure 1*). This process has been boosted enormously by the acquisition of two drilling rigs, giving Noble greater operational and cost control of its exploration program.

Since the involvement of Noble in the operations at Bibiani in December 2009, several underground diamond drill holes have been drilled from the decline access workings beneath the Bibiani Main Pit. Assays were not submitted for sampling until the time of Noble's formal takeover of control on July 27 2010.

Drill intercept highlights are listed in the table below:

| Hole_ID  | Depth from | Depth to | Length | Grade (g/t) |
|----------|------------|----------|--------|-------------|
| 9LUDP08  | 63m        | 69m      | 6m     | 3.94        |
| 9LUDP11  | 90m        | 93m      | 3m     | 6.66        |
| 9LUHQ01  | 17m        | 41m      | 25m    | 2.84        |
| includes | 21m        | 25m      | 4m     | 5.32        |
| 9LUHQ03  | 31m        | 45m      | 14m    | 4.88        |
| includes | 39m        | 45m      | 5m     | 5.88        |
| 9LUDP10  | 78m        | 79m      | 1m     | 1.55        |
| 9LUDP09  | 42m        | 43m      | 1m     | 0.53        |

The area defined in this drilling currently lies underneath and to the side of the currently defined optimised open pit, to the west of where the pit reaches the 9 Level workings by some 125m. Noble is confident that with further definition along strike to the north in the undrilled area this mineralisation can be brought into the pit optimisation. Important to note is the fact that no drilling has been done in the material vertically above this lode system in the pit optimisation, and that this area is a priority for Noble.

As part of the push to begin production at Bibiani, Noble has been building a project team comprising people who are highly experienced in the areas of plant refurbishment and operation, geology and mine engineering.

In mid-June, Noble recruited Phillip Schiemer as Group Geologist, removing the Company's reliance on external consultants in this field. Mr Schiemer is in the throes of conducting a full geological review at Bibiani.

In the December quarter, Noble will focus heavily on the drilling campaign in preparation for a resource and reserve upgrade in the new year, while also advancing the refurbishment of the mill.



Noble Managing Director Wayne Norris said the September quarter was a turning point for the Company on its path to becoming a 150,000oz a year gold producer.

“The completion of the Bibiani acquisition, strong drilling results which highlight the huge scope to grow our resource and reserve inventory and significant progress in the refurbishment of our mill have combined to make it an extremely successful period for Noble,” Mr Norris said.

“With the acquisition of our own rigs, we are pushing ahead flat out with a 30,000m drilling campaign which is expected to take six months and target extensions to known mineralisation within 650m of the plant.

“I look forward to providing investors with a strong flow of news over this period, culminating in the start of production next year.”

## **CORPORATE**

### **Cash Position**

At 30 September, 2010, Noble had the following Australian dollar amounts available;

Cash at Bank \$25.434 million  
Bonds and other \$2.745 million  
Total Cash and Equivalents \$28.179 million

### **Authorised by:**

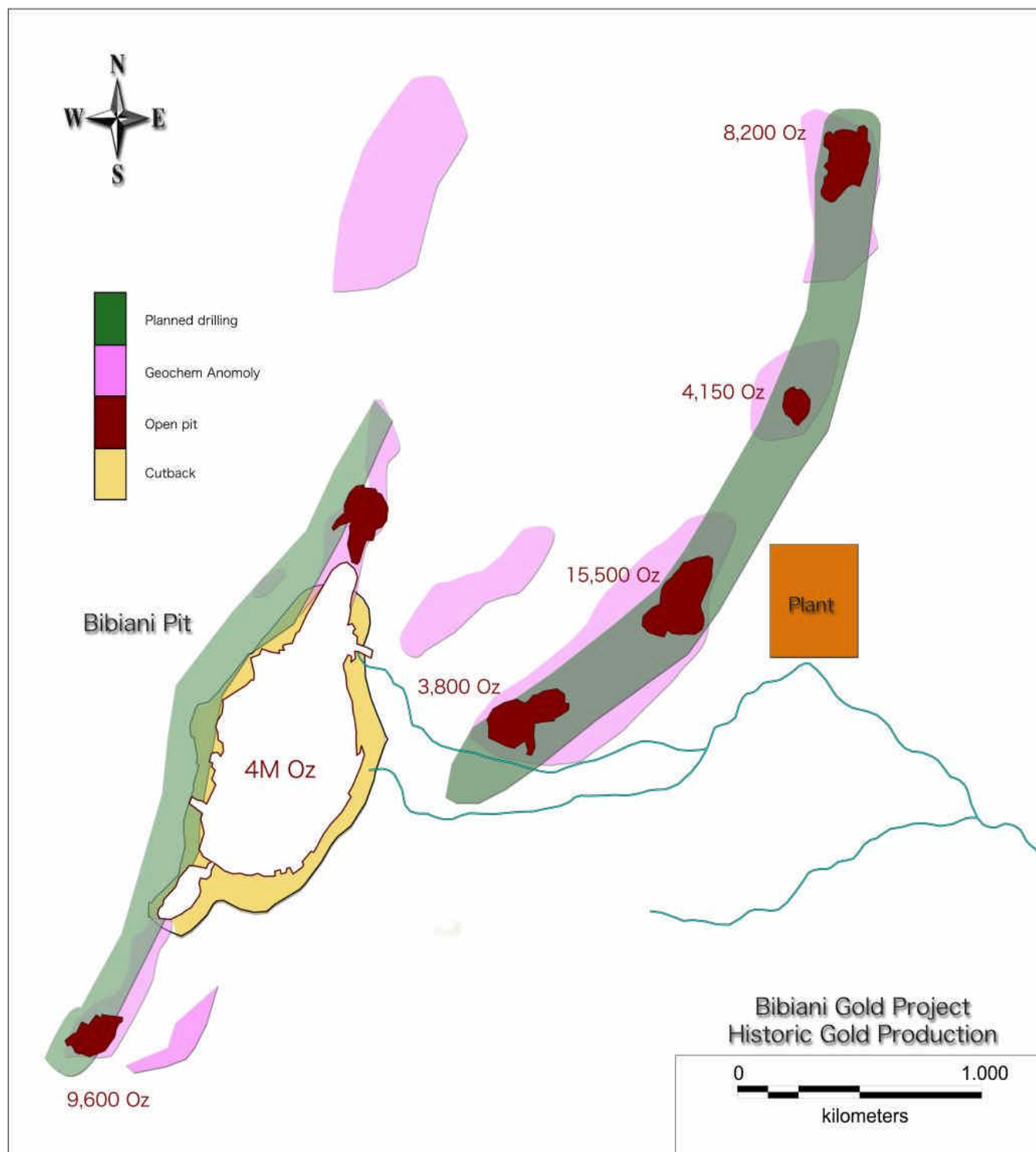
**Wayne Norris**  
*Managing Director*

### **Competent Person's Statement**

The information in this report that relates to Mineral Resource and Ore Reserve estimates is based on information compiled by Mr Phillip Schiemer (BSc (Hons), Geology and Geophysics), who is a Corporate Member of the Australasian Institute of Mining and Metallurgy and a member of the Australian Institute of Geoscientists. Mr Schiemer is employed by Noble Mineral Resources Ltd, and has sufficient experience which is relevant to the style of mineralisation being reported herein as Mineral Resources, Ore Reserves and Exploration Results to qualify as a Competent Person as defined in the 2004 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr Schiemer consents to the inclusion in this announcement of the matters based on his information in the form and content in which it appears.



*Figure 1 – Planned Drilling*







*Appendix 1 – Proved and Probable Ore Reserves as at March 2010*

| <b>Bibiani Open Pit Detailed Design Cutback Proved and Probable Ore Reserves – March 2010</b> |             |             |              |             |             |              |             |             |              |              |             |              |
|-----------------------------------------------------------------------------------------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|--------------|-------------|--------------|
|                                                                                               | Oxide       |             |              | Fresh       |             |              | Fill        |             |              | Total        |             |              |
|                                                                                               | Tonnes      | Grade       | Ounces       | Tonnes      | Grade       | Ounces       | Tonnes      | Grade       | Ounces       | Tonnes       | Grade       | Ounces       |
|                                                                                               | Mt          | G/t         | Mozs         | Mt          | G/t         | Mozs         | Mt          | G/t         | Mozs         | Mt           | G/t         | Mozs         |
| Proved                                                                                        | -           | -           | -            | 3.45        | 2.29        | 0.254        | -           | -           | -            | 3.454        | 2.29        | 0.254        |
| Probable                                                                                      | 0.30        | 1.45        | 0.014        | 4.40        | 2.28        | 0.323        | 0.25        | 1.79        | 0.014        | 4.946        | 2.21        | 0.351        |
| <b>Total</b>                                                                                  | <b>0.30</b> | <b>1.45</b> | <b>0.014</b> | <b>7.85</b> | <b>2.28</b> | <b>0.577</b> | <b>0.25</b> | <b>1.79</b> | <b>0.014</b> | <b>8.400</b> | <b>2.24</b> | <b>0.605</b> |
| <i>Derived from Measured and Indicated Mineral Resources using a cut-off grade of 0.7g/t</i>  |             |             |              |             |             |              |             |             |              |              |             |              |

*Appendix 2 - March 2010 JORC Mineral Resource Estimate*

|              | TONNAGE          | GRADE       | METAL        | CONT'D GOLD      |
|--------------|------------------|-------------|--------------|------------------|
|              | Tonnes (million) | (Au g/t)    | (tonnes Au)  | Ounces (million) |
| Measured     | 6.56             | 2.05        | 13.44        | 0.43             |
| Indicated    | 13.37            | 1.77        | 23.66        | 0.76             |
| Inferred     | 13.06            | 1.89        | 24.61        | 0.79             |
| <b>Total</b> | <b>32.98</b>     | <b>1.87</b> | <b>61.70</b> | <b>1.98</b>      |

# Appendix 5B

## Mining exploration entity quarterly report

Introduced 1/7/96. Origin: Appendix 8. Amended 1/7/97, 1/7/98, 30/9/2001, 01/06/10.

Name of entity

**NOBLE MINERAL RESOURCES LIMITED**

ABN

**36 124 893 465**

Quarter ended ("current quarter")

**30 September 2010**

### Consolidated statement of cash flows

| <b>Cash flows related to operating activities</b> |                                                            | Current quarter<br>\$A'000 | Year to date<br>(3 months)<br>\$A'000 |
|---------------------------------------------------|------------------------------------------------------------|----------------------------|---------------------------------------|
| 1.1                                               | Receipts from product sales and related debtors            |                            |                                       |
| 1.2                                               | Payments for (a) exploration & evaluation                  | (42)                       | (42)                                  |
|                                                   | (b) development                                            | (5,067)                    | (5,067)                               |
|                                                   | (c) production                                             | -                          | -                                     |
|                                                   | (d) administration                                         | (1,565)                    | (1,565)                               |
| 1.3                                               | Dividends received                                         |                            |                                       |
| 1.4                                               | Interest and other items of a similar nature received      | 294                        | 294                                   |
| 1.5                                               | Interest and other costs of finance paid                   |                            |                                       |
| 1.6                                               | Income taxes paid                                          |                            |                                       |
| 1.7                                               | Other (provide details if material)                        |                            |                                       |
| <b>Net Operating Cash Flows</b>                   |                                                            | <b>(6,380)</b>             | <b>(6,380)</b>                        |
| <b>Cash flows related to investing activities</b> |                                                            |                            |                                       |
| 1.8                                               | Payment for purchases of: (a) prospects                    |                            |                                       |
|                                                   | (b) equity investments                                     |                            |                                       |
|                                                   | (c) other fixed assets                                     | (2,424)                    | (2,424)                               |
| 1.9                                               | Proceeds from sale of: (a) prospects                       |                            |                                       |
|                                                   | (b) equity investments                                     |                            |                                       |
|                                                   | (c) other fixed assets                                     |                            |                                       |
| 1.10                                              | Loans to other entities                                    | (5,491)                    | (5,491)                               |
| 1.11                                              | Loans repaid by other entities                             |                            |                                       |
| 1.12                                              | Other (cash acquired on acquisition of subsidiary)         | 2,746                      | 2,746                                 |
| <b>Net investing cash flows</b>                   |                                                            | <b>(5,169)</b>             | <b>(5,169)</b>                        |
| 1.13                                              | Total operating and investing cash flows (carried forward) | <b>(11,549)</b>            | <b>(11,549)</b>                       |

+ See chapter 19 for defined terms.

**Appendix 5B**  
**Mining exploration entity quarterly report**

|      |                                                            |               |               |
|------|------------------------------------------------------------|---------------|---------------|
| 1.13 | Total operating and investing cash flows (brought forward) | (11,549)      | (11,549)      |
|      | <b>Cash flows related to financing activities</b>          |               |               |
| 1.14 | Proceeds from issues of shares, options, etc.              |               |               |
| 1.15 | Proceeds from sale of forfeited shares                     |               |               |
| 1.16 | Proceeds from borrowings                                   | 1,001         | 1,001         |
| 1.17 | Repayment of borrowings                                    | (125)         | (125)         |
| 1.18 | Dividends paid                                             |               |               |
| 1.19 | Other (provide details if material)                        |               |               |
|      | <b>Net financing cash flows</b>                            | 876           | 876           |
|      | <b>Net increase (decrease) in cash held</b>                | (10,673)      | (10,673)      |
| 1.20 | Cash at beginning of quarter/year to date                  | 36,071        | 36,071        |
| 1.21 | Exchange rate adjustments to item 1.20                     | 36            | 36            |
| 1.22 | <b>Cash at end of quarter</b>                              | <b>25,434</b> | <b>25,434</b> |

**Payments to directors of the entity and associates of the directors**

**Payments to related entities of the entity and associates of the related entities**

|      |                                                                  |                            |
|------|------------------------------------------------------------------|----------------------------|
|      |                                                                  | Current quarter<br>\$A'000 |
| 1.23 | Aggregate amount of payments to the parties included in item 1.2 | 570                        |
| 1.24 | Aggregate amount of loans to the parties included in item 1.10   | -                          |

1.25 Explanation necessary for an understanding of the transactions

|                                                |     |
|------------------------------------------------|-----|
| Director's remuneration                        | 525 |
| Services provided by director-related entities | 45  |
|                                                |     |

**Non-cash financing and investing activities**

2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

On 8 July 2010 the Company issued 4,000,000 shares and 6,000,000 options as part consideration for the acquisition of 100% interest in Central African Gold Ghana Limited ("CAGG"), the owner of the Bibiani Gold Project.

2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

N/A

+ See chapter 19 for defined terms.

### Financing facilities available

Add notes as necessary for an understanding of the position.

|                                 | Amount available<br>\$A'000 | Amount used<br>\$A'000 |
|---------------------------------|-----------------------------|------------------------|
| 3.1 Loan facilities             | -                           | -                      |
| 3.2 Credit standby arrangements | -                           | -                      |

### Estimated cash outflows for next quarter

|                                | \$A'000      |
|--------------------------------|--------------|
| 4.1 Exploration and evaluation | 1,735        |
| 4.2 Development                | 5,536        |
| 4.3 Production                 | -            |
| 4.4 Administration             | 2,400        |
| <b>Total</b>                   | <b>9,671</b> |

### Reconciliation of cash

| Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows. | Current quarter<br>\$A'000 | Previous quarter<br>\$A'000 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------|
| 5.1 Cash on hand and at bank                                                                                                                                | 7,603                      | 2,397                       |
| 5.2 Deposits at call                                                                                                                                        | 17,831                     | 33,674                      |
| 5.3 Bank overdraft                                                                                                                                          | -                          |                             |
| 5.4 Other (provide details)                                                                                                                                 | -                          |                             |
| <b>Total: cash at end of quarter (item 1.22)</b>                                                                                                            | <b>25,434</b>              | <b>36,071</b>               |

### Changes in interests in mining tenements

|                                                                   | Tenement reference                                                                                  | Nature of interest<br>(note (2)) | Interest at beginning of quarter | Interest at end of quarter |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------|
| 6.1 Interests in mining tenements relinquished, reduced or lapsed | <b><u>Australia</u></b><br>Bindi Bindi East E70/3295                                                | surrender                        | 100%                             | -                          |
| 6.2 Interests in mining tenements acquired or increased           | <b><u>Republic of Ghana</u></b><br>Bibiani ML<br>Bibiani North Donkoto PL 6/44<br>Asuontaa PL 2/215 | purchase<br>purchase<br>purchase | -<br>-<br>-                      | 100%<br>100%<br>100%       |

+ See chapter 19 for defined terms.



**Appendix 5B**  
**Mining exploration entity quarterly report**

**Issued and quoted securities at end of current quarter**

*Description includes rate of interest and any redemption or conversion rights together with prices and dates.*

|      |                                                                                                                            | Total number                                       | Number quoted                      | Issue price per security (see note 3) (cents)                 | Amount paid up per security (see note 3) (cents)                                    |
|------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 7.1  | <b>Preference securities</b><br>(description)                                                                              | -                                                  | -                                  |                                                               |                                                                                     |
| 7.2  | Changes during quarter<br>(a) Increases through issues<br>(b) Decreases through returns of capital, buy-backs, redemptions |                                                    |                                    |                                                               |                                                                                     |
| 7.3  | <b>+Ordinary securities</b>                                                                                                | 303,843,438                                        | 303,843,438                        |                                                               |                                                                                     |
| 7.4  | Changes during quarter<br>(a) Increases through issues<br>(b) Decreases through returns of capital, buy-backs              | 10,111,954                                         | 10,111,954                         | 30 cents                                                      | 30 cents                                                                            |
| 7.5  | <b>+Convertible debt securities</b><br>(description)                                                                       | -                                                  | -                                  |                                                               |                                                                                     |
| 7.6  | Changes during quarter<br>(a) Increases through issues<br>(b) Decreases through securities matured, converted              |                                                    |                                    |                                                               |                                                                                     |
| 7.7  | <b>Options</b><br>(description and conversion factor)                                                                      | 74,433,069<br>74,433,069<br>6,000,000<br>6,250,000 | 74,433,069<br>74,433,069<br>-<br>- | <b>Exercise price</b><br>\$0.30<br>\$0.35<br>\$0.20<br>\$0.40 | <b>Expiry date</b><br>21 July 2011<br>21 July 2013<br>8 July 2014<br>19 August 2014 |
| 7.8  | Issued during quarter                                                                                                      | 74,433,069<br>74,433,069<br>6,000,000<br>6,250,000 | 74,433,069<br>74,433,069<br>-<br>- | \$0.30<br>\$0.35<br>\$0.20<br>\$0.40                          | 21 July 2011<br>21 July 2013<br>8 July 2014<br>19 August 2014                       |
| 7.9  | Exercised during quarter                                                                                                   | -                                                  | -                                  |                                                               |                                                                                     |
| 7.10 | Expired during quarter                                                                                                     | -                                                  | -                                  |                                                               |                                                                                     |
| 7.11 | <b>Debentures</b><br>(totals only)                                                                                         | -                                                  | -                                  |                                                               |                                                                                     |
| 7.12 | <b>Unsecured notes</b> (totals only)                                                                                       | -                                                  | -                                  |                                                               |                                                                                     |

+ See chapter 19 for defined terms.

## Compliance statement

- 1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 4).
- 2 This statement does give a true and fair view of the matters disclosed.

Sign here: ..... Date: **29 October 2010**  
(Director)

Print name: **Wayne Norris**

## Notes

- 1 The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- 2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- 4 The definitions in, and provisions of, *AASB 1022: Accounting for Extractive Industries* and *AASB 1026: Statement of Cash Flows* apply to this report.
- 5 **Accounting Standards** ASX will accept, for example, the use of International Accounting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

== == == == ==

---

+ See chapter 19 for defined terms.