



Metallurgical Testwork
conducted upon
Gold Ore Samples from Buccaneer Ore Deposit
for
ABM Resources NL

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SUMMARY

A defined program of metallurgical testwork was conducted on selected diamond drill core intervals from two holes BCDD10007 and BCDD10008 from the Buccaneer Ore Deposit for ABM Resources NL.

Salient testwork data are summarised below:

- **Head Assay**

A sub-sample of each 1 m interval was utilised for triplicate assay. The results indicated broad gold level variations ranging from 0.05 g/t (118-119 m) to 24.97 g/t (87-88 m) for the BCDD10007 drill hole, and 0.13 g/t (49-50 m) to 14.93 g/t (53-54 m) for the BCDD10008 drill hole. For the 57-58 m BCDD10008 interval, the gold content was non-existent.

Selected drill core intervals were utilised for preparation of three composites. A representative sub-sample of each composite was utilised for head assays. Summary results are tabulated below.

| Analyte | Unit | Comp #1 (BCDD10007) (84 m to 94 m) | Comp #2 (BCDD10007) (114 m to 126 m) | Comp #3 (BCDD10008)* |
|-----------------------------|-------|---------------------------------------|---|-------------------------|
| Au₁ | (g/t) | 2.38 | 0.69 | 1.64 |
| Au₂ | (g/t) | 2.33 | 0.49 | 1.25 |
| Au₃ | (g/t) | 3.20 | - | - |
| Au₄ | (g/t) | 2.40 | - | - |
| As | (ppm) | 410 | 230 | 480 |
| C_{ORGANIC} | (%) | - | <0.03 | - |
| Cu | (ppm) | 910 | 90 | 265 |
| Fe | (%) | 2.22 | 2.46 | 3.30 |
| S_{SULPHIDE} | (%) | 0.16 | 0.72 | <0.02 |

* Intervals: (114.0 to 126.0 m), (57.0 to 58 m), (60.0 to 62 m), (63.0 to 64 m) and (65.0 to 66 m)

- Coarse Feed Cyanidation Time Leach Testwork**

Gold ore sub-samples were submitted for extractive testwork to determine the likely gold extraction via cyanide leaching at a crush size of P_{100} of <10 mm. The results are summarised in the following table.

| Composite ID | Test No | Au Head Grade (g/t) | | Au Extraction % @ hrs Crush Size: <10 mm | | | | Residue Au Grade (g/t) | Consumption (kg/t) | |
|----------------|---------|---------------------|--------|---|-------|-------|-------|------------------------|--------------------|------|
| | | Assay | Calc'd | 24 | 72 | 144 | 240 | | NaCN | Lime |
| Comp #1 | CR1109 | 2.40/2.30 | 2.34 | 42.41 | 58.50 | 69.83 | 76.53 | 0.61 / 0.49 | 0.18 | 0.72 |
| Comp #2 | CR1110 | 0.50/0.70 | 0.59 | 45.34 | 56.03 | 65.67 | 71.15 | 0.17 / 0.17 | 0.19 | 0.53 |
| Comp #3 | CR1111 | 1.25/1.64 | 1.74 | 87.72 | 92.73 | 94.36 | 95.41 | 0.08 / 0.08 | 0.20 | 2.02 |

After 240 hours of leaching, gold extraction levels were low for composites #1 and #2, ranging from 76.53% and 71.15%, respectively. For Composite #3, the gold extraction level was high at 95.41%.

The gold dissolution kinetics were low for composites #1 and #2, and moderate for Composite #3.

The results indicated low lime and sodium cyanide consumption for all composites.

After reviewing the results, the client indicated that subsequent testwork was to be conducted at the following P_{80} : 150 μ m, 106 μ m and 75 μ m grind sizes.

• Gravity/Cyanidation Time Leach Testwork

Gravity separation/cyanidation time leach testwork was carried out on sub-samples of the three test composites at selected grind sizes to investigate the effect of grind size on overall gold extraction. Summary results are tabulated below.

| Sample ID | Test No. | Grind Size (µm) | Au Head Grade (g/t) | | Au Extraction (%) @ hours | | | Tail Au Grade (g/t) | Reagent Cons (kg/t) | |
|--|----------|-----------------|-------------------------|--------|---------------------------|------|------|---------------------|---------------------|------|
| | | | Assay | Calc'd | Gravity | 24 | 48 | | NaCN | Lime |
| Composite #1 BCDDD10007 (84-94 m) | CR1134 | 150 | 2.38/2.33/ 3.20/2.40 | 3.83 | 13.8 | 95.8 | 96.9 | 0.12 | 1.30 | 0.40 |
| | CR1137 | 106 | | 3.98 | 13.3 | 97.2 | 97.9 | 0.09 | 1.34 | 0.42 |
| | CR1140 | 75 | | 3.59 | 14.7 | 99.0 | 99.0 | 0.04 | 1.34 | 0.44 |
| Composite #2 BCDDD10007 (114-126 m) | CR1135 | 150 | 0.50/0.70 | 0.67 | 18.8 | 88.5 | 89.5 | 0.07 | 0.32 | 0.38 |
| | CR1138 | 106 | | 0.70 | 17.8 | 92.2 | 92.2 | 0.06 | 0.46 | 0.36 |
| | CR1141 | 75 | | 0.81 | 15.5 | 93.2 | 93.2 | 0.06 | 0.36 | 0.43 |
| Composite #3 BCDDD10008 | CR1136 | 150 | 1.64/1.25 | 1.52 | 17.2 | 99.2 | 98.4 | 0.03 | 0.32 | 0.68 |
| | CR1139 | 106 | | 1.67 | 15.6 | 99.4 | 99.4 | 0.01 | 0.36 | 0.68 |
| | CR1142 | 75 | | 1.56 | 16.7 | 99.0 | 99.0 | 0.02 | 0.33 | 0.73 |

Overall, at 48 hours of leaching, high gold extractions were achieved on all composites across the grind sizes tested, ranging from 92.2% to 99.4%. Except for Composite #2 at the P₈₀ 150 µm grind size, for this test the gold recovery was 89.5%, being the lowest.

In general, the gravity recoverable gold contribution to the total gold recovery ranged from 13.3% to 18.8%.

There is a correlation between the grind size and gold extraction across the grind sizes tested. Higher gold extractions were achieved at finer grind sizes.

1. INTRODUCTION

ALS Metallurgy was requested by Mr Pascal Hill, representing ABM Resources NL, to conduct a defined program of metallurgical testwork on three drill hole gold ore samples from the Buccaneer Ore Deposit Project. The samples were received on 24th April 2015 and testwork commenced at that time.

The testwork program comprised of the following:

- Sample preparation
- Head assays
- Grind establishment testwork
- Coarse feed cyanide leach testwork.
- Gravity separation: direct cyanide time leach testwork.

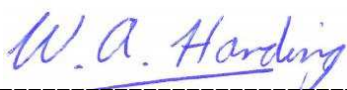
The testwork program is presented as flow diagrams in Figures 1 to 4.

The testwork was controlled by Mr Pascal Hill, on behalf of ABM Resources NL, with Mr Claudio Ramon supervising the program on behalf of ALS Metallurgy. Testwork results were communicated to the client immediately when available, which enabled the program to progress on a fully informed basis.

The purpose of this report is to describe the testwork program and present results together with some commentary and observations.



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2. THE SAMPLES

On 24th April 2015, ALS Metallurgy was supplied with three drill hole gold ore samples from the Buccaneer Ore Deposit for ABM Resource NL. The samples were submitted to ALS Metallurgy for gold extraction testwork.

A summary of samples received is presented in the table below whilst a detailed inventory list is presented in Appendix I.

| TABLE 1: SAMPLE INVENTORY LIST | | | | | | | | |
|--------------------------------|-----------|-----------|-------------|------|-----------|-----------|-------------|--|
| Item | Sample ID | Depth (m) | Weight (kg) | Item | Sample ID | Depth (m) | Weight (kg) | |
| 1 | BCDD10007 | 84-85 | 7.45 | 1 | BCDD10008 | 48-49 | 4.59 | |
| 2 | | 85-86 | 6.80 | 2 | | 49-50 | 4.67 | |
| 3 | | 86-87 | 8.46 | 3 | | 50-51 | 4.79 | |
| 4 | | 87-88 | 6.60 | 4 | | 51-52 | 3.64 | |
| 5 | | 88-89 | 7.85 | 5 | | 52-53 | 4.97 | |
| 6 | | 89-90 | 7.65 | 6 | | 53-54 | 3.42 | |
| 7 | | 90-91 | 7.51 | 7 | | 54-55 | 3.47 | |
| 8 | | 91-92 | 6.82 | 8 | | 55-56 | 4.40 | |
| 9 | | 92-93 | 7.33 | 9 | | 56-57 | 1.25 | |
| 10 | | 93-94 | 7.43 | 10 | | 57-58 | 4.29 | |
| 11 | | 114-115 | 7.50 | 11 | | 58-59 | 0.86 | |
| 12 | | 115-116 | 7.76 | 12 | | 59-60 | 1.41 | |
| 13 | | 116-117 | 7.50 | 13 | | 60-61 | 3.99 | |
| 14 | | 117-118 | 8.21 | 14 | | 61-62 | 4.45 | |
| 15 | | 118-119 | 7.43 | 15 | | 62-63 | 2.14 | |
| 16 | | 119-120 | 7.87 | 16 | | 63-64 | 3.95 | |
| 17 | | 120-121 | 7.41 | 17 | | 64-65 | 0.00 | |
| 18 | | 121-122 | 7.33 | 18 | | 65-66 | 2.89 | |
| 19 | | 122-123 | 7.70 | 19 | | 66-67 | 2.10 | |
| 20 | | 123-124 | 7.67 | 20 | | 67-68 | 1.56 | |
| 21 | | 124-125 | 7.62 | | | | | |
| 22 | | 125-126 | 7.81 | | | | | |

3. SAMPLE PREPARATION

Intervals of 1.0 m were individually control-crushed to <10.0 mm. The crushed intervals were homogenised by passing at least three times through a 12-segmented rotary sample divider (RSD), after which a sub-sample of approximately 500 g was split out for triplicate head assay.

The following table shows the individual intervals, and their gold assays.

| TABLE 2: GOLD ASSAY ON INDIVIDUAL INTERVALS | | | | |
|---|-----------|-----------------------|-----------------------|-----------------------|
| Sample ID | Depth (m) | Au ₁ (g/t) | Au ₂ (g/t) | Au ₃ (g/t) |
| BCDD10007 | 84-85 | 1.38 / 1.43 | 1.43 | 1.44 |
| | 85-86 | 2.21 | 1.73 | 2.30 |
| | 86-87 | 3.91 | 3.64 | 5.19 |
| | 87-88 | 9.91 | 30.90 | 34.10 |
| | 88-89 | 6.32 | 4.33 | 4.41 |
| | 89-90 | 1.17 | 4.96 | 1.54 |
| | 90-91 | 0.97 | 0.97 | 0.82 |
| | 91-92 | 0.94 | 1.23 | 1.03 |
| | 92-93 | 0.55 | 0.73 | 0.58 |
| | 93-94 | 0.76 | 0.65 | 1.01 |
| | 114-115 | 0.07 | 0.05 | 0.10 |
| | 115-116 | 0.89 | 2.92 | 0.95 |
| | 116-117 | 0.72 | 0.96 | 0.51 |
| | 117-118 | 0.27 | 0.26 | 0.14 |
| | 118-119 | 0.04 / 0.05 | 0.07 | 0.07 |
| | 119-120 | 1.57 | 0.92 | 2.27 |
| | 120-121 | 0.30 | 0.11 | 0.15 |
| | 121-122 | 1.19 / 1.63 | 0.99 | 2.42 |
| | 122-123 | 0.36 | 0.39 | 0.55 |
| | 123-124 | 0.33 | 0.53 | 0.38 |
| 124-125 | 0.31 | 0.44 | 0.81 | |
| 125-126 | 0.31 | 0.39 | 0.42 | |

Continued/...

| TABLE 2: GOLD ASSAY ON INDIVIDUAL INTERVALS (Cont'd) | | | | |
|--|-----------|-----------------------|-----------------------|-----------------------|
| Sample ID | Depth (m) | Au ₁ (g/t) | Au ₂ (g/t) | Au ₃ (g/t) |
| BCDD10008 | 48-49 | 0.22 | 0.23 | 0.27 |
| | 49-50 | 0.14 / 0.13 | 0.12 | 0.13 |
| | 50-51 | 0.16 | 0.18 | 0.15 |
| | 51-52 | 0.12 | 0.14 | 0.15 |
| | 52-53 | 0.81 | 0.86 | 0.83 |
| | 53-54 | 15.80 / 15.00 | 15.30 | 14.10 |
| | 54-55 | 3.66 | 2.97 | 2.64 |
| | 55-56 | 0.54 | 0.10 | 0.08 |
| | 57-58 | <0.02 | <0.02 | <0.02 |
| | 60-61 | 0.53 | 0.45 | 0.58 |
| | 61-62 | 0.52 | 1.04 | 1.08 |
| | 63-64 | 0.18 / 0.20 | 0.18 | 0.22 |
| | 65-66 | 0.35 | 0.26 | 0.31 |

Comments on the above data are as follows:

- A sub-sample of each 1 m interval was utilised for triplicate assay.
- The results indicated broad gold level variations ranging from 0.05 g/t (118-119 m) to 24.97 g/t (87-88 m) for the BCDD10007 drill hole, and 0.13 g/t (49-50 m) to 14.93 g/t (53-54 m) for the BCDD10008 drill hole.
- For the 57-58 m BCDD10008 interval, the gold content was below detection limit.

4. COMPOSITE PREPARATION

Composite #1 was generated by blending 4.0 kg of each 1.0 m interval of the following sample intervals: BCDD10007 (84.0 to 94.0 m).

Composite #2 was generated by blending 4.0 kg of each 1.0 m interval of the following sample intervals: BCDD10007 (114.0 to 126.0 m).

Composite #3 was generated by blending 2.54 kg of each 1.0 m interval of 13 selected sample intervals: BCDD10008 (114.0 m to 126.0 m), (57.0 m to 58 m), (60.0 m to 62 m), (63.0 m to 64 m) and (65.0 m to 66 m).

The composites were dried at low temperature (75°C), then homogenised and split in 1.0 kg charges using a 12-segmented rotary sample divider (RSD).

5. TESTWORK WATER

Perth tap water was utilised for all facets of the testwork including slurry preparation.

6. ANALYTICAL PROCEDURES

All assay samples, generated during the course of the testwork program, were submitted for analysis to the ALS Metallurgy analytical laboratory in Perth.

The following analytical methods were employed:

| | |
|-----------------------|---|
| Gold in solids: | Screen fire assay/fire assay/ICP-MS finish |
| Gold in solution: | ICP-MS |
| Silver: | Mixed acid digestion/ICP-OES finish |
| Arsenic: | Arsenic digest/ICP-OES finish |
| Carbon speciation: | <i>Labfit</i> CS2000 Analyser |
| Sulphur speciation: | <i>Sherritt</i> method/ <i>Labfit</i> CS2000 Analyser |
| General element scan: | Mixed-Acid Digest/ICP-OES finish |
| Mercury: | Mercury digest/ICP-MS finish |
| Antimony, Tellurium: | Antimony digest/ICP-OES finish |

7. HEAD ASSAYS

A sub-sample of each composite was submitted for comprehensive head analysis.

A summary of key assay results is presented in the table below, whilst full assay results are included in Appendix II.

| TABLE 3: HEAD ASSAYS – SUMMARY OF RESULTS | | | | |
|---|-------|---------------------------------------|---|-------------------------|
| Analyte | Unit | Comp #1 (BCDD10007) (84 m to 94 m) | Comp #2 (BCDD10007) (114 m to 126 m) | Comp #3 (BCDD10008)* |
| Au ₁ | (g/t) | 2.38 | 0.69 | 1.64 |
| Au ₂ | (g/t) | 2.33 | 0.49 | 1.25 |
| Au ₃ | (g/t) | 3.20 | - | - |
| Au ₄ | (g/t) | 2.40 | - | - |
| Ag | (g/t) | 1.5 | 0.6 | 0.6 |
| As | (ppm) | 410 | 230 | 480 |
| C _{TOTAL} | (%) | <0.03 | 0.48 | <0.03 |
| C _{ORGANIC} | (%) | - | <0.03 | - |
| Cu | (ppm) | 910 | 90 | 265 |
| Fe | (%) | 2.22 | 2.46 | 3.30 |
| S _{TOTAL} | (%) | 0.26 | 0.80 | 0.06 |
| S _{SULPHIDE} | (%) | 0.16 | 0.72 | <0.02 |
| Sb | (ppm) | 14.4 | 8.6 | 35.5 |
| Zn | (ppm) | 25 | 70 | 10 |

* Intervals: (114.0 to 126.0 m), (57.0 to 58 m), (60.0 to 62 m), (63.0 to 64 m) and (65.0 to 66 m)

Comments on the above data are as follows:

- Variation in gold grades for composites #1 and #3 may indicate the presence of coarse grained gold in the ore.
- Composite #1 recorded higher gold grades compared to the other two composites.
- Low sulphur sulphide grades for all samples, reduce the possibility of higher cyanide and lime consumption.
- Low base metal levels, reduce the possibility of excess cyanide consumption through complexation with these metals.
- Low Arsenic levels reduces the possibility of gold locked in arsenopyrite mineral species.
- Organic carbon content was below detection limits, reducing the probability of preg-robbing occurring during cyanidation.

8. COARSE FEED CYANIDATION TIME LEACH TESTWORK

Sub-samples of each composite were submitted for coarse-crush leach testwork at <10.0 mm. The objective of the coarse-crush leach testwork was to evaluate the likely gold extraction at the coarse crush size, and the amenability of the samples to gold extraction via heap leaching.

8.1 Test Procedure

The coarse-crush leach tests were conducted as follows:

- (1) The crushed samples were transferred into a 20-litre plastic leach bottle and adjusted to 50% solids (w/w) with Perth tap water.
- (2) Sufficient hydrated lime (60% CaO) was added to the slurry to establish a pH of approximately 11.0. The slurry was thoroughly agitated for a period of 5 minutes.
- (3) The pH of the slurry sample was re-measured, if necessary more lime was added to achieve a pH of 11.0.
- (4) Solid sodium cyanide was added to the slurry sample to establish an initial nominal cyanide solution strength of 0.10% (w/v).
- (5) The bottle was agitated for one minute every hour by means of mechanically-driven rollers.
- (6) The leach was monitored at regular intervals 2, 4, 8, 24 hours and then every 24 hours thereafter. Slurry pH, DO and cyanide concentration were monitored and recorded.
- (7) Lime and cyanide were added as required to maintain target pH (>9.5) and cyanide concentration (0.03%, w/v).
- (8) At the termination of the test (240 hours) the terminal pH, oxygen and cyanide levels were determined and a solution sample was collected and submitted for gold assay.
- (9) The residual slurry sample was filtered, washed and dried to provide leach residue solids. A representative sub-sample of the leach residue was submitted for duplicate gold assay.

8.2 Results

Detailed testwork report sheets are included in Appendix III, whilst a summary of results is presented in the table below.

| Composite ID | Test No | Au Head Grade (g/t) | | Au Extraction % @ hrs Crush Size: <10 mm | | | | Residue Au Grade (g/t) | Consumption (kg/t) | |
|--------------|---------|---------------------|--------|---|-------|-------|-------|------------------------|--------------------|------|
| | | Assay | Calc'd | 24 | 72 | 144 | 240 | | NaCN | Lime |
| Comp #1 | CR1109 | 2.40/2.30 | 2.34 | 42.41 | 58.50 | 69.83 | 76.53 | 0.61/0.49 | 0.18 | 0.72 |
| Comp #2 | CR1110 | 0.50/0.70 | 0.59 | 45.34 | 56.03 | 65.67 | 71.15 | 0.17/0.17 | 0.19 | 0.53 |
| Comp #3 | CR1111 | 1.25/1.64 | 1.74 | 87.72 | 92.73 | 94.36 | 95.41 | 0.08/0.08 | 0.20 | 2.02 |

Comments on the above data are as follows:

- After 240 hours of leaching, gold extraction levels were low for composites #1 and #2, ranging from 76.53% and 71.15%, respectively. For Composite #3, the gold extraction level was high at 95.41%.
- The gold dissolution kinetics were low for composites #1 and #2, and moderate for Composite #3.
- The results indicated low lime and sodium cyanide consumption for all composites.
- After reviewing the results, the client indicated that subsequent testwork was to be conducted at the following P₈₀: 150 µm, 106 µm and 75 µm grind sizes.

9. GRAVITY/CYANIDATION TESTWORK

Sub-samples of each composite were submitted for gravity gold recovery testwork, followed by cyanide leach testwork on the gravity tail. The *Knelson* gravity testwork was conducted at a crush size P_{100} of <10.0 mm.

9.1 Gravity Gold Recovery Procedure

The procedure used for gravity gold recovery is summarised as follows:

- (1) Separate 30.0 kg bulk sample of Composite #1, Composite #2 and a 24.0 kg sample of Composite #3 were passed through a 3" *Knelson* KC-MD3 gravity concentrator, with the following specifications:
 - 0.12 kW drive
 - 1500 rpm
 - 3.0 L/min fluidising water flow rate.
- (2) The *Knelson* gravity concentrate was panned down to 1% of the feed weight, and transferred to a 1-litre bottle and subjected to intensive LeachWELL™ cyanidation testwork under the following conditions:
 - % Solids : 20% (w/w)
 - Add NaOH : 0.7% (w/v)
 - Add LeachWELL™ : 2.0% (w/v)
 - Add NaCN : 5.0% (w/v)
 - Duration : 24 hours
- (3) The 24 hours leach solution was assayed for gold. The intensive leach residue was filtered, washed, dried and a sub-sample submitted for gold analysis.
- (4) The intensive leach residue was re-combined with the *Knelson* gravity tail.
- (5) The *Knelson* gravity tail was dried at low temperature (75°C), homogenised and split in to suitable charges for the grind establishment and extraction testwork.

9.2 Grind Establishment Testwork

Sub-samples of each gravity tailing were submitted for grind establishment testwork. The objective of the grind establishment testwork is to determine the time required to grind a sub-sample of crushed material to a target grind size P_{80} using a laboratory rod mill. For the required testwork, the following target grind size P_{80} 's were 150 μm , 106 μm and 75 μm .

9.2.1 Test Procedure

The grind establishment procedure is summarised as follows:

- (1) One-kilogram sub-sample was ground in a laboratory stainless steel rod mill at 50% solids (w/w) for various times.
- (2) The ground solids were wet screened over a 150 μm aperture sieve. The undersize material was dried and retained.
- (3) The oversize material was dried and then re-screened over a series of screens using a *Rotap* sieve shaker. The undersize (<150 μm) material was combined with the undersize material from step (2).
- (4) Each size fraction was dried, weighed and the masses used to determine particle size distribution (PSD) and P_{80} size.
- (5) The above steps were repeated to determine P_{80} 106 μm and 75 μm .
- (6) The grind times were plotted against the resultant particle size distribution (PSD) in order to determine the grind times required to achieve the target P_{80} .

9.2.2 Grind Times

The requisite grind times are presented in the table below.

| TABLE 5: GRIND ESTABLISHMENT TESTWORK - SUMMARY OF RESULTS | | |
|--|---|--|
| Sample ID | Target Grind Size P_{80} (μm) | Grind Time Required* to Achieve Target P_{80} (min' sec'') |
| Composite #1 | 150 | 10'09" |
| | 106 | 13'17" |
| | 75 | 18'19" |
| Composite #2 | 150 | 8'24" |
| | 106 | 11'12" |
| | 75 | 15'47" |
| Composite #3 | 150 | 03'51" |
| | 106 | 05'49" |
| | 75 | 08'36" |

* 1.0 kg sample

9.3 Direct Cyanidation Time Leach Testwork

Cyanidation leach testwork was undertaken on the gravity tail for each composite. The gravity tailing sub-samples were leached at P₈₀'s of 150 µm, 106 µm and 75 µm grind size for 48 hours.

9.3.1 Test Procedure

The test procedure for the cyanide leach optimisation test was as follows:

- (1) The sub-sample was transferred to a 1-litre plastic bottle. Perth tap water was added to achieve 40% solids (w/w).
- (2) Sufficient hydrated lime (60% CaO) was added to each slurry to establish a pH of approximately 10.5.
- (3) An addition of solid sodium cyanide was made to each slurry to establish initial nominal cyanide solution strength of 0.100% (w/v).
- (4) Each leach slurry was sparged with oxygen to provide elevated dissolved oxygen content to the slurry.
- (5) At intervals (2, 4, 8, 16 and 24 hours) during the leach 40 mL of liquor was sampled for gold analysis. A 10 mL solution sample was titrated for cyanide with silver nitrate and if required further lime and cyanide were added to maintain desired pH and cyanide solution strength (0.05%).
- (6) At the termination of the tests (48 hours) the terminal pH, oxygen and cyanide levels were determined and a solution sample was taken for gold analysis.
- (7) The residual slurry was filtered, washed and dried to provide leach residue solids. A sub-sample of the leach residue solids was submitted for gold analysis.

9.3.2 Results

Detailed test report sheets are included in Appendix IV, whilst the results from the gravity and direct cyanidation time leach tests are summarised in Table 6 overleaf.

TABLE 6: GRAVITY SEPARATION – DIRECT CYANIDATION TIME LEACH TESTWORK – SUMMARY RESULTS

| Sample ID | Test ID | Conditions Grind Size (µm) | Head Au Grade (g/t) | Au Extraction (%) @ hours | | | | Tail Au Grade (g/t) | Reagents (kg/t) | | | |
|---|---------|----------------------------|-------------------------|---------------------------|-------------|---------|------|---------------------|-----------------|------|------|------|
| | | | | Assay | Calc'd Head | Gravity | 2 | | 8 | 24 | 48 | NaCN |
| Composite #1 BCDDD10007 (84 m to 94 m) | CR1134 | 150 | 2.38/2.33/ 3.20/2.40 | 3.83 | 13.8 | 39.8 | 92.9 | 95.8 | 96.9 | 0.12 | 1.30 | 0.40 |
| | CR1137 | 106 | | 3.98 | 13.3 | 36.3 | 96.1 | 97.2 | 97.9 | 0.09 | 1.34 | 0.42 |
| | CR1140 | 75 | | 3.59 | 14.7 | 41.2 | 98.6 | 99.0 | 99.0 | 0.04 | 1.34 | 0.44 |
| Composite #2 BCDDD10007 (114 m to 126 m) | CR1135 | 150 | 0.50/0.70 | 0.67 | 18.8 | 81.9 | 88.5 | 88.5 | 89.5 | 0.07 | 0.32 | 0.38 |
| | CR1138 | 106 | | 0.70 | 17.8 | 87.0 | 92.2 | 92.2 | 92.2 | 0.06 | 0.46 | 0.36 |
| | CR1141 | 75 | | 0.81 | 15.5 | 88.7 | 93.2 | 93.2 | 93.2 | 0.06 | 0.36 | 0.43 |
| Composite #3 BCDDD10008 | CR1136 | 150 | 1.64/1.25 | 1.52 | 17.2 | 86.4 | 96.0 | 99.2 | 98.4 | 0.03 | 0.32 | 0.68 |
| | CR1139 | 106 | | 1.67 | 15.6 | 85.5 | 97.3 | 99.4 | 99.4 | 0.01 | 0.36 | 0.68 |
| | CR1142 | 75 | | 1.56 | 16.7 | 86.9 | 96.3 | 99.0 | 99.0 | 0.02 | 0.33 | 0.73 |

Comments on the above data are as follows:

- Overall, at 48 hours of leaching high gold extractions were achieved on all composites across the grind sizes tested, ranging from 92.2% to 99.4%. Except for Composite #2 at the P₈₀ 150 µm grind size, for this test the gold recovery was 89.5%.
- In general, the gravity recoverable gold contribution to the total gold recovery ranged from 13.3% to 18.8%.
- There is a correlation between the grind size and gold extraction across the grind sizes tested. Higher gold extractions were achieved at finer grind sizes.
- For Composite #1, high gold extraction levels were recorded, ranging from 96.9% to 99.0%. Sodium cyanide consumption was moderate, with low lime consumption. Gold dissolution kinetics were moderate to rapid, at P₈₀ 75 µm the gold dissolution was completed after 24 hours.
- For Composite #2, the results indicated moderate to high gold extraction levels, ranging from 89.5% to 93.2%. Sodium cyanide and lime consumption were low. Gold dissolution kinetics were moderate to rapid, at P₈₀ 75 µm grind size, the gold dissolution was completed after 24 hours.
- For Composite #3, the gold extraction levels were high for all grind sizes, ranging from 98.4% to 99.4%. Reagent consumptions were low and similar to Composite #2. Gold dissolution kinetics were rapid, most of the gold dissolution was completed after 24 hours.

FIGURES

FIGURE 1 : METALLURGICAL TEST PROGRAM FLOWSHEET - SAMPLE PREPARATION

ABM RESOURCES NL

RECEIVE DIAMONT DRILL CORE INTERVAL SAMPLES FROM THE CLIENT: 2 DIAMONT DRILL CORES FROM TWO HOLES

- BCDDD10007 84m to 94m (10m) → 10 INDIVIDUAL SAMPLES (1m INTERVAL)
- BCDDD10007 114m to 126m (12m) → 12 INDIVIDUAL SAMPLES (1m INTERVAL)
- BCDDD10008 48m to 68m (20m) → USE ONLY 13 INDIVIDUAL SAMPLES (1m INTERVAL) - CHECK INVENTORY LIST FOR DETAILS

CONDUCT FULL SAMPLE INVENTORY / REPORT FULL SAMPLE LIST TO CLIENT

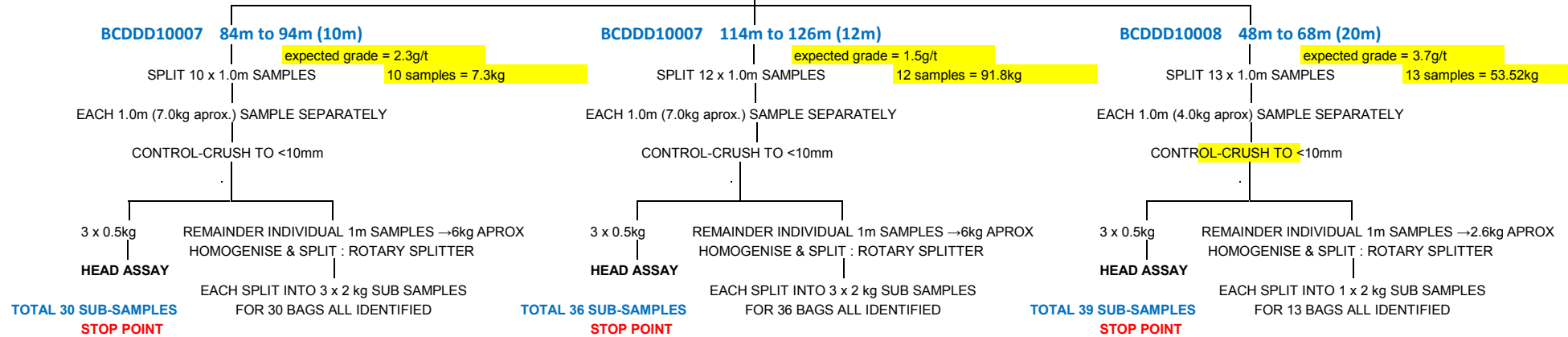


FIGURE 2 : METALLURGICAL TEST PROGRAM FLOWSHEET - COMPOSITE PREPARATION

ABM RESOURCES NL

RECEIVE DIAMONT DRILL CORE INTERVAL SAMPLES CRUSHED TO <10mm FROM FIGURE1

PREPARE THE FOLLOWING 3 COMPOSITES

COMPOSITE #1

BCDDD10007 84m to 94m (10m)

FROM EACH 1.0m SAMPLE

TAKE 4.0kg

COMBINE 10 x 4.0kg

HOMOGENISE & SPLIT : ROTARY SPLITTER

1.0kg CHARGES

TOTAL= 40.0kg

CHARGES TO BE KEPT AT <10mm

COMPOSITE #2

BCDDD10007 114m to 126m (12m)

FROM EACH 1.0m SAMPLE

TAKE 4.0kg

COMBINE 12 x 4.0kg

HOMOGENISE & SPLIT : ROTARY SPLITTER

1.0kg CHARGES

TOTAL= 48.0kg

CHARGES TO BE KEPT AT <10mm

COMPOSITE #3

BCDDD10008 48m to 68m (13m)

FROM EACH 1.0m SAMPLE

TAKE 2.54kg

COMBINE 13 x 2.54kg

HOMOGENISE & SPLIT : ROTARY SPLITTER

1.0kg CHARGES

TOTAL= 33.0kg

CHARGES TO BE KEPT AT <10mm

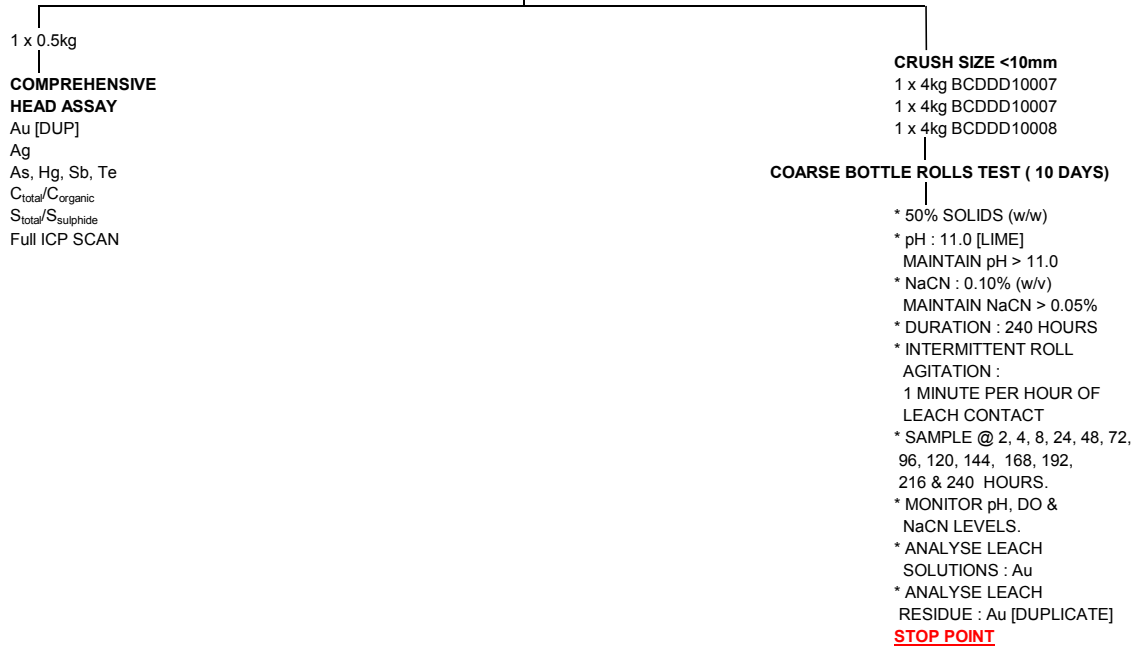
FIGURE 3 : METALLURGICAL TEST PROGRAM FLOWSHEET - COARSE BOTTLE ROLL TESTWORK

ABM RESOURCES NL

RECEIVE <10mm COMPOSITES FROM FIGURE 2:

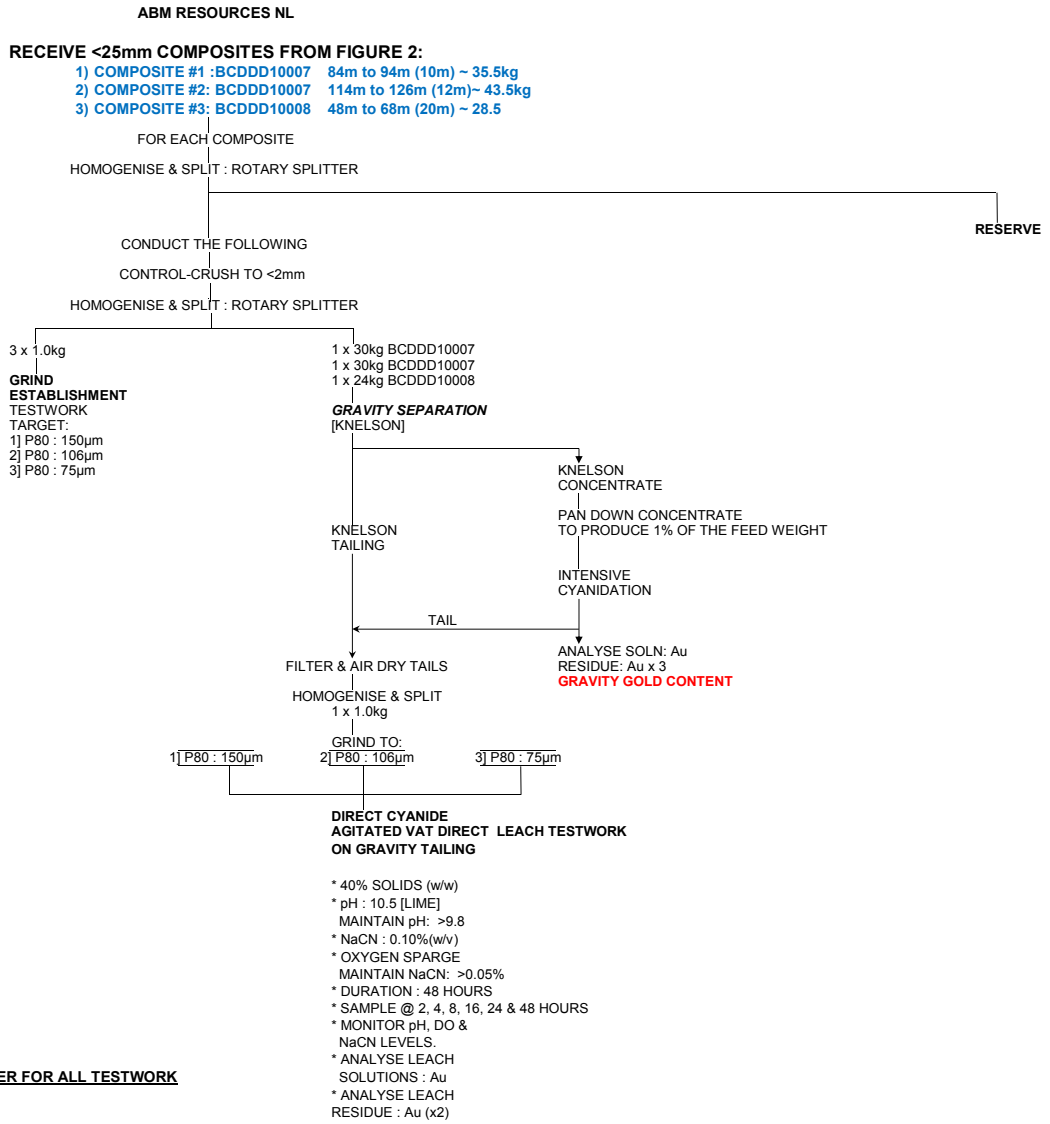
- 1) **COMPOSITE #1** → BCDDD10007 (84m to 94m)
- 2) **COMPOSITE #2** → BCDDD10007 (114m to 126m)
- 3) **COMPOSITE #3** → BCDDD10008 (48m to 68m)

FOR EACH COMPOSITE



NOTE : PERTH TAP WATER FOR ALL TESTWORK

FIGURE 4 : METALLURGICAL TEST PROGRAM FLOWSHEET - KNELSON GRAVITY SEPARATION AND DIRECT CYANIDATION TESTWORK



NOTE : USE PERTH TAP WATER FOR ALL TESTWORK

APPENDICES

APPENDIX I

Sample Inventory

A16500
ABM RESOURCES NL
SAMPLE INVENTORY

| ITEM | SAMPLE ID | DEPTH (m) | WEIGHT(kg) | REMARKS |
|--------------|-----------|---------------|---------------|-----------|
| 1 | BCDD10007 | 84.0 - 84.5 | 2.92 | |
| 2 | BCDD10007 | 84.5 - 85.0 | 4.53 | |
| 3 | BCDD10007 | 85.0 - 85.5 | 3.53 | |
| 4 | BCDD10007 | 85.5 - 86.0 | 3.27 | |
| 5 | BCDD10007 | 86.0 - 86.5 | 4.17 | |
| 6 | BCDD10007 | 86.5 - 87.0 | 4.29 | |
| 7 | BCDD10007 | 87.0 - 87.5 | 3.26 | |
| 8 | BCDD10007 | 87.5 - 88.0 | 3.34 | |
| 9 | BCDD10007 | 88.0 - 88.5 | 3.66 | |
| 10 | BCDD10007 | 88.5 - 89.0 | 4.19 | |
| 11 | BCDD10007 | 89.0 - 89.5 | 3.71 | |
| 12 | BCDD10007 | 89.5 - 90.0 | 3.94 | |
| 13 | BCDD10007 | 90.0 - 95.5 | 3.61 | |
| 14 | BCDD10007 | 90.5 - 91.0 | 3.90 | |
| 15 | BCDD10007 | 91.0 - 91.5 | 3.48 | |
| 16 | BCDD10007 | 91.5 - 92.0 | 3.34 | |
| 17 | BCDD10007 | 92.0 - 92.5 | 3.91 | |
| 18 | BCDD10007 | 92.5 - 93.0 | 3.42 | |
| 19 | BCDD10007 | 93.0 - 93.5 | 4.26 | |
| 20 | BCDD10007 | 93.5 - 94.0 | 3.17 | |
| 21 | BCDD10007 | 114.0 - 114.5 | 3.96 | |
| 22 | BCDD10007 | 114.5 - 115.0 | 3.54 | |
| 23 | BCDD10007 | 115.0 - 115.5 | 4.04 | |
| 24 | BCDD10007 | 115.5 - 116.0 | 3.72 | |
| 25 | BCDD10007 | 116.0 - 116.5 | 4.13 | |
| 26 | BCDD10007 | 116.5 - 117.0 | 3.37 | |
| 27 | BCDD10007 | 117.0 - 117.5 | 3.90 | |
| 28 | BCDD10007 | 117.5 - 118.0 | 4.31 | |
| 29 | BCDD10007 | 118.0 - 118.5 | 3.50 | |
| 30 | BCDD10007 | 118.5 - 119.0 | 3.93 | |
| 31 | BCDD10007 | 119.0 - 119.5 | 4.36 | |
| 32 | BCDD10007 | 119.5 - 120.0 | 3.51 | |
| 33 | BCDD10007 | 120.0 - 120.5 | 3.76 | |
| 34 | BCDD10007 | 120.5 - 121.0 | 3.65 | |
| 35 | BCDD10007 | 121.0 - 121.5 | 4.37 | |
| 36 | BCDD10007 | 121.5 - 122.0 | 2.96 | |
| 37 | BCDD10007 | 122.0 - 122.5 | 3.72 | |
| 38 | BCDD10007 | 122.5 - 123.0 | 3.98 | |
| 39 | BCDD10007 | 123.0 - 123.5 | 4.26 | |
| 40 | BCDD10007 | 123.5 - 124.0 | 3.41 | Full core |
| 41 | BCDD10007 | 124.0 - 124.5 | 3.74 | |
| 42 | BCDD10007 | 124.5 - 125.0 | 3.88 | |
| 43 | BCDD10007 | 125.0 - 125.5 | 3.55 | |
| 44 | BCDD10007 | 125.5 - 126.0 | 4.26 | |
| Total | | | 165.71 | |

A16500
ABM RESOURCES NL
SAMPLE INVENTORY

| ITEM | SAMPLE ID | DEPTH (m) | WEIGHT(kg) | REMARKS |
|--------------|-----------|-------------|---------------|-----------------------|
| 1 | BCDD10008 | 48.0 - 48.5 | 2.42 | |
| 2 | BCDD10008 | 48.5 - 49.0 | 2.17 | |
| 3 | BCDD10008 | 49.0 - 49.5 | 2.51 | |
| 4 | BCDD10008 | 49.5 - 50.0 | 2.16 | |
| 5 | BCDD10008 | 50.0 - 50.5 | 2.66 | |
| 6 | BCDD10008 | 50.5 - 51.0 | 2.13 | |
| 7 | BCDD10008 | 51.0 - 51.5 | 1.90 | |
| 8 | BCDD10008 | 51.5 - 52.0 | 1.74 | |
| 9 | BCDD10008 | 52.0 - 52.5 | 2.45 | |
| 10 | BCDD10008 | 52.5 - 53.0 | 2.52 | |
| 11 | BCDD10008 | 53.0 - 53.5 | 2.06 | |
| 12 | BCDD10008 | 53.5 - 54.0 | 1.36 | |
| 13 | BCDD10008 | 54.0 - 54.5 | 1.60 | |
| 14 | BCDD10008 | 54.5 - 55.0 | 1.87 | |
| 15 | BCDD10008 | 55.0 - 55.5 | 1.93 | |
| 16 | BCDD10008 | 55.5 - 56.0 | 2.47 | |
| 17 | BCDD10008 | 56.0 - 56.5 | 1.25 | |
| 18 | BCDD10008 | 56.5 - 57.0 | - | No sample (empty bag) |
| 19 | BCDD10008 | 57.0 - 57.5 | 2.26 | |
| 20 | BCDD10008 | 57.5 - 58.0 | 2.03 | |
| 21 | BCDD10008 | 58.0 - 58.5 | 0.86 | |
| 22 | BCDD10008 | 58.5 - 59.0 | - | No sample (empty bag) |
| 23 | BCDD10008 | 59.0 - 59.5 | 1.41 | |
| 24 | BCDD10008 | 59.5 - 60.0 | - | No sample (empty bag) |
| 25 | BCDD10008 | 60.0 - 60.5 | 1.66 | |
| 26 | BCDD10008 | 60.5 - 61.0 | 2.33 | |
| 27 | BCDD10008 | 61.0 - 61.5 | 2.89 | |
| 28 | BCDD10008 | 61.5 - 62.0 | 1.56 | |
| 29 | BCDD10008 | 62.0 - 62.5 | 2.14 | |
| 30 | BCDD10008 | 62.5 - 63.0 | - | No sample (empty bag) |
| 31 | BCDD10008 | 63.0 - 63.5 | 2.79 | |
| 32 | BCDD10008 | 63.5 - 64.0 | 1.16 | |
| 33 | BCDD10008 | 64.0 - 64.5 | - | No sample (empty bag) |
| 34 | BCDD10008 | 64.5 - 65.0 | - | No sample (empty bag) |
| 35 | BCDD10008 | 65.0 - 65.5 | 1.50 | |
| 36 | BCDD10008 | 65.5 - 66.0 | 1.39 | |
| 37 | BCDD10008 | 66.0 - 66.5 | 0.99 | |
| 38 | BCDD10008 | 66.5 - 67.0 | 1.11 | |
| 39 | BCDD10008 | 67.0 - 67.5 | 0.80 | |
| 40 | BCDD10008 | 67.5 - 68.0 | 0.76 | |
| Total | | | 62.841 | |

APPENDIX II

Comprehensive Head Assays

A16500:**ABM RESOURCES LIMITED****COMPREHENSIVE HEAD ASSAY RESULTS**

| ANALYTE | UNIT | COMPOSITE #1 | | COMPOSITE #2 | | COMPOSITE #3 |
|-----------------------|------|--------------|------------------|--------------|--------------------|--------------|
| | | BCDDD10007 | 84m to 94m (10m) | BCDDD10007 | 114m to 126m (12m) | BCDDD10008* |
| Au ₁ | g/t | | 2.38 | | 0.69 | 1.64 |
| Au ₂ | g/t | | 2.33 | | 0.49 | 1.25 |
| Au ₃ | g/t | | 3.20 | | - | - |
| Au ₄ | g/t | | 2.40 | | - | - |
| Ag | g/t | | 1.5 | | 0.6 | 0.6 |
| Al | % | | 7.52 | | 7.40 | 9.48 |
| As | ppm | | 410 | | 230 | 480 |
| Ba | ppm | | 700 | | 780 | 440 |
| Be | ppm | | <20 | | <20 | <20 |
| Bi | ppm | | <25 | | <25 | <25 |
| C _{TOTAL} | % | | <0.03 | | 0.48 | <0.03 |
| C _{ORGANIC} | % | | - | | <0.03 | - |
| Ca | ppm | | 1875 | | 10600 | 375 |
| Cd | ppm | | <20 | | <20 | <20 |
| Co | ppm | | <20 | | <20 | <20 |
| Cr | ppm | | <25 | | <25 | 25 |
| Cu | ppm | | 910 | | 90 | 265 |
| Fe | % | | 2.22 | | 2.46 | 3.30 |
| Hg | ppm | | 0.3 | | <0.1 | <0.1 |
| K | % | | 4.7 | | 4.3 | 2.7 |
| Li | ppm | | <20 | | <20 | 20 |
| Mg | ppm | | 4400 | | 8000 | 4400 |
| Mn | ppm | | 180 | | 320 | 60 |
| Mo | ppm | | 20 | | <20 | <20 |
| Na | ppm | | 14000 | | 25000 | 550 |
| Ni | ppm | | 40 | | 40 | 40 |
| P | ppm | | 500 | | 750 | 1000 |
| Pb | ppm | | 160 | | 260 | 160 |
| S _{TOTAL} | % | | 0.26 | | 0.80 | 0.06 |
| S _{SULPHIDE} | % | | 0.16 | | 0.72 | <0.02 |
| Sb | ppm | | 14.4 | | 8.6 | 35.5 |
| SiO ₂ | % | | 72.2 | | 67.2 | 67.4 |
| Sr | ppm | | 180 | | 305 | 205 |
| Te | ppm | | <0.2 | | <0.2 | <0.2 |
| Ti | ppm | | 2600 | | 2600 | 3400 |
| V | ppm | | 25 | | 25 | 50 |
| Y | ppm | | <100 | | <100 | <100 |
| Zn | ppm | | 25 | | 70 | 10 |

*Intervals: (114.0 to 126.0m), (57.0 to 58m), (60.0 to 62m), (63.0 to 64m) and (65.0 to 66m)

A16500

ABM RESOURCES LIMITED

HEAD ASSAYS ON DRILL CORE INTERVAL ORE SAMPLES

| SAMPLE ID | DEPTH (m) | Au ₁ | Au ₂ | Au ₃ |
|-----------|-----------|-----------------|-----------------|-----------------|
| | | g/t | g/t | g/t |
| BCDD10007 | 84-85 | 1.38 / 1.43 | 1.43 | 1.44 |
| BCDD10007 | 85-86 | 2.21 | 1.73 | 2.30 |
| BCDD10007 | 86-87 | 3.91 | 3.64 | 5.19 |
| BCDD10007 | 87-88 | 9.91 | 30.90 | 34.10 |
| BCDD10007 | 88-89 | 6.32 | 4.33 | 4.41 |
| BCDD10007 | 89-90 | 1.17 | 4.96 | 1.54 |
| BCDD10007 | 90-91 | 0.97 | 0.97 | 0.82 |
| BCDD10007 | 91-92 | 0.94 | 1.23 | 1.03 |
| BCDD10007 | 92-93 | 0.55 | 0.73 | 0.58 |
| BCDD10007 | 93-94 | 0.76 | 0.65 | 1.01 |
| BCDD10007 | 114-115 | 0.07 | 0.05 | 0.10 |
| BCDD10007 | 115-116 | 0.89 | 2.92 | 0.95 |
| BCDD10007 | 116-117 | 0.72 | 0.96 | 0.51 |
| BCDD10007 | 117-118 | 0.27 | 0.26 | 0.14 |
| BCDD10007 | 118-119 | 0.04 / 0.05 | 0.07 | 0.07 |
| BCDD10007 | 119-120 | 1.57 | 0.92 | 2.27 |
| BCDD10007 | 120-121 | 0.30 | 0.11 | 0.15 |
| BCDD10007 | 121-122 | 1.19 / 1.63 | 0.99 | 2.42 |
| BCDD10007 | 122-123 | 0.36 | 0.39 | 0.55 |
| BCDD10007 | 123-124 | 0.33 | 0.53 | 0.38 |
| BCDD10007 | 124-125 | 0.31 | 0.44 | 0.81 |
| BCDD10007 | 125-126 | 0.31 | 0.39 | 0.42 |
| | | | | |
| | | | | |
| | | | | |

APPENDIX III

Coarse Feed Direct Cyanide Time Leach Testwork

Details and Results

COARSE CRUSH SIZE CYANIDATION TIME LEACH TESTWORK- SUMMARY RESULTS

| Sample ID | Test ID | Conditions | Head Au Grade (g/t) | Au Extraction (%) | | | | | | Tail Au Grade (g/t) | Reagents (kg/t) | |
|---|---------|--|------------------------|-------------------|-------|-------|-------|--------|--------|------------------------|-----------------|------|
| | | | | Calc Head | 2-hr | 24-hr | 72-hr | 144-hr | 240-hr | | NaCN | Lime |
| COMPOSITE #1 BCDDD10007 (84m to 94m) | CR1109 | Crush Size: <10mm Initial: 0.1% NaCN Maintain: >0.05% NaCN pH: 11 | 2.40 / 2.30 | 2.34 | 6.40 | 42.41 | 58.50 | 69.83 | 76.53 | 0.61 / 0.49 | 0.18 | 0.72 |
| COMPOSITE #2 BCDDD10007 (114m to 126m) | CR1110 | | 0.50 / 0.70 | 0.59 | 16.97 | 45.34 | 56.03 | 65.67 | 71.15 | 0.17 / 0.17 | 0.19 | 0.53 |
| COMPOSITE #3 BCDDD10008 | CR1111 | | 1.25 / 1.64 | 1.74 | 45.06 | 87.72 | 92.73 | 94.36 | 95.41 | 0.08 / 0.08 | 0.20 | 2.02 |

| | |
|-----------------|--------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1109 |
| SAMPLE IDENTITY | COMPOSITE #1 |
| | BCDDD10007 (84m to 94m) |
| GRIND SIZE | P 100 : 10 (mm) |
| WATER | PERTH TAP WATER |
| DATE | JUN 2015 |

**COARSE CRUSH SIZE CYANIDATION TIME LEACH TESTWORK
INTERMITTENT ROLL AGITATION : 1 MINUTE PER HOUR OF LEACH**

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| | 4000.0 | 4000.0 | | | 7.6 | 7.8 | | | | | | | | | | |
| 0 | | 4000.0 | 4.00 | 0.97 | | 11.0 | 0.100 | 0.00 | | | | | | | | 0.00 |
| 2 | | 3970.0 | 0.00 | 0.30 | 6.3 | 10.5 | 0.085 | 0.15 | 30 | 0.026 | 5 | 5 | 596 | 600 | 6.40 | |
| 4 | | 3940.0 | 0.00 | 0.30 | 6.2 | 10.6 | 0.075 | 0.28 | 30 | 0.023 | 8 | 13 | 1084 | 1096 | 11.70 | |
| 8 | | 3910.0 | 0.00 | 0.33 | 6.2 | 10.7 | 0.070 | 0.45 | 30 | 0.021 | 13 | 26 | 1740 | 1766 | 18.84 | |
| 24 | | 3880.0 | 0.00 | 0.42 | 7.5 | 10.6 | 0.058 | 1.01 | 30 | 0.017 | 30 | 56 | 3919 | 3975 | 42.41 | |
| 48 | | 3850.0 | 0.00 | 0.18 | 7.8 | 10.9 | 0.055 | 1.24 | 30 | 0.017 | 37 | 94 | 4774 | 4868 | 51.93 | |
| 72 | | 3820.0 | 0.00 | 0.00 | 8.0 | 11.2 | 0.050 | 1.40 | 30 | 0.015 | 42 | 136 | 5348 | 5484 | 58.50 | |
| 96 | | 3790.0 | 0.00 | 0.00 | 8.0 | 11.0 | 0.043 | 1.50 | 30 | 0.013 | 45 | 181 | 5685 | 5866 | 62.58 | |
| 120 | | 3760.0 | 0.00 | 0.00 | 7.7 | 11.0 | 0.098 | 1.61 | 30 | 0.029 | 48 | 229 | 6054 | 6283 | 67.02 | |
| 144 | | 3730.0 | 0.00 | 0.21 | 7.7 | 10.7 | 0.093 | 1.68 | 30 | 0.028 | 50 | 279 | 6266 | 6546 | 69.83 | |
| 168 | | 3700.0 | 0.00 | 0.18 | 7.6 | 10.9 | 0.093 | 1.74 | 30 | 0.028 | 52 | 332 | 6438 | 6770 | 72.22 | |
| 192 | | 3670.0 | 0.00 | 0.00 | 7.7 | 11.1 | 0.093 | 1.76 | 30 | 0.028 | 53 | 384 | 6459 | 6844 | 73.01 | |
| 216 | | 3640.0 | 0.00 | 0.00 | 8.1 | 11.0 | 0.090 | 1.84 | 30 | 0.027 | 55 | 440 | 6698 | 7137 | 76.14 | |
| 240 | | 3610.0 | 0.00 | 0.00 | 8.1 | 11.0 | 0.083 | 1.85 | 30 | 0.025 | 56 | 495 | 6679 | 7174 | 76.53 | |
| TOTAL | | | 4.00 | 2.9 | | | | | 390 | 0.296 | 495 | | | | | |

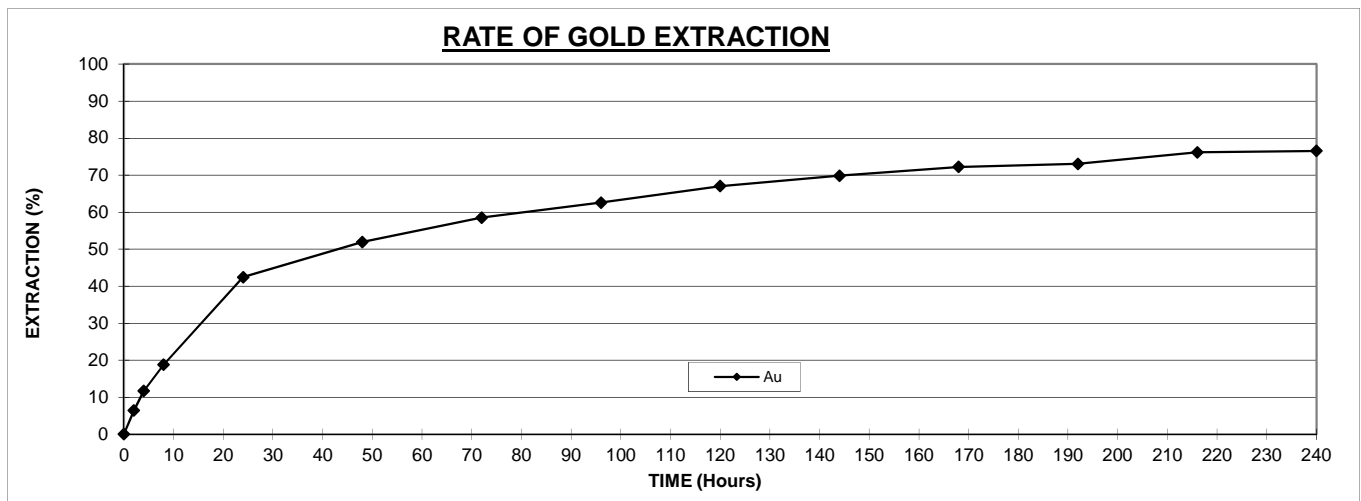
GOLD EXTRACTION CALCULATIONS

| Product | Quantity | Gold | | |
|--------------------|----------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 4000.0 | 0.55 | 2200 | 23.47 |
| Solution (mL) | 3610.0 | 1.85 | 6679 | 71.25 |
| Solution Samples * | | | 495 | 5.28 |
| Total Extraction | | | | 76.53 |
| Total | | | 9374 | 100.00 |
| Calculated Head | | 2.34 | | |
| Assay Head | | 2.40 / 2.30 | | |

COMMENTS :

- NaCN Addition : 1.00 (Kg/t)
- NaCN Consumption (kg/t) : 0.18 (Kg/t)
- Lime Consumption (kg/t) : 0.72 (Kg/t)
- Perth tap water used : 1,000 (SG)
- Water Weight To Leach : 4000.0 (g)
- Crush Size P 100 : 10 (mm)
- Evaporation Losses were Made Up For Prior To Sampling At Each Period.
- 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.



| | |
|-----------------|---------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1110 |
| SAMPLE IDENTITY | COMPOSITE #2 |
| | BCDDD10007 (114m to 126m) |
| GRIND SIZE | P 100 : 10 (mm) |
| WATER | PERTH TAP WATER |
| DATE | JUN 2015 |

COARSE CRUSH SIZE CYANIDATION TIME LEACH TESTWORK
INTERMITTENT ROLL AGITATION : 1 MINUTE PER HOUR OF LEACH

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| | 4000.0 | 4000.0 | | | 7.4 | 7.9 | | | | | | | | | | |
| 0 | | 4000.0 | 4.00 | 0.93 | | 11.0 | 0.100 | 0.00 | | | | | | | | 0.00 |
| 2 | | 3970.0 | 0.00 | 0.31 | 7.8 | 10.6 | 0.095 | 0.10 | 30 | 0.029 | 3 | 3 | 397 | 400 | 16.97 | |
| 4 | | 3940.0 | 0.00 | 0.24 | 8.0 | 10.9 | 0.095 | 0.15 | 30 | 0.029 | 5 | 8 | 591 | 599 | 25.39 | |
| 8 | | 3910.0 | 0.00 | 0.00 | 7.9 | 10.0 | 0.090 | 0.19 | 30 | 0.027 | 6 | 13 | 723 | 736 | 31.24 | |
| 24 | | 3880.0 | 0.00 | 0.48 | 7.9 | 10.7 | 0.088 | 0.27 | 30 | 0.026 | 8 | 21 | 1048 | 1069 | 45.34 | |
| 48 | | 3850.0 | 0.00 | 0.00 | 8.0 | 11.1 | 0.088 | 0.32 | 30 | 0.026 | 10 | 31 | 1232 | 1263 | 53.58 | |
| 72 | | 3820.0 | 0.00 | 0.00 | 8.1 | 11.2 | 0.088 | 0.34 | 30 | 0.026 | 10 | 41 | 1280 | 1321 | 56.03 | |
| 96 | | 3790.0 | 0.00 | 0.00 | 8.0 | 11.1 | 0.085 | 0.36 | 30 | 0.026 | 11 | 51 | 1345 | 1397 | 59.27 | |
| 120 | | 3760.0 | 0.00 | 0.00 | 7.9 | 11.0 | 0.083 | 0.38 | 30 | 0.025 | 11 | 63 | 1410 | 1473 | 62.48 | |
| 144 | | 3730.0 | 0.00 | 0.14 | 7.8 | 10.7 | 0.083 | 0.40 | 30 | 0.025 | 12 | 75 | 1473 | 1548 | 65.67 | |
| 168 | | 3700.0 | 0.00 | 0.00 | 7.7 | 10.9 | 0.083 | 0.41 | 30 | 0.025 | 12 | 87 | 1499 | 1585 | 67.26 | |
| 192 | | 3670.0 | 0.00 | 0.00 | 7.8 | 11.1 | 0.083 | 0.42 | 30 | 0.025 | 13 | 99 | 1541 | 1641 | 69.61 | |
| 216 | | 3640.0 | 0.00 | 0.00 | 8.1 | 11.0 | 0.083 | 0.42 | 30 | 0.025 | 12 | 112 | 1511 | 1622 | 68.83 | |
| 240 | | 3610.0 | 0.00 | 0.00 | 8.1 | 11.0 | 0.080 | 0.43 | 30 | 0.024 | 13 | 125 | 1552 | 1677 | 71.15 | |
| TOTAL | | | 4.00 | 2.1 | | | | | 390 | 0.337 | 125 | | | | | |

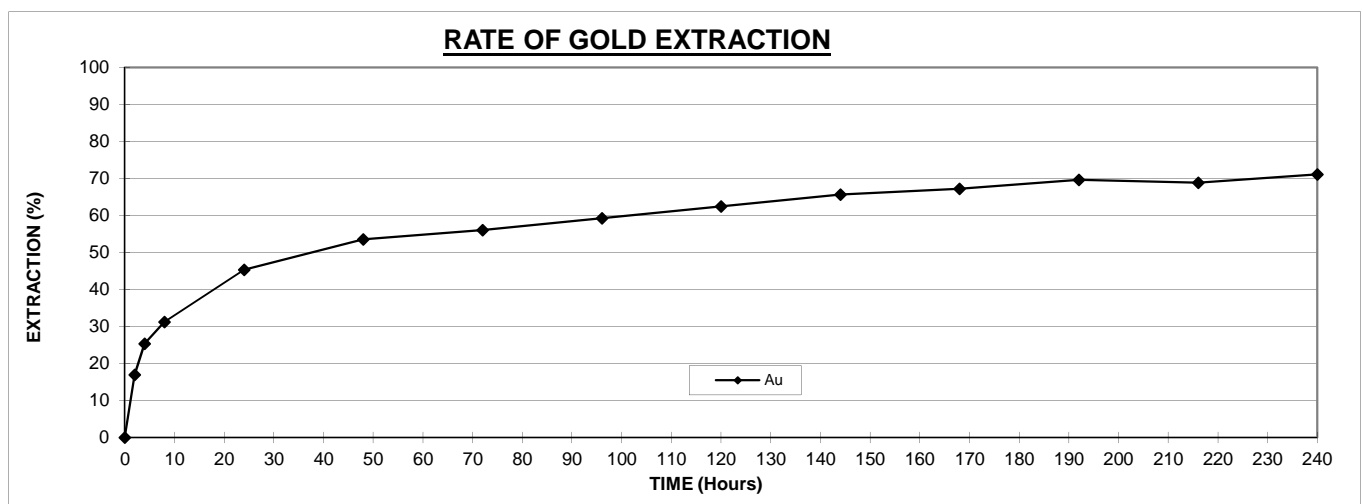
GOLD EXTRACTION CALCULATIONS

| Product | Quantity | Gold | | |
|--------------------|----------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 4000.0 | 0.17 | 680 | 28.85 |
| Solution (mL) | 3610.0 | 0.43 | 1552 | 65.86 |
| Solution Samples * | | | 125 | 5.29 |
| Total Extraction | | | | 71.15 |
| Total | | | 2357 | 100.00 |
| Calculated Head | | 0.59 | | |
| Assay Head | | 0.50 / 0.70 | | |

COMMENTS :

- NaCN Addition : 1.00 (Kg/t)
- NaCN Consumption (kg/t) : 0.19 (Kg/t)
- Lime Consumption (kg/t) : 0.53 (Kg/t)
- Perth tap water used : 1.000 (SG)
- Water Weight To Leach : 4000.0 (g)
- Crush Size P 100 : 10 (mm)
- Evaporation Losses were Made Up For Prior To Sampling At Each Period.
- 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.



| | |
|-----------------|------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1111 |
| SAMPLE IDENTITY | COMPOSITE #3 |
| | BCDDD10008 |
| GRIND SIZE | P 100 : 10 (mm) |
| WATER | PERTH TAP WATER |
| DATE | JUN 2015 |

COARSE CRUSH SIZE CYANIDATION TIME LEACH TESTWORK
INTERMITTENT ROLL AGITATION : 1 MINUTE PER HOUR OF LEACH

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extrn. Total (µg) | Au Extrn. Total (%) |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|----------------------|---------------------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | |
| | 4000.0 | 4000.0 | | | 9.1 | 7.1 | | | | | | | | | |
| 0 | | 4000.0 | 4.00 | 4.23 | | 11.0 | 0.100 | 0.00 | | | | | | | 0.00 |
| 2 | | 3970.0 | 0.00 | 0.77 | 8.3 | 10.6 | 0.093 | 0.79 | 30 | 0.028 | 24 | 24 | 3116 | 3140 | 45.06 |
| 4 | | 3940.0 | 0.00 | 0.46 | 8.3 | 10.8 | 0.093 | 1.03 | 30 | 0.028 | 31 | 54 | 4058 | 4113 | 59.02 |
| 8 | | 3910.0 | 0.00 | 0.21 | 8.0 | 10.9 | 0.093 | 1.23 | 30 | 0.028 | 37 | 91 | 4809 | 4901 | 70.33 |
| 24 | | 3880.0 | 0.00 | 0.78 | 8.0 | 10.7 | 0.093 | 1.54 | 30 | 0.028 | 46 | 138 | 5975 | 6113 | 87.72 |
| 48 | | 3850.0 | 0.00 | 0.71 | 8.1 | 10.9 | 0.088 | 1.62 | 30 | 0.026 | 49 | 186 | 6237 | 6423 | 92.18 |
| 72 | | 3820.0 | 0.00 | 0.00 | 8.2 | 11.3 | 0.088 | 1.63 | 30 | 0.026 | 49 | 235 | 6227 | 6462 | 92.73 |
| 96 | | 3790.0 | 0.00 | 0.00 | 8.1 | 11.2 | 0.088 | 1.63 | 30 | 0.026 | 49 | 284 | 6178 | 6462 | 92.73 |
| 120 | | 3760.0 | 0.00 | 0.00 | 8.0 | 11.1 | 0.088 | 1.65 | 30 | 0.026 | 50 | 333 | 6204 | 6537 | 93.82 |
| 144 | | 3730.0 | 0.00 | 0.21 | 7.8 | 10.9 | 0.085 | 1.66 | 30 | 0.026 | 50 | 383 | 6192 | 6575 | 94.36 |
| 168 | | 3700.0 | 0.00 | 0.00 | 7.7 | 11.0 | 0.085 | 1.66 | 30 | 0.026 | 50 | 433 | 6142 | 6575 | 94.36 |
| 192 | | 3670.0 | 0.00 | 0.70 | 7.8 | 10.9 | 0.850 | 1.66 | 30 | 0.255 | 50 | 483 | 6092 | 6575 | 94.36 |
| 216 | | 3640.0 | 0.00 | 0.00 | 8.1 | 11.2 | 0.083 | 1.67 | 30 | 0.025 | 50 | 533 | 6079 | 6612 | 94.89 |
| 240 | | 3610.0 | 0.00 | 0.00 | 8.1 | 11.3 | 0.073 | 1.68 | 30 | 0.022 | 50 | 583 | 6065 | 6648 | 95.41 |
| TOTAL | | | 4.00 | 8.1 | | | | | 390 | 0.570 | 583 | | | | |

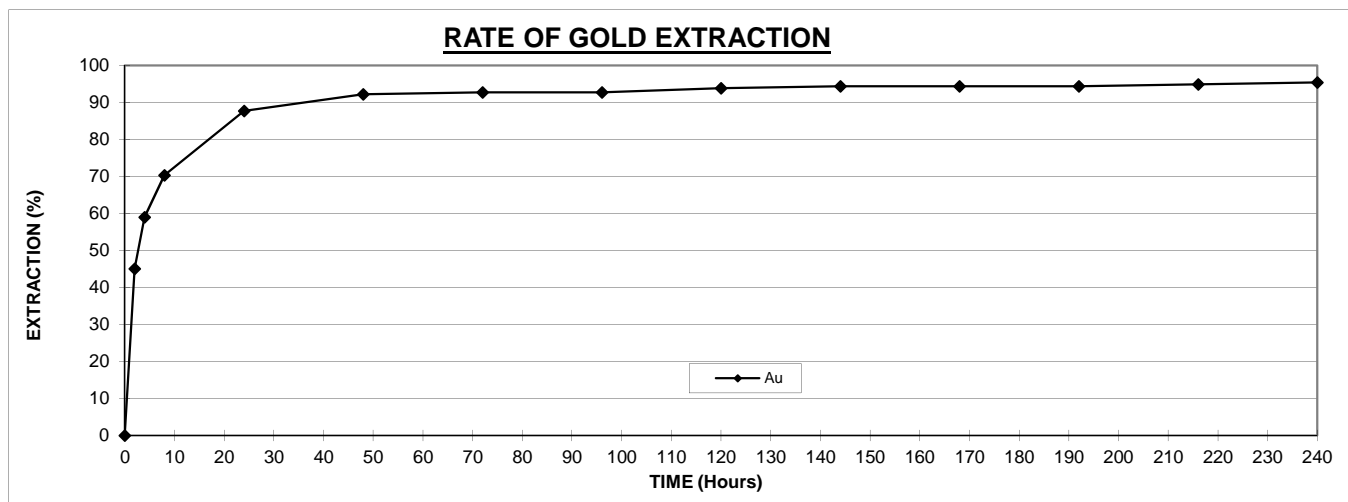
GOLD EXTRACTION CALCULATIONS

| Product | Quantity | Gold | | |
|--------------------|----------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 4000.0 | 0.08 | 320 | 4.59 |
| Solution (mL) | 3610.0 | 1.68 | 6065 | 87.04 |
| Solution Samples * | | | 583 | 8.37 |
| Total Extraction | | | | 95.41 |
| Total | | | 6968 | 100.00 |
| Calculated Head | | 1.74 | | |
| Assay Head | | 1.25 / 1.64 | | |

COMMENTS :

- NaCN Addition : 1.00 (Kg/t)
- NaCN Consumption (kg/t) : 0.20 (Kg/t)
- Lime Consumption (kg/t) : 2.02 (Kg/t)
- Perth tap water used : 1.000 (SG)
- Water Weight To Leach : 4000.0 (g)
- Crush Size P 100 : 10 (mm)
- Evaporation Losses were Made Up For Prior To Sampling At Each Period.
- 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.



APPENDIX IV

Gravity/Direct Cyanide Time Leach Testwork Details and Results

GRAVITY - DIRECT CYANIDATION TIME LEACH TESTWORK: SUMMARY RESULTS

| Sample ID | Test ID | Conditions Grind Size (µm) | Head Au Grade (g/t) | Au Extraction (%) | | | | | | | | Tail Au Grade (g/t) | Reagents (kg/t) | |
|---|---------|-------------------------------|---------------------------|-------------------|---------|------|------|------|-------|-------|-------|------------------------|-----------------|------|
| | | | | Calc Head | Gravity | 2-hr | 4-hr | 8-hr | 16-hr | 24-hr | 48-hr | | NaCN | Lime |
| COMPOSITE #1 BCDDD10007 (84m to 94m) | CR1134 | 150 | 2.38 / 2.33 / 3.20 / 2.40 | 3.83 | 13.8 | 39.8 | 73.7 | 92.9 | 95.8 | 95.8 | 96.9 | 0.12 | 1.30 | 0.40 |
| | CR1137 | 106 | 2.38 / 2.33 / 3.20 / 2.40 | 3.98 | 13.3 | 36.3 | 76.2 | 96.1 | 97.2 | 97.2 | 97.9 | 0.09 | 1.34 | 0.42 |
| | CR1140 | 75 | 2.38 / 2.33 / 3.20 / 2.40 | 3.59 | 14.7 | 41.2 | 79.8 | 98.6 | 98.6 | 99.0 | 99.0 | 0.04 | 1.34 | 0.44 |
| COMPOSITE #2 BCDDD10007 (114m to 126m) | CR1135 | 150 | 0.50 / 0.70 | 0.67 | 18.8 | 81.9 | 86.3 | 88.5 | 88.5 | 88.5 | 89.5 | 0.07 | 0.32 | 0.38 |
| | CR1138 | 106 | 0.50 / 0.70 | 0.70 | 17.8 | 87.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 0.06 | 0.46 | 0.36 |
| | CR1141 | 75 | 0.50 / 0.70 | 0.81 | 15.5 | 88.7 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 0.06 | 0.36 | 0.43 |
| COMPOSITE #3 BCDDD10008 | CR1136 | 150 | 1.64 / 1.25 | 1.52 | 17.2 | 86.4 | 94.6 | 96.0 | 97.4 | 99.2 | 98.4 | 0.03 | 0.32 | 0.68 |
| | CR1139 | 106 | 1.64 / 1.25 | 1.67 | 15.6 | 85.5 | 96.0 | 97.3 | 99.4 | 99.4 | 99.4 | 0.01 | 0.36 | 0.68 |
| | CR1142 | 75 | 1.64 / 1.25 | 1.56 | 16.7 | 86.9 | 94.9 | 96.3 | 99.0 | 99.0 | 99.0 | 0.02 | 0.33 | 0.73 |

| | |
|-----------------|--------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1124 |
| SAMPLE IDENTITY | COMPOSITE #1 |
| | BCDDD10007 (84m to 94m) |
| GRIND | P 100 : 2.0 mm |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

INTENSIVE CYANIDATION LEACH TESTWORK ON KNELSON GRAVITY CONCENTRATE

| TIME (Hours) | ADDITIONS | | | | | SOLUTION DATA | | | | EXTRACTION |
|-----------------|---------------|--------------|-------------|-------------|------------------|-----------------|------|-------------|-------------|------------|
| | Solids (g) | Water (g) | NaCN (g) | NaOH (g) | LeachWell (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Au (%) |
| 0 | 340.1 | 510.1 | 25.5 | 3.6 | 10.2 | 9.0 | 7.8 | 5.00 | | |
| 24 | | | 0.0 | 0.0 | 0.0 | 29.6 | 12.3 | 4.65 | 31.0 | 94.20 |

GOLD EXTRACTION CALCULATIONS

| Product | Quantity | GOLD | | |
|-----------------|----------|----------------|---------------|---------------|
| | | Assay (ppm) | Total (µg) | Dist'n (%) |
| Solids (g) | 340.1 | 2.86 | 974 | 5.80 |
| Solution (mL) | 510.1 | 31.000 | 15812 | 94.20 |
| Total | | | 16786 | 100.00 |
| Calculated Head | | 49.36 | | |
| | | | | |

COMMENTS

- NaCN addition : 74.99 (Kg/t)
- NaCN consumption : 5.24 (Kg/t)
- NaOH addition: 10.5 (Kg/t)
- LeachWELL addition: 30.0 (Kg/t)
- Perth tap water used : 1.001 (SG)
- Grind Size P 100 : 2.0 (mm)
- Leach test conducted in leach bottle with roll agitation.
- Evaporation losses made up prior to sampling at termination (24 hours).

* Head screen fire assay

| | |
|-----------------|-------------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1125 |
| SAMPLE IDENTITY | COMPOSITE #2 |
| | BCDDD10007 114m to 126m (12m) |
| GRIND | P 100 : 2.0 mm |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

INTENSIVE CYANIDATION LEACH TESTWORK ON KNELSON GRAVITY CONCENTRATE

| TIME (Hours) | ADDITIONS | | | | | SOLUTION DATA | | | | EXTRACTION |
|-----------------|---------------|--------------|-------------|-------------|------------------|-----------------|------|-------------|-------------|------------|
| | Solids (g) | Water (g) | NaCN (g) | NaOH (g) | LeachWell (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Au (%) |
| 0 | 360.8 | 541.2 | 27.1 | 3.8 | 10.8 | 8.9 | 7.9 | 5.00 | | |
| 24 | | | 0.0 | 0.0 | 0.0 | 32.8 | 12.4 | 4.75 | 6.950 | 85.04 |

GOLD EXTRACTION CALCULATIONS

| Product | Quantity | GOLD | | |
|-----------------|----------|----------------|---------------|---------------|
| | | Assay (ppm) | Total (µg) | Dist'n (%) |
| Solids (g) | 360.8 | 1.83 | 661 | 14.96 |
| Solution (mL) | 541.2 | 6.950 | 3761 | 85.04 |
| Total | | | 4423 | 100.00 |
| Calculated Head | | 12.26 | | |
| | | | | |

COMMENTS

1. NaCN addition : 75.00 (Kg/t)
2. NaCN consumption : 3.75 (Kg/t)
3. NaOH addition: 10.5 (Kg/t)
4. LeachWELL addition: 30.0 (Kg/t)
5. Perth tap water used : 1.001 (SG)
6. Grind Size P 100 : 2.0 (mm)
7. Leach test conducted in leach bottle with roll agitation.
8. Evaporation losses made up prior to sampling at termination (24 hours).

* Head screen fire assay

| | |
|-----------------|-----------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1126 |
| SAMPLE IDENTITY | COMPOSITE #3 |
| | BCDDD10008 48m to 68m (20m) |
| GRIND | P 100 : 2.0 mm |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

INTENSIVE CYANIDATION LEACH TESTWORK ON KNELSON GRAVITY CONCENTRATE

| TIME (Hours) | ADDITIONS | | | | | SOLUTION DATA | | | | EXTRACTION |
|-----------------|---------------|--------------|-------------|-------------|------------------|-----------------|------|-------------|-------------|------------|
| | Solids (g) | Water (g) | NaCN (g) | NaOH (g) | LeachWell (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Au (%) |
| 0 | 245.9 | 368.8 | 18.4 | 2.6 | 7.4 | 9.0 | 7.8 | 5.00 | | |
| 24 | | | 0.0 | 0.0 | 0.0 | 33.7 | 12.4 | 4.93 | 17.000 | 99.66 |

GOLD EXTRACTION CALCULATIONS

| Product | Quantity | GOLD | | |
|-----------------|----------|----------------|---------------|---------------|
| | | Assay (ppm) | Total (µg) | Dist'n (%) |
| Solids (g) | 245.9 | 0.09 | 21 | 0.34 |
| Solution (mL) | 368.8 | 17.000 | 6269 | 99.66 |
| Total | | | 6291 | 100.00 |
| Calculated Head | | 25.59 | | |
| | | | | |

COMMENTS

1. NaCN addition : 75.00 (Kg/t)
2. NaCN consumption : 1.05 (Kg/t)
3. NaOH addition: 10.5 (Kg/t)
4. LeachWELL addition: 30.0 (Kg/t)
5. Perth tap water used : 1.001 (SG)
6. Grind Size P 100 : 2.0 (mm)
7. Leach test conducted in leach bottle with roll agitation.
8. Evaporation losses made up prior to sampling at termination (24 hours).

* Head screen fire assay

| | |
|------------------------|---|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1134 ex-CR1124 |
| SAMPLE IDENTITY | COMPOSITE #1 |
| | BCDDD10007 (84m to 94m) |
| GRIND SIZE | P 100 : 150 (µm) |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

DIRECT CYANIDATION TIME LEACH TESTWORK ON GRAVITY TAIL: OXYGEN SPARGE

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|-------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| 0 | 1000.0 | 1500.0 | | | | 8.1 | | | | | | | | | | |
| 2 | | 1500.0 | 1.50 | 0.40 | 8.86 | 10.5 | 0.100 | 0.00 | | | | | | | | 13.75 |
| 4 | | 1470.0 | 0.86 | 0.00 | 25.56 | 10.4 | 0.043 | 0.67 | 30 | 0.013 | 20 | 20 | 978 | 998 | 39.77 | |
| 8 | | 1440.0 | 0.00 | 0.00 | 24.53 | 10.3 | 0.093 | 1.55 | 30 | 0.028 | 47 | 66 | 2232 | 2298 | 73.71 | |
| 16 | | 1410.0 | 0.00 | 0.00 | 26.85 | 10.3 | 0.083 | 2.06 | 30 | 0.025 | 62 | 128 | 2905 | 3033 | 92.87 | |
| 24 | | 1380.0 | 0.00 | 0.00 | 27.03 | 10.5 | 0.080 | 2.14 | 30 | 0.024 | 64 | 192 | 2953 | 3146 | 95.81 | |
| 48 | | 1350.0 | 0.00 | 0.00 | 23.57 | 10.4 | 0.080 | 2.14 | 30 | 0.024 | 64 | 257 | 2889 | 3146 | 95.81 | |
| 48 | | 1320.0 | 0.00 | 0.00 | 27.90 | 10.3 | 0.070 | 2.17 | 30 | 0.021 | 65 | 322 | 2864 | 3186 | 96.87 | |
| TOTAL | | | 2.36 | 0.40 | | | | | 180 | 0.135 | 322 | | | | | |

GOLD EXTRACTION CALCULATIONS

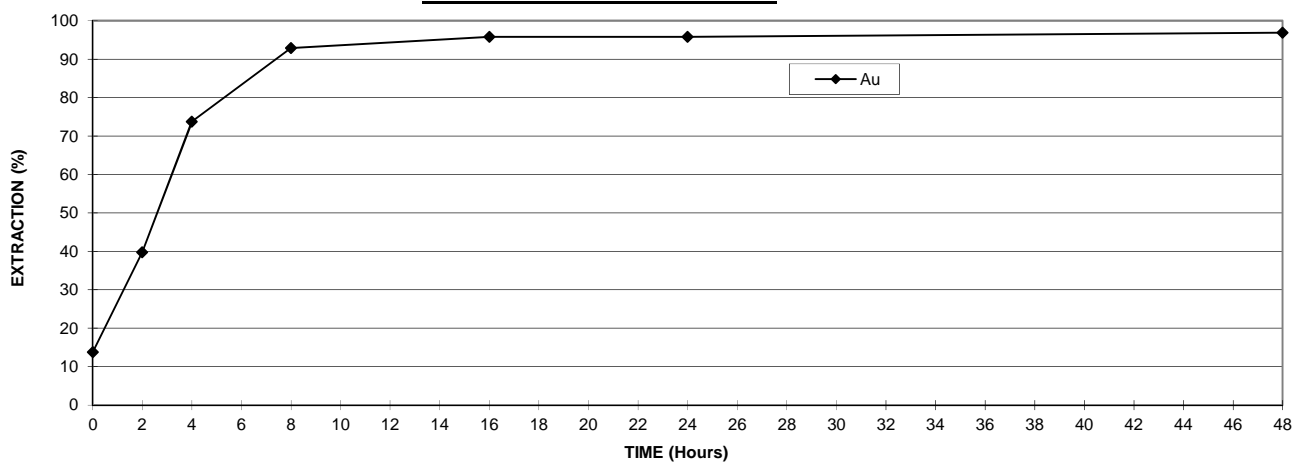
| Product | Quantity | Gold | | |
|-------------------------|---------------------------|-------------|-------------|---------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 1000.0 | 0.12 | 120 | 3.13 |
| Solution (mL) | 1320.0 | 2.17 | 2864 | 74.73 |
| Solution Samples * | | | 322 | 8.39 |
| Gravity Gold | | | 527 | 13.75 |
| Total Extraction | | | | 96.87 |
| Total | | | 3833 | 100.00 |
| Calculated Head | | 3.83 | | |
| Assay Head** | 2.38 / 2.33 / 3.20 / 2.40 | | | |

COMMENTS :

- NaCN Addition : 2.36 (Kg/t)
- NaCN Consumption (kg/t) : 1.30 (Kg/t)
- Lime Consumption (kg/t) : 0.40 (Kg/t)
- Perth tap water used : 1.000 (SG)
- Water Weight To Leach : 1500.0 (g)
- Grind Size P 80 : 150 (µm)
- 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.

RATE OF GOLD EXTRACTION



| | |
|-----------------|---------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1135 ex-CR1125 |
| SAMPLE IDENTITY | COMPOSITE #2 |
| | BCDDD10007 (114m to 126m) |
| GRIND SIZE | P 100 : 150 (µm) |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

DIRECT CYANIDATION TIME LEACH TESTWORK ON GRAVITY TAIL: OXYGEN SPARGE

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|-------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| 0 | 1000.0 | 1500.0 | | | | 8.3 | | | | | | | | | | |
| 2 | | 1500.0 | 1.50 | 0.38 | 8.15 | 10.6 | 0.100 | 0.00 | | | | | | | | 18.83 |
| 4 | | 1470.0 | 0.00 | 0.00 | 26.15 | 10.4 | 0.093 | 0.28 | 30 | 0.028 | 8 | 8 | 412 | 420 | 81.90 | |
| 8 | | 1440.0 | 0.00 | 0.00 | 25.54 | 10.3 | 0.090 | 0.30 | 30 | 0.027 | 9 | 17 | 432 | 449 | 86.31 | |
| 16 | | 1410.0 | 0.00 | 0.00 | 26.09 | 10.3 | 0.088 | 0.31 | 30 | 0.026 | 9 | 27 | 437 | 464 | 88.47 | |
| 24 | | 1380.0 | 0.00 | 0.00 | 29.20 | 10.4 | 0.080 | 0.31 | 30 | 0.024 | 9 | 36 | 428 | 464 | 88.47 | |
| 48 | | 1350.0 | 0.00 | 0.00 | 25.06 | 10.4 | 0.080 | 0.31 | 30 | 0.024 | 9 | 45 | 419 | 464 | 88.47 | |
| | | 1320.0 | 0.00 | 0.00 | 28.17 | 10.2 | 0.078 | 0.32 | 30 | 0.023 | 9 | 55 | 416 | 471 | 89.49 | |
| TOTAL | | | 1.50 | 0.38 | | | | | 180 | 0.153 | 55 | | | | | |

GOLD EXTRACTION CALCULATIONS

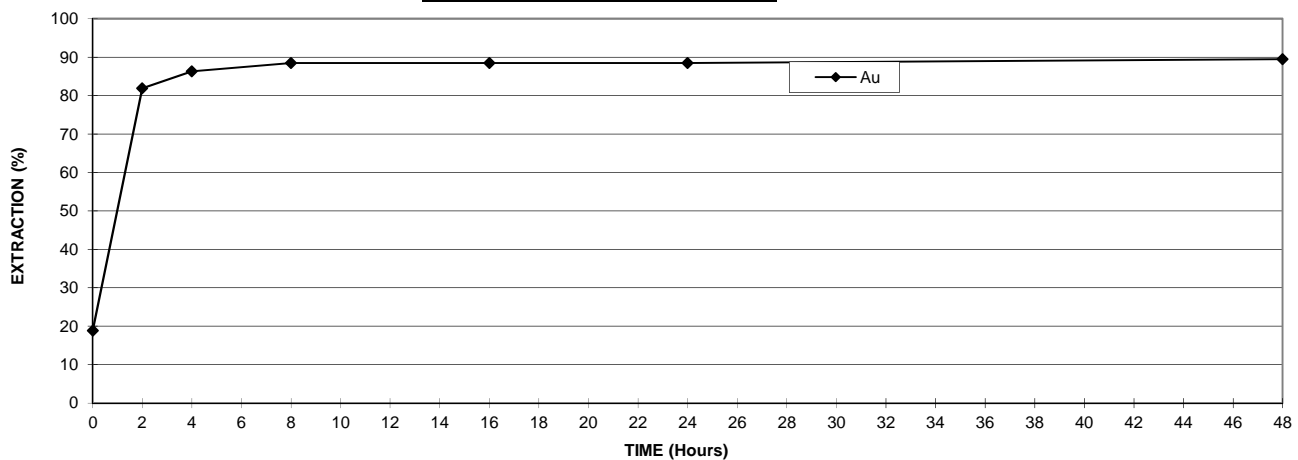
| Product | Quantity | Gold | | |
|--------------------|----------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 1000.0 | 0.07 | 70 | 10.51 |
| Solution (mL) | 1320.0 | 0.32 | 416 | 62.44 |
| Solution Samples * | | | 55 | 8.22 |
| Gravity Gold | | | 125 | 18.83 |
| Total Extraction | | | | 89.49 |
| Total | | | 666 | 100.00 |
| Calculated Head | | 0.67 | | |
| Assay Head** | | 0.50 / 0.70 | | |

COMMENTS :

1. NaCN Addition : 1.50 (Kg/t)
2. NaCN Consumption (kg/t) : 0.32 (Kg/t)
3. Lime Consumption (kg/t) : 0.38 (Kg/t)
4. Perth tap water used : 1.000 (SG)
5. Water Weight To Leach : 1500.0 (g)
6. Grind Size P 80 : 150 (µm)
7. 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.

RATE OF GOLD EXTRACTION



| | |
|-----------------|----------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1136 ex-CR1126 |
| SAMPLE IDENTITY | COMPOSITE #3 BCDDD10008 |
| GRIND SIZE | P 100 : 150 (µm) |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

DIRECT CYANIDATION TIME LEACH TESTWORK ON GRAVITY TAIL: OXYGEN SPARGE

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|-------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| 0 | 1000.0 | 1500.0 | | | | 7.9 | | | | | | | | | | |
| 2 | | 1500.0 | 1.50 | 0.68 | 9.61 | 10.5 | 0.100 | 0.00 | | | | | | | | 17.21 |
| 4 | | 1470.0 | 0.00 | 0.00 | 26.84 | 10.3 | 0.088 | 0.70 | 30 | 0.026 | 21 | 21 | 1029 | 1050 | 86.38 | |
| 8 | | 1440.0 | 0.00 | 0.00 | 25.62 | 10.2 | 0.085 | 0.79 | 30 | 0.026 | 24 | 45 | 1130 | 1175 | 94.61 | |
| 16 | | 1410.0 | 0.00 | 0.00 | 27.22 | 10.2 | 0.080 | 0.80 | 30 | 0.024 | 24 | 69 | 1128 | 1197 | 96.03 | |
| 24 | | 1380.0 | 0.00 | 0.00 | 29.44 | 10.3 | 0.080 | 0.82 | 30 | 0.024 | 24 | 93 | 1125 | 1218 | 97.42 | |
| 48 | | 1350.0 | 0.00 | 0.00 | 27.69 | 10.3 | 0.078 | 0.84 | 30 | 0.023 | 25 | 118 | 1127 | 1245 | 99.24 | |
| 48 | | 1320.0 | 0.00 | 0.00 | 28.60 | 10.2 | 0.078 | 0.83 | 30 | 0.023 | 25 | 143 | 1089 | 1232 | 98.35 | |
| TOTAL | | | 1.50 | 0.68 | | | | | 180 | 0.147 | 143 | | | | | |

GOLD EXTRACTION CALCULATIONS

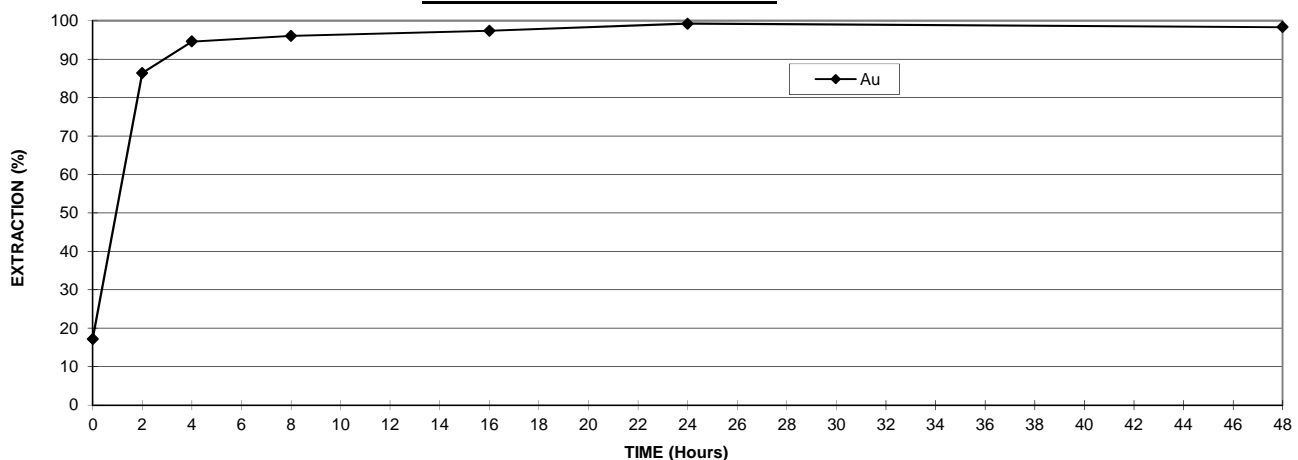
| Product | Quantity | Gold | | |
|--------------------|----------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 1000.0 | 0.03 | 25 | 1.65 |
| Solution (mL) | 1320.0 | 0.83 | 1089 | 71.74 |
| Solution Samples * | | | 143 | 9.41 |
| Gravity Gold | | | 261 | 17.21 |
| Total Extraction | | | | 98.35 |
| Total | | | 1518 | 100.00 |
| Calculated Head | | 1.52 | | |
| Assay Head** | | 1.64 / 1.25 | | |

COMMENTS :

- NaCN Addition : 1.50 (Kg/t)
- NaCN Consumption (kg/t) : 0.32 (Kg/t)
- Lime Consumption (kg/t) : 0.68 (Kg/t)
- Perth tap water used : 1.000 (SG)
- Water Weight To Leach : 1500.0 (g)
- Grind Size P 80 : 150 (µm)
- 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.

RATE OF GOLD EXTRACTION



| | |
|-----------------|--------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1137 ex-CR1124 |
| SAMPLE IDENTITY | COMPOSITE #1 |
| | BCDDD10007 (84m to 94m) |
| GRIND SIZE | P 100 : 106 (µm) |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

DIRECT CYANIDATION TIME LEACH TESTWORK ON GRAVITY TAIL: OXYGEN SPARGE

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|--|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| 0 | 1000.0 | 1500.0 | | | | 8.5 | | | | | | | | | | |
| 2 | | 1500.0 | 1.50 | 0.42 | 8.53 | 10.5 | 0.100 | 0.00 | | | | | | | | |
| 4 | | 1470.0 | 0.90 | 0.00 | 26.85 | 10.4 | 0.040 | 0.61 | 30 | 0.012 | 18 | 18 | 897 | 915 | 36.27 | |
| 8 | | 1440.0 | 0.00 | 0.00 | 25.36 | 10.5 | 0.090 | 1.69 | 30 | 0.027 | 51 | 69 | 2434 | 2503 | 76.20 | |
| 16 | | 1410.0 | 0.00 | 0.00 | 26.43 | 10.4 | 0.083 | 2.24 | 30 | 0.025 | 67 | 136 | 3158 | 3295 | 96.12 | |
| 24 | | 1380.0 | 0.00 | 0.00 | 29.58 | 10.6 | 0.078 | 2.27 | 30 | 0.023 | 68 | 204 | 3133 | 3337 | 97.18 | |
| 48 | | 1350.0 | 0.00 | 0.00 | 28.21 | 10.5 | 0.078 | 2.27 | 30 | 0.023 | 68 | 272 | 3065 | 3337 | 97.18 | |
| | | 1320.0 | 0.00 | 0.00 | 28.34 | 10.4 | 0.070 | 2.29 | 30 | 0.021 | 69 | 341 | 3023 | 3364 | 97.86 | |
| TOTAL | | | 2.40 | 0.42 | | | | | 180 | 0.132 | 341 | | | | | |

GOLD EXTRACTION CALCULATIONS

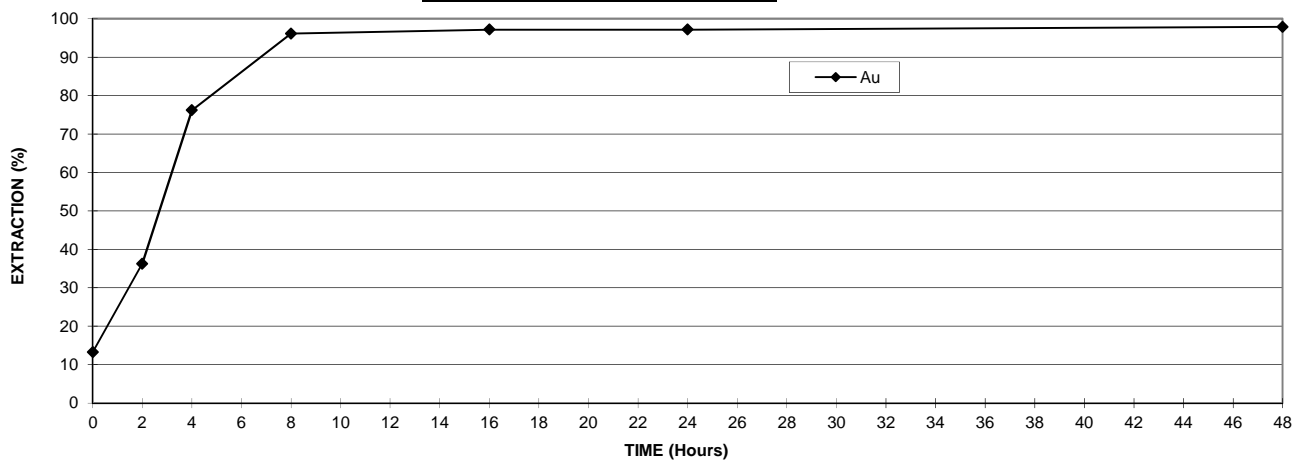
| Product | Quantity | Gold | | |
|--------------------|---------------------------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 1000.0 | 0.09 | 85 | 2.14 |
| Solution (mL) | 1320.0 | 2.29 | 3023 | 76.03 |
| Solution Samples * | | | 341 | 8.58 |
| Gravity Gold | | | 527 | 13.26 |
| Total Extraction | | | | 97.86 |
| Total | | | 3976 | 100.00 |
| Calculated Head | | 3.98 | | |
| Assay Head** | 2.38 / 2.33 / 3.20 / 2.40 | | | |

COMMENTS :

- NaCN Addition : 2.40 (Kg/t)
- NaCN Consumption (kg/t) : 1.34 (Kg/t)
- Lime Consumption (kg/t) : 0.42 (Kg/t)
- Perth tap water used : 1.000 (SG)
- Water Weight To Leach : 1500.0 (g)
- Grind Size P 80 : 106 (µm)
- 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.

RATE OF GOLD EXTRACTION



| | |
|-----------------|---------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1138 ex-CR1125 |
| SAMPLE IDENTITY | COMPOSITE #2 |
| | BCDDD10007 (114m to 126m) |
| GRIND SIZE | P 100 : 106 (µm) |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

DIRECT CYANIDATION TIME LEACH TESTWORK ON GRAVITY TAIL: OXYGEN SPARGE

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|-------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| 0 | 1000.0 | 1500.0 | | | | 8.5 | | | | | | | | | | |
| 2 | | 1500.0 | 1.50 | 0.36 | 7.81 | 10.5 | 0.100 | 0.00 | | | | | | | | 17.79 |
| 4 | | 1470.0 | 0.00 | 0.00 | 26.32 | 10.3 | 0.085 | 0.33 | 30 | 0.026 | 10 | 10 | 478 | 488 | 86.98 | |
| 8 | | 1440.0 | 0.00 | 0.00 | 24.92 | 10.3 | 0.085 | 0.35 | 30 | 0.026 | 11 | 20 | 504 | 524 | 92.19 | |
| 16 | | 1410.0 | 0.00 | 0.00 | 26.89 | 10.2 | 0.083 | 0.35 | 30 | 0.025 | 11 | 31 | 494 | 524 | 92.19 | |
| 24 | | 1380.0 | 0.00 | 0.00 | 29.36 | 10.4 | 0.083 | 0.35 | 30 | 0.025 | 11 | 41 | 483 | 524 | 92.19 | |
| 48 | | 1350.0 | 0.00 | 0.00 | 25.02 | 10.3 | 0.080 | 0.35 | 30 | 0.024 | 11 | 52 | 473 | 524 | 92.19 | |
| | | 1320.0 | 0.00 | 0.00 | 28.52 | 10.2 | 0.068 | 0.35 | 30 | 0.020 | 11 | 62 | 462 | 524 | 92.19 | |
| TOTAL | | | 1.50 | 0.36 | | | | | 180 | 0.145 | 62 | | | | | |

GOLD EXTRACTION CALCULATIONS

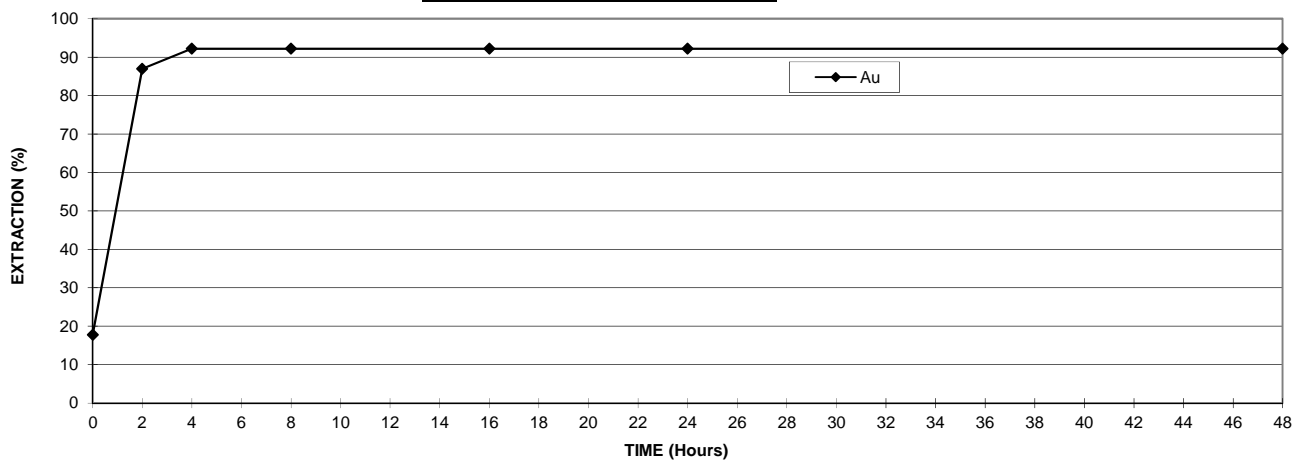
| Product | Quantity | Gold | | |
|--------------------|----------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 1000.0 | 0.06 | 55 | 7.81 |
| Solution (mL) | 1320.0 | 0.35 | 462 | 65.57 |
| Solution Samples * | | | 62 | 8.83 |
| Gravity Gold | | | 125 | 17.79 |
| Total Extraction | | | | 92.19 |
| Total | | | 705 | 100.00 |
| Calculated Head | | 0.70 | | |
| Assay Head** | | 0.50 / 0.70 | | |

COMMENTS :

1. NaCN Addition : 1.50 (Kg/t)
2. NaCN Consumption (kg/t) : 0.46 (Kg/t)
3. Lime Consumption (kg/t) : 0.36 (Kg/t)
4. Perth tap water used : 1.000 (SG)
5. Water Weight To Leach : 1500.0 (g)
6. Grind Size P 80 : 106 (µm)
7. 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.

RATE OF GOLD EXTRACTION



| | |
|-----------------|----------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1139 ex-CR1126 |
| SAMPLE IDENTITY | COMPOSITE #3 BCDDD10008 |
| GRIND SIZE | P 100 : 106 (µm) |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

DIRECT CYANIDATION TIME LEACH TESTWORK ON GRAVITY TAIL: OXYGEN SPARGE

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|-------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| 0 | 1000.0 | 1500.0 | | | | 7.9 | | | | | | | | | | |
| 2 | | 1500.0 | 1.50 | 0.68 | 8.68 | 10.5 | 0.100 | 0.00 | | | | | | | | 15.60 |
| 4 | | 1470.0 | 0.00 | 0.00 | 27.91 | 10.3 | 0.093 | 0.78 | 30 | 0.028 | 23 | 23 | 1147 | 1170 | 85.47 | |
| 8 | | 1440.0 | 0.00 | 0.00 | 26.77 | 10.2 | 0.083 | 0.90 | 30 | 0.025 | 27 | 50 | 1296 | 1346 | 96.01 | |
| 16 | | 1410.0 | 0.00 | 0.00 | 27.28 | 10.1 | 0.083 | 0.92 | 30 | 0.025 | 27 | 78 | 1290 | 1368 | 97.30 | |
| 24 | | 1380.0 | 0.00 | 0.00 | 30.55 | 10.3 | 0.083 | 0.94 | 30 | 0.025 | 28 | 106 | 1297 | 1403 | 99.40 | |
| 48 | | 1350.0 | 0.00 | 0.00 | 30.05 | 10.3 | 0.078 | 0.94 | 30 | 0.023 | 28 | 134 | 1269 | 1403 | 99.40 | |
| 48 | | 1320.0 | 0.00 | 0.00 | 29.67 | 10.1 | 0.075 | 0.94 | 30 | 0.023 | 28 | 162 | 1241 | 1403 | 99.40 | |
| TOTAL | | | 1.50 | 0.68 | | | | | 180 | 0.149 | 162 | | | | | |

GOLD EXTRACTION CALCULATIONS

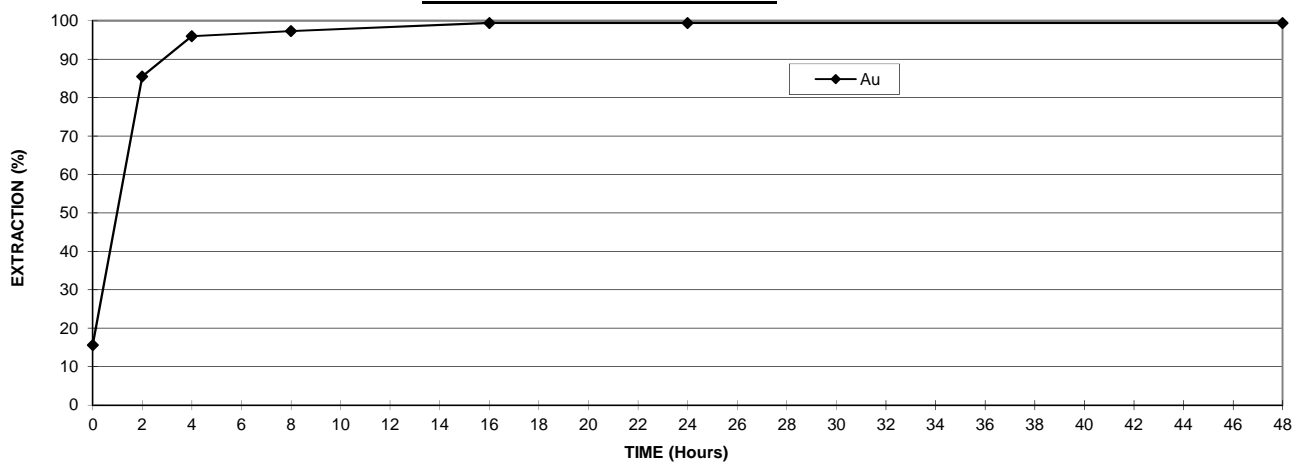
| Product | Quantity | Gold | | |
|--------------------|----------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 1000.0 | 0.01 | 10 | 0.60 |
| Solution (mL) | 1320.0 | 0.94 | 1241 | 74.10 |
| Solution Samples * | | | 162 | 9.70 |
| Gravity Gold | | | 261 | 15.60 |
| Total Extraction | | | | 99.40 |
| Total | | | 1674 | 100.00 |
| Calculated Head | | 1.67 | | |
| Assay Head** | | 1.64 / 1.25 | | |

COMMENTS :

- NaCN Addition : 1.50 (Kg/t)
- NaCN Consumption (kg/t) : 0.36 (Kg/t)
- Lime Consumption (kg/t) : 0.68 (Kg/t)
- Perth tap water used : 1.000 (SG)
- Water Weight To Leach : 1500.0 (g)
- Grind Size P 80 : 106 (µm)
- 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.

RATE OF GOLD EXTRACTION



| | |
|-----------------|--------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1140 ex-CR1124 |
| SAMPLE IDENTITY | COMPOSITE #1 |
| | BCDDD10007 (84m to 94m) |
| GRIND SIZE | P 100 : 75 (µm) |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

DIRECT CYANIDATION TIME LEACH TESTWORK ON GRAVITY TAIL: OXYGEN SPARGE

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|-------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| 0 | 1000.0 | 1500.0 | | | | 8.1 | | | | | | | | | | |
| 2 | | 1500.0 | 1.50 | 0.44 | 7.70 | 10.6 | 0.100 | 0.00 | | | | | | | | 14.66 |
| 4 | | 1470.0 | 0.93 | 0.00 | 23.80 | 10.5 | 0.038 | 0.64 | 30 | 0.011 | 19 | 19 | 933 | 953 | 41.16 | |
| 8 | | 1440.0 | 0.00 | 0.00 | 24.66 | 10.5 | 0.085 | 1.58 | 30 | 0.026 | 47 | 66 | 2275 | 2342 | 79.81 | |
| 16 | | 1410.0 | 0.00 | 0.00 | 26.64 | 10.6 | 0.085 | 2.05 | 30 | 0.026 | 62 | 128 | 2891 | 3018 | 98.64 | |
| 24 | | 1380.0 | 0.00 | 0.00 | 29.07 | 10.6 | 0.078 | 2.05 | 30 | 0.023 | 62 | 189 | 2829 | 3018 | 98.64 | |
| 48 | | 1350.0 | 0.00 | 0.00 | 25.04 | 10.6 | 0.078 | 2.06 | 30 | 0.023 | 62 | 251 | 2781 | 3032 | 99.03 | |
| 48 | | 1320.0 | 0.00 | 0.00 | 28.22 | 10.4 | 0.073 | 2.06 | 30 | 0.022 | 62 | 313 | 2719 | 3032 | 99.03 | |
| TOTAL | | | 2.43 | 0.44 | | | | | 180 | 0.131 | 313 | | | | | |

GOLD EXTRACTION CALCULATIONS

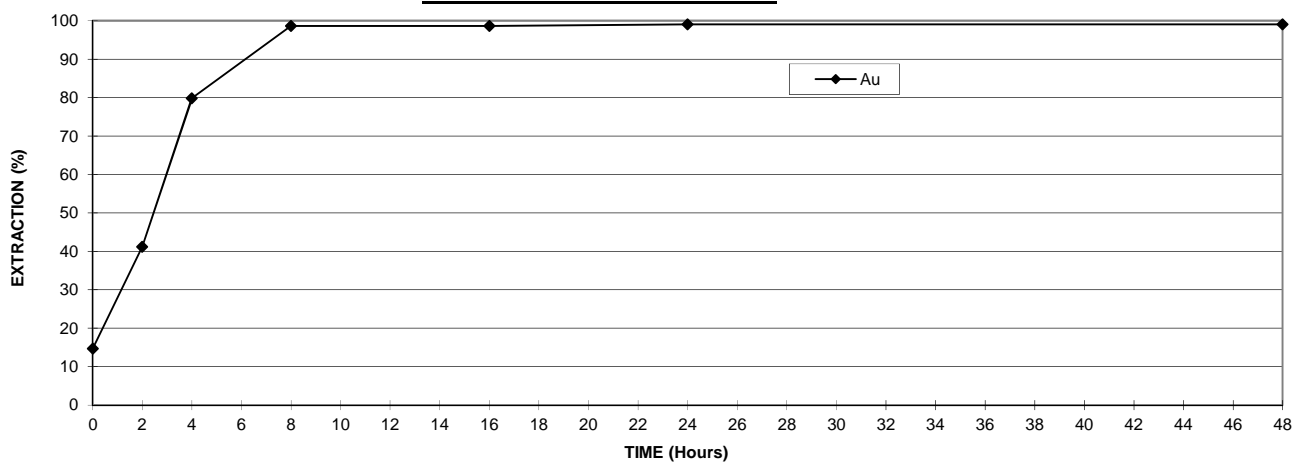
| Product | Quantity | Gold | | |
|--------------------|---------------------------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 1000.0 | 0.04 | 35 | 0.97 |
| Solution (mL) | 1320.0 | 2.06 | 2719 | 75.65 |
| Solution Samples * | | | 313 | 8.71 |
| Gravity Gold | | | 527 | 14.66 |
| Total Extraction | | | | 99.03 |
| Total | | | 3594 | 100.00 |
| Calculated Head | | 3.59 | | |
| Assay Head** | 2.38 / 2.33 / 3.20 / 2.40 | | | |

COMMENTS :

- NaCN Addition : 2.43 (Kg/t)
- NaCN Consumption (kg/t) : 1.34 (Kg/t)
- Lime Consumption (kg/t) : 0.44 (Kg/t)
- Perth tap water used : 1.000 (SG)
- Water Weight To Leach : 1500.0 (g)
- Grind Size P 80 : 75 (µm)
- 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.

RATE OF GOLD EXTRACTION



| | |
|-----------------|---------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1141 ex-CR1125 |
| SAMPLE IDENTITY | COMPOSITE #2 |
| | BCDDD10007 (114m to 126m) |
| GRIND SIZE | P 100 : 75 (µm) |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

DIRECT CYANIDATION TIME LEACH TESTWORK ON GRAVITY TAIL: OXYGEN SPARGE

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|-------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| 0 | 1000.0 | 1500.0 | | | | 8.5 | | | | | | | | | | |
| 2 | | 1500.0 | 1.50 | 0.43 | 6.70 | 10.5 | 0.100 | 0.00 | | | | | | | | 15.49 |
| 4 | | 1470.0 | 0.00 | 0.00 | 25.33 | 10.3 | 0.088 | 0.40 | 30 | 0.026 | 12 | 12 | 581 | 593 | 88.67 | |
| 8 | | 1440.0 | 0.00 | 0.00 | 25.87 | 10.2 | 0.085 | 0.42 | 30 | 0.026 | 13 | 24 | 605 | 629 | 93.21 | |
| 16 | | 1410.0 | 0.00 | 0.00 | 26.79 | 10.2 | 0.083 | 0.42 | 30 | 0.025 | 13 | 37 | 592 | 629 | 93.21 | |
| 24 | | 1380.0 | 0.00 | 0.00 | 30.57 | 10.4 | 0.080 | 0.42 | 30 | 0.024 | 13 | 50 | 580 | 629 | 93.21 | |
| 48 | | 1350.0 | 0.00 | 0.00 | 28.27 | 10.4 | 0.080 | 0.42 | 30 | 0.024 | 13 | 62 | 567 | 629 | 93.21 | |
| 48 | | 1320.0 | 0.00 | 0.00 | 29.58 | 10.2 | 0.075 | 0.42 | 30 | 0.023 | 13 | 75 | 554 | 629 | 93.21 | |
| TOTAL | | | 1.50 | 0.43 | | | | | 180 | 0.147 | 75 | | | | | |

GOLD EXTRACTION CALCULATIONS

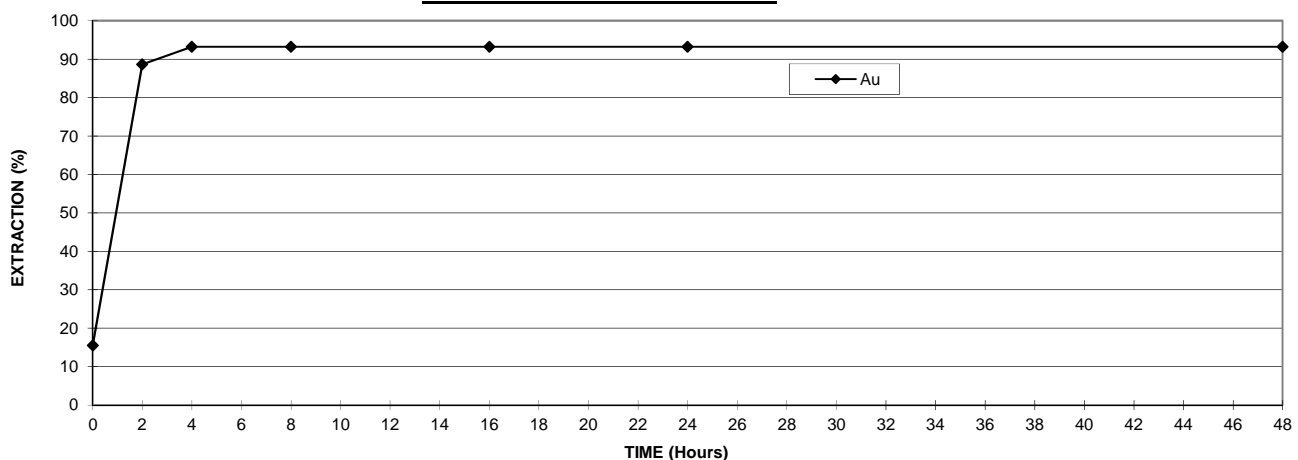
| Product | Quantity | Gold | | |
|--------------------|----------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 1000.0 | 0.06 | 55 | 6.79 |
| Solution (mL) | 1320.0 | 0.42 | 554 | 68.48 |
| Solution Samples * | | | 75 | 9.24 |
| Gravity Gold | | | 125 | 15.49 |
| Total Extraction | | | | 93.21 |
| Total | | | 810 | 100.00 |
| Calculated Head | | 0.81 | | |
| Assay Head** | | 0.50 / 0.70 | | |

COMMENTS :

1. NaCN Addition : 1.50 (Kg/t)
2. NaCN Consumption (kg/t) : 0.36 (Kg/t)
3. Lime Consumption (kg/t) : 0.43 (Kg/t)
4. Perth tap water used : 1.000 (SG)
5. Water Weight To Leach : 1500.0 (g)
6. Grind Size P 80 : 75 (µm)
7. 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.

RATE OF GOLD EXTRACTION



| | |
|-----------------|----------------------------|
| PROJECT | A16500 |
| CLIENT | ABM RESOURCES NL |
| TEST No | CR1142 ex-CR1126 |
| SAMPLE IDENTITY | COMPOSITE #3 BCDDD10008 |
| GRIND SIZE | P 100 : 75 (µm) |
| WATER | PERTH TAP WATER |
| DATE | JULY 2015 |

DIRECT CYANIDATION TIME LEACH TESTWORK ON GRAVITY TAIL: OXYGEN SPARGE

| Time (Hours) | Additions | | | | Solution Data | | | | Removed In Sample | | | | Au Leach Vessel (µg) | Au Extn. Total (µg) | Au Extn. Total (%) | |
|--------------|-----------|------------|----------|----------|---------------|------|----------|----------|-------------------|----------|---------|--------------|----------------------|---------------------|--------------------|-------|
| | Ore (g) | Water (mL) | NaCN (g) | Lime (g) | Oxygen (ppm) | pH | NaCN (%) | Au (ppm) | Vol (mL) | NaCN (g) | Au (µg) | Cumm Au (µg) | | | | |
| 0 | 1000.0 | 1500.0 | | | | 7.8 | | | | | | | | | | |
| 2 | | 1500.0 | 1.50 | 0.73 | 8.56 | 10.5 | 0.100 | 0.00 | | | | | | | | 16.74 |
| 4 | | 1470.0 | 0.00 | 0.00 | 26.24 | 10.3 | 0.085 | 0.73 | 30 | 0.026 | 22 | 22 | 1073 | 1095 | 86.93 | |
| 8 | | 1440.0 | 0.00 | 0.00 | 27.74 | 10.3 | 0.083 | 0.82 | 30 | 0.025 | 24 | 46 | 1174 | 1220 | 94.94 | |
| 16 | | 1410.0 | 0.00 | 0.00 | 26.43 | 10.2 | 0.080 | 0.83 | 30 | 0.024 | 25 | 71 | 1170 | 1242 | 96.33 | |
| 24 | | 1380.0 | 0.00 | 0.00 | 29.91 | 10.4 | 0.080 | 0.86 | 30 | 0.024 | 26 | 97 | 1187 | 1284 | 99.04 | |
| 48 | | 1350.0 | 0.00 | 0.00 | 26.89 | 10.3 | 0.078 | 0.86 | 30 | 0.023 | 26 | 123 | 1161 | 1284 | 99.04 | |
| 48 | | 1320.0 | 0.00 | 0.00 | 28.67 | 10.2 | 0.078 | 0.86 | 30 | 0.023 | 26 | 149 | 1135 | 1284 | 99.04 | |
| TOTAL | | | 1.50 | 0.73 | | | | | 180 | 0.145 | 149 | | | | | |

GOLD EXTRACTION CALCULATIONS

| Product | Quantity | Gold | | |
|--------------------|----------|-------------|-----------|------------|
| | | Assay (ppm) | Mass (µg) | Dist'n (%) |
| Solids (g) | 1000.0 | 0.02 | 15 | 0.96 |
| Solution (mL) | 1320.0 | 0.86 | 1135 | 72.77 |
| Solution Samples * | | | 149 | 9.53 |
| Gravity Gold | | | 261 | 16.74 |
| Total Extraction | | | | 99.04 |
| Total | | | 1560 | 100.00 |
| Calculated Head | | 1.56 | | |
| Assay Head** | | 1.64 / 1.25 | | |

COMMENTS :

- NaCN Addition : 1.50 (Kg/t)
- NaCN Consumption (kg/t) : 0.33 (Kg/t)
- Lime Consumption (kg/t) : 0.73 (Kg/t)
- Perth tap water used : 1.000 (SG)
- Water Weight To Leach : 1500.0 (g)
- Grind Size P 80 : 75 (µm)
- 30 mL Solution Samples Were Removed At Each Sampling Period.

* : Intermediate solution samples removed during the test.

RATE OF GOLD EXTRACTION

