

| Licensee | Hera Resources Pty Ltd |
|---|---|
| Address | 'The Peak, Burthong Road, Nymagee, NSW 2831 |
| Environmental Protection Licence | 20179 |
| Link to Licence | http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32372&SYSUID=1&LICID=20179 |
| Project Approval | 10_0191 |
| Reporting Period | February 2017 |
| Date Published | 1 May 2017 |

Weather Monitoring

Hera Resources Pty Ltd (the Company), a wholly owned subsidiary of Aurelia Metals Limited, owns and operates the Hera Mine. The Company has one licenced weather station (licence point 23) associated with the mine (Figure 1). A summary of the licence conditions (Environmental Protection Licence (EPL) 20179) associated with this point is presented in Table 1.



Figure 1. Location of the licence points associated with Gold Room Stack monitoring (Licence Point 24 and Licence Point 39), Blast monitoring and meteorological monitoring (Licence Point 23).



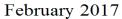
Table 1. Summary of EPL 20179 conditions associated with the licensed weather station.

| Parameter | Frequency | | |
|-----------------------|------------|--|--|
| Air Temperature (°C) | Continuous | | |
| Wind Direction (°) | Continuous | | |
| Wind Speed (m/s) | Continuous | | |
| Sigma Theta (°) | Continuous | | |
| Rainfall (mm) | Continuous | | |
| Relative Humidity (%) | Continuous | | |

Meteorological monitoring is conducted on a continuous basis. Table 2 is a summary of the data collected by the weather station in February 2017. Figure 2 is a wind rose for the month.

Table 2. Summary of meteorological data for February 2017.

| Pollutant | No. of measurements for month | Min. value | Mean value | Median value | Max. value |
|-----------------------|-------------------------------|------------|------------|--------------|------------|
| Air Temperature (°C) | Continuous | 6.13 | 26.74 | 27.16 | 44.56 |
| Wind Speed (m/s) | Continuous | 0.00 | 2.59 | 2.59 | 8.39 |
| Sigma Theta (°) | Continuous | 3.14 | 21.80 | 17.18 | 100.94 |
| Rainfall (mm) | Continuous | 0.00 | 0.00 | 0.00 | 0.00 |
| Relative Humidity (%) | Continuous | 10.13 | 38.82 | 37.78 | 84.29 |



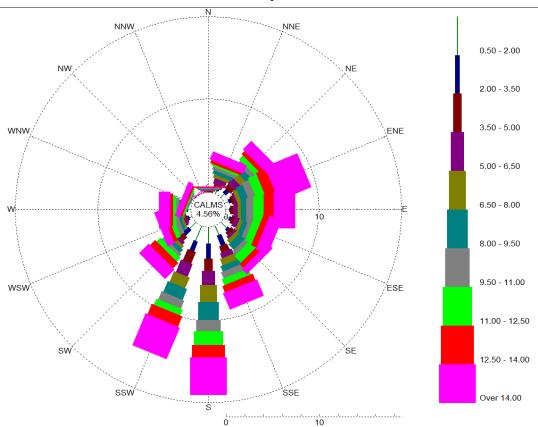


Figure 2. Wind rose February 2017.



Surface Water Monitoring

The Company has six licence points associated with surface waters. Four of these points are located within the Mining Lease (Figure 3) and two are located on Box creek, upstream and downstream of the mining lease (Figure 4). A summary of the licence conditions associated with these licence points is presented in Table 3.



Figure 3. Licensed surface water monitoring points located onsite.





Figure 4. Licensed surface water monitoring points located offsite. The black outline represents the Project Area.



 Table 3. Summary of EPL 20179 conditions associated with licensed surface water monitoring points.

| EPA ID No. | Monitoring Frequency | |
|------------------------------|---------------------------------------|-------------------------------|
| 1, 2 | Daily during discharge | |
| 3, 4, 25, 26 | During discharge | |
| | Pollutant | Limit |
| 1 | Cyanide (weak acid dissociable (WAD)) | 10 mg/L |
| 2 | Cyanide (WAD) | 20 mg/L (90 percentile limit) |
| | | 30 mg/L (max. limit) |
| | Aluminium | 0.055 mg/L |
| | Arsenic | 0.024 mg/L |
| | Boron | 0.370 mg/L |
| | Cadmium | 0.0002 mg/L |
| | Copper | 0.0014 mg/L |
| | Cyanide (WAD) | 0.007 mg/L |
| | Electrical Conductivity | 1000 (μS/cm) |
| 3, 4, 25, 26 (Please note: | Lead | 0.0034 mg/L |
| Limits apply only to Licence | Manganese | 1.90 mg/L |
| Points 3 and 4.) | Nickel | 0.011 mg/L |
| | Nitrogen (total) | 0.5 mg/L |
| | Oil and Grease | 10 mg/L |
| | рН | 6.5-8.5 |
| | Phosphorus (total) | 0.025 mg/L |
| | Silver | 0.00005 mg/L |
| | Total suspended solids | 50 mg/L |
| | Zinc | 0.008 mg/L |



Table 4 a summary of the surface water quality results. The table has also been colour coordinated by the licence limit that applies to each licence point. Licence Point 3, 4, 25 and 26 did not discharge for the month.

Table 4. Summary of surface water quality results for February 2017.

| | | Analytes (mg/L) | | | | | | | | | | | | | | | | | | |
|----------------|------|-----------------|-------------|------|-------|-------|------|--------|--------|------------|--------|-----|-------|-----|--------------|---------|---------|-------|-----|-------|
| | | WAD | Cyanide | | Al | As | В | Cd | Cu | EC (μS/cm) | Pb | Mn | Ni | N | Oil & Grease | рН | Ag | Р | TSS | Zn |
| | Min. | Mean | Median | Max. | | | | | | | | | | | | | | | | |
| | | | 10 | | 0.055 | 0.024 | 0.37 | 0.0002 | 0.0014 | 1000 | 0.0034 | 1.9 | 0.011 | 0.5 | 10 | 6.5-8.5 | 0.00005 | 0.025 | 50 | 0.008 |
| Licence Limits | | 20 (90 P | Percentile) | | | | | | | | | | | | | | | | | |
| Licence Limits | | 30 (| (max.) | | | | | | | | | | | | | | | | | |
| | | 0. | .007 | | | | | | | | | | | | | | | | | |
| Licence Points | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | |
| 2 | 0 | 8.93 | 5 | 20 | | | | | | | | | | | | | | | | |
| 3 | | No flow | | | | | | | | | | | | | | | | | | |
| 4 | | No flow | | | | | | | | | | | | | | | | | | |
| 25 | | No flow | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | No flo | w | | | | | | | | | |



Groundwater Monitoring

The Company has 17 licence points associated with groundwater. These points are located around the Project Area (Figure 5) and are a combination of observation bores, productions bores (red points) and piezometers (purple points). A summary of the licence conditions associated with these licence points is presented in Table 5.



Figure 5. Licensed groundwater and air quality monitoring points.



 Table 5. Summary of EPL 20179 conditions associated with licensed groundwater monitoring points.

| | Monitoring Frequency |
|--|--|
| EPA ID No. | Quarterly |
| | Pollutant |
| 7, 9, 17, 19, 27, 28, 29, 30, 31, 32, 33, 40 | Antimony (mg/L) |
| | Arsenic (mg/L) |
| | Bicarbonate (mg/L) |
| | Boron (mg/L) |
| | Cadmium (mg/L) |
| | Calcium (mg/L) |
| | Carbonate (mg/L) |
| | Chloride (mg/L) |
| | Chromium (mg/L) |
| | Copper (mg/L) |
| | Cyanide (free) (mg/L) |
| | Cyanide (total) (mg/L) |
| | Cyanide (WAD) (mg/L) |
| | Electrical Conductivity (μS/cm) |
| | Iron (mg/L) |
| | Lead (mg/L) |
| | Magnesium (mg/L) |
| | Mercury (mg/L) |
| | Molybdenum (mg/L) |
| | Nickel (mg/L) |
| | рН |
| | Potassium (mg/L) |
| | Silver (mg/L) |
| | Sodium (mg/L) |
| | Tin (mg/L) |
| | Total dissolved solids (mg/L) |
| | Zinc (mg/L) |
| 7, 27, 28, 29 ,30, 34, 35, 36, 37, 38, 40 | Standing Water Level (m) |
| | Monitoring Frequency |
| EPA ID No. | When water present |
| 24 25 26 27 20 | Pollutant |
| 34, 35, 36, 37, 38 | Cyanide (free) (mg/L) Cyanide (total) (mg/L) |
| | Cyanide (total) (mg/L) Cyanide (WAD) (mg/L) |
| | Electrical Conductivity (µS/cm) |
| | рН |

Quarterly groundwater results were reported in January 2017.



Noise Monitoring

The Company has four licenced monitoring points (R1, R2, R3 and R4) located along the Burthong Road (Figure 6). The locations are strategically placed near the Hera Mine's nearest neighbours. R1 and R2 are measured from the same point as both neighbours are located in very close proximity to each other. A summary of the EPL and Project Approval (PA) conditions associated with these licenced points is presented in Table 6.



Figure 6. Licensed noise monitoring locations. The black outline represents the approximate project area.

Table 6. Summary of EPL 20179 conditions associated with noise monitoring.

| Location | Pollutant - Noise | Limits |
|----------------|---|-----------------------------------|
| R1, R2, R3, R4 | Monday to Friday - 0700 hours (hrs) to 1800 hrs | LAeq (15 minute) 35 decibels (dB) |
| | Monday to Friday - 1800 hrs to 2200 hrs | LAeq (15 minute) 35 dB |
| | All other times | LAeq (15 minute) 35 dB |
| | | LA1 (1 minute) 45 dB |

An independent consultant will be engaged to conduct a noise assessment in the first quarter of 2017.

Blast Monitoring

The blast monitor is located adjacent to the house on the nearest neighbour's property (Figure 1). A summary of the EPL and PA conditions associated with this licenced point are presented in Table 7.



Table 7. Summary of EPL 20179 and PA 10_0191 conditions associated with blast monitoring.

| Location | Pollutant | Time Period | Limits |
|------------|---------------------------|------------------------------|----------------------|
| | Ground vibration | All times | 10 mm/s (max.) |
| Blast | | Day | 5 mm/s (95% of total |
| monitoring | (monitor for every blast) | | blasts) |
| | | Evening | 2 mm/s (95% of total |
| | | | blasts) |
| | | Night and all day on Sundays | |
| | | and Public Holidays | 1 mm/s (max.) |
| | Airblast overpressure | All times | 120 dB (max.) |
| | | All times | 115 dB (95% of total |
| | (monitor for every blast) | | blasts) |

The Company conducted a total of 58 blasts in February 2017. The characteristics of each blast are presented in Table 8. No exceedances were recorded for the month.

 Table 8. Summary of blast monitoring results for February 2017.

| Date | Time | Time period | Vibration (mm/s) | Overpressure (dB) |
|----------------------------|-------|-------------|------------------|-------------------|
| Thursday, 2 February 2017 | 7:00 | Day | <0.35 | |
| Thursday, 2 February 2017 | 7:00 | Day | <0.35 | |
| Friday, 3 February 2017 | 7:10 | Day | <0.35 | |
| Friday, 3 February 2017 | 7:10 | Day | <0.35 | |
| Saturday, 4 February 2017 | 6:35 | Night | <0.35 | |
| Saturday, 4 February 2017 | 7:04 | Day | <0.35 | |
| Saturday, 4 February 2017 | 7:04 | Day | <0.35 | |
| Saturday, 4 February 2017 | 7:04 | Day | <0.35 | |
| Monday, 6 February 2017 | 6:45 | Night | <0.35 | |
| Monday, 6 February 2017 | 12:50 | Day | <0.35 | |
| Tuesday, 7 February 2017 | 6:45 | Night | <0.35 | |
| Tuesday, 7 February 2017 | 6:45 | Night | <0.35 | |
| Tuesday, 7 February 2017 | 6:45 | Night | <0.35 | |
| Tuesday, 7 February 2017 | 18:45 | Evening | <0.35 | |
| Wednesday, 8 February 2017 | 6:45 | Night | <0.35 | |
| Wednesday, 8 February 2017 | 6:45 | Night | <0.35 | |
| Thursday, 9 February 2017 | 6:50 | Night | <0.35 | |
| Thursday, 9 February 2017 | 6:50 | Night | <0.35 | |
| Friday, 10 February 2017 | 7:18 | Day | <0.35 | |
| Friday, 10 February 2017 | 7:18 | Day | <0.35 | |
| Friday, 10 February 2017 | 18:45 | Evening | <0.35 | |
| Saturday, 11 February 2017 | 6:46 | Night | <0.35 | |
| Saturday, 11 February 2017 | 13:35 | Day | <0.35 | |
| Sunday, 12 February 2017 | 7:15 | Sunday | <0.35 | |
| Sunday, 12 February 2017 | 7:15 | Sunday | <0.35 | |
| Monday, 13 February 2017 | 7:05 | Day | <0.35 | |
| Monday, 13 February 2017 | 7:05 | Day | <0.35 | |



| · | 1 | • | 1 | |
|-----------------------------|-------|---------|-------|-------|
| Monday, 13 February 2017 | 14:00 | Day | <0.35 | |
| Tuesday, 14 February 2017 | 7:14 | Day | <0.35 | |
| Tuesday, 14 February 2017 | 7:14 | Day | <0.35 | |
| Tuesday, 14 February 2017 | 18:40 | Evening | <0.35 | |
| Wednesday, 15 February 2017 | 6:45 | Night | <0.35 | |
| Wednesday, 15 February 2017 | 6:45 | Night | <0.35 | |
| Saturday, 18 February 2017 | 6:45 | Night | <0.35 | |
| Saturday, 18 February 2017 | 6:45 | Night | <0.35 | |
| Saturday, 18 February 2017 | 6:45 | Night | <0.35 | |
| Sunday, 19 February 2017 | 6:30 | Sunday | <0.35 | |
| Sunday, 19 February 2017 | 6:30 | Sunday | <0.35 | |
| Sunday, 19 February 2017 | 20:00 | Sunday | 0.388 | <88 |
| Monday, 20 February 2017 | 6:40 | Night | <0.35 | |
| Monday, 20 February 2017 | 6:40 | Night | <0.35 | |
| Tuesday, 21 February 2017 | 6:40 | Night | <0.35 | |
| Tuesday, 21 February 2017 | 6:40 | Night | <0.35 | |
| Tuesday, 21 February 2017 | 18:45 | Evening | <0.35 | |
| Wednesday, 22 February 2017 | 6:30 | Night | <0.35 | |
| Wednesday, 22 February 2017 | 6:30 | Night | <0.35 | |
| Thursday, 23 February 2017 | 7:05 | Day | <0.35 | |
| Thursday, 23 February 2017 | 7:05 | Day | <0.35 | |
| Thursday, 23 February 2017 | 13:40 | Day | <0.35 | |
| Friday, 24 February 2017 | 8:15 | Day | <0.35 | |
| Friday, 24 February 2017 | 8:15 | Day | <0.35 | |
| Saturday, 25 February 2017 | 9:30 | Day | <0.35 | |
| Saturday, 25 February 2017 | 14:00 | Day | <0.35 | |
| Sunday, 26 February 2017 | 7:05 | Sunday | <0.35 | |
| Sunday, 26 February 2017 | 18:45 | Sunday | 0.395 | 91.48 |
| Monday, 27 February 2017 | 6:40 | Sunday | <0.35 | |
| Tuesday, 28 February 2017 | 7:30 | Day | <0.35 | |
| Tuesday, 28 February 2017 | 7:30 | Day | <0.35 | |

Air Quality Monitoring

The Company has two High Volume Air Samplers (HVAS), either designed to sample Particulate matter less than 10 μ m (PM₁₀) or Total Suspended Particulate (TSP) matter and two Dust Deposition Gauges (DDG). Refer to Figure 5 for location of the sampling points. A summary of the PA conditions associated with these monitoring points is presented in Table 9.



Table 9. Summary of Project Approval conditions associated with dust monitoring.

| Pollutant | Averaging Period | Limits |
|------------------|------------------|---|
| TSP | Annual | 90 μg/m³ |
| PM ₁₀ | Annual | 30 μg/m ³ |
| PM ₁₀ | 24 Hour | 50 μg/m³ |
| | Annual | 2 g/m ² /month (Max. increase) |
| Deposited Dust | Annual | 4 g/m²/month (Max. total) |

Results for air quality monitoring conducted in February 2017 have been summarised in Table 10. No exceedances have been recorded this month.

Table 10. Summary of air quality monitoring results for February 2017.

| Pollutant | Unit | Limit | Averaging Period | Result |
|-----------------------|------------|-------|---------------------|--------|
| TSP | μg/m³ | 90 | Annual | 26.52 |
| PM-10 (μg/m³) | μg/m³ | 30 | Annual | 13.30 |
| | μg/m³ | 50 | 5/02/2017 | 21.00 |
| | μg/m³ | 50 | 11/02/2017 | 32.00 |
| | μg/m³ | 50 | 17/02/2017 | 33.00 |
| | μg/m³ | 50 | 23/02/2017 | 46.00 |
| Deposited Dust (DDG1) | g/m²/month | 4 | Annual | 2.17 |
| Deposited Dust (DDG2) | g/m²/month | 4 | Annual | 1.43 |

Gold Room Stack Monitoring

The Company has two licenced gold room stack monitoring points (Figure 1). A summary of the licence conditions associated with this Licence Point is presented in Table 11.

Table 11. Summary of EPL 20179 conditions associated with gold room stack monitoring monitoring.

| EPA ID No. | Monitoring Frequency | | |
|------------|----------------------|--|--|
| 24 | Yearly | | |
| 39 | | | |
| | Pollutant | | |
| | Nitric Oxide (mg/m³) | | |

Gold Room stack monitoring is conducted on an annual basis. is a summary of the annual monitoring which was conducted on 1 and 2 February 2017.

Table 12. Summary of gold room stack monitoring conducted in February 2017.

| EPA ID No. | Nitric Oxide (mg/m³) | | |
|------------|----------------------|--|--|
| 24 | <3 | | |
| 39 | <3 | | |



Concentrate Transport

The Company is licenced to transport 50,000 tpa of lead/zinc concentrate during daylight hours. The company is limited to eight truck movements per day (entering and leaving the site) averaged over a calendar month. This month, a total of 2,878.6 tonnes of concentrate was transported to the Hermidale rail siding with an average of 2.07 truck movements per day (Table 13).

Table 13. Summary of the concentrate truck movements from the Hera Mine to Hermidale rail siding for the month.

| Date | Time | Company ID | Truck Dry Tonnes |
|------------|----------|------------|------------------|
| 5/02/2017 | 07:00:00 | 1372 | 48.20 |
| 6/02/2017 | 11:30:00 | 1373 | 49.46 |
| 6/02/2017 | 11:50:00 | 1374 | 49.18 |
| 8/02/2017 | 08:30:00 | 1375 | 49.31 |
| 9/02/2017 | 10:00:00 | 1376 | 49.11 |
| 9/02/2017 | 13:15:00 | 1377 | 49.15 |
| 9/02/2017 | 17:45:00 | 1378 | 49.16 |
| 10/02/2017 | 13:45:00 | 1379 | 49.32 |
| 13/02/2017 | 12:00:00 | 1380 | 50.52 |
| 14/02/2017 | 06:00:00 | 1381 | 48.28 |
| 14/02/2017 | 07:00:00 | 1382 | 48.09 |
| 14/02/2017 | 10:00:00 | 1383 | 48.70 |
| 14/02/2017 | 10:45:00 | 1384 | 48.87 |
| 14/02/2017 | 12:00:00 | 1385 | 49.14 |
| 15/02/2017 | 09:30:00 | 1386 | 49.06 |
| 15/02/2017 | 12:00:00 | 1387 | 49.03 |
| 15/02/2017 | 13:20:00 | 1388 | 48.87 |
| 15/02/2017 | 16:45:00 | 1389 | 48.47 |
| 16/02/2017 | 11:10:00 | 1390 | 48.90 |
| 16/02/2017 | 15:50:00 | 1391 | 48.63 |
| 17/02/2017 | 07:35:00 | 1392 | 49.12 |
| 17/02/2017 | 08:16:00 | 1393 | 49.69 |
| 17/02/2017 | 11:30:00 | 1394 | 49.64 |
| 17/02/2017 | 12:00:00 | 1395 | 49.73 |
| 18/02/2017 | 07:00:00 | 1396 | 49.13 |
| 18/02/2017 | 10:00:00 | 1397 | 49.82 |
| 18/02/2017 | 13:00:00 | 1398 | 49.06 |
| 18/02/2017 | 14:20:00 | 1399 | 49.13 |
| 21/02/2017 | 11:30:00 | 1400 | 49.46 |
| 22/02/2017 | 12:40:00 | 1401 | 48.11 |
| 22/02/2017 | 16:30:00 | 1402 | 48.20 |
| 23/02/2017 | 08:00:00 | 1403 | 48.11 |
| 23/02/2017 | 12:00:00 | 1404 | 48.92 |
| 23/02/2017 | 13:40:00 | 1405 | 48.38 |
| 24/02/2017 | 12:00:00 | 1406 | 48.35 |



| Total Tonnes | | | 2,878.6 |
|--|----------|------|---------|
| Average Truck Movements per day February 2017 2.07 | | | |
| 28/02/2017 | 16:40:00 | 1429 | 54.00 |
| 28/02/2017 | 16:20:00 | 1428 | 54.02 |
| 28/02/2017 | 13:15:00 | 1427 | 54.12 |
| 28/02/2017 | 12:45:00 | 1426 | 54.00 |
| 28/02/2017 | 08:00:00 | 1425 | 53.68 |
| 28/02/2017 | 07:30:00 | 1424 | 54.12 |
| 28/02/2017 | 07:00:00 | 1423 | 54.04 |
| 27/02/2017 | 18:00:00 | 1422 | 53.82 |
| 27/02/2017 | 17:45:00 | 1421 | 53.88 |
| 27/02/2017 | 17:35:00 | 1420 | 48.92 |
| 27/02/2017 | 16:20:00 | 1419 | 49.34 |
| 27/02/2017 | 15:30:00 | 1418 | 49.28 |
| 27/02/2017 | 14:00:00 | 1417 | 48.24 |
| 27/02/2017 | 13:00:00 | 1416 | 46.78 |
| 27/02/2017 | 12:30:00 | 1415 | 46.83 |
| 25/02/2017 | 17:40:00 | 1414 | 49.01 |
| 25/02/2017 | 17:17:00 | 1413 | 49.32 |
| 25/02/2017 | 14:15:00 | 1412 | 48.83 |
| 25/02/2017 | 13:30:00 | 1411 | 48.82 |
| 25/02/2017 | 10:00:00 | 1410 | 47.93 |
| 25/02/2017 | 07:00:00 | 1409 | 48.66 |
| 24/02/2017 | 17:10:00 | 1408 | 48.28 |
| 24/02/2017 | 12:30:00 | 1407 | 48.37 |

Complaints

No complaints were received in February 2017.