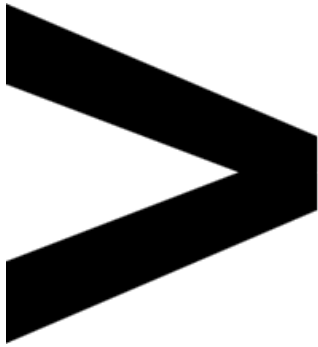




**HUNTER VALLEY  
OPERATIONS**

# **ENVIRONMENT PROTECTION LICENCE 640 MONITORING DATA - MAY 2026**

**DOCUMENT NUMBER**

HVOOC-1797567310-5637

**STATUS**

Approved

**VERSION**

1.0

**EFFECTIVE**

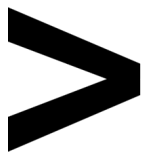
08/07/2026

**REVIEW**

[Planned Review Date]

**OWNER**

Superintendent - Environment and Community



|   |                                             |    |
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## 1 | OVERVIEW

|                                                 |                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental Protection Licence Number:</b> | 640                                                                                                                                                                                                                                                                                                                                                             |
| <b>Licence Holder:</b>                          | HV Operations Pty Ltd (HVO)                                                                                                                                                                                                                                                                                                                                     |
| <b>Address of Premises:</b>                     | Hunter Valley Operations, Lemington Road, Singleton, NSW, 2330                                                                                                                                                                                                                                                                                                  |
| <b>Licence Holder Postal Address:</b>           | PO Box 315, Singleton, NSW, 2330                                                                                                                                                                                                                                                                                                                                |
| <b>EPA Public Register Link:</b>                | <a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=640&amp;id=640&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=640&amp;id=640&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued</a> |

The locations of each sampling or monitoring point number identified in EPL 640 are displayed in Figure 1.

## 2 | DEFINITIONS

| Abbreviation            | Explanation                                             |
|-------------------------|---------------------------------------------------------|
| DNR                     | Data Not Received                                       |
| mm/s                    | Millimetres per Second                                  |
| dB                      | Decibels                                                |
| g/m <sup>2</sup> /month | Grams per Metre Square per Month                        |
| µg/m <sup>3</sup>       | Micrograms per Cubic Meter of Air                       |
| µS/cm                   | Microsiemens per Centimetre                             |
| pH                      | A measure of the acidity or alkalinity of a solution    |
| mg/L                    | Milligrams per Litre                                    |
| NTU                     | Nephelometric Turbidity Units                           |
| ML/day                  | Megalitres per Day (1ML = 1,000,000L)                   |
| KL/day                  | Kilolitres per Day                                      |
| PM10                    | Particulate Matter of 10 Microns in diameter or smaller |
| HVAS                    | High Volume Air Sampler                                 |
| TEOM                    | Tapered Element Oscillating Microbalance                |
| TSP                     | Total Suspended Particles                               |
| TSS                     | Total Suspended Solids                                  |
| t                       | tonnes                                                  |
| YTD                     | Year To Date - rolling 12 month average                 |

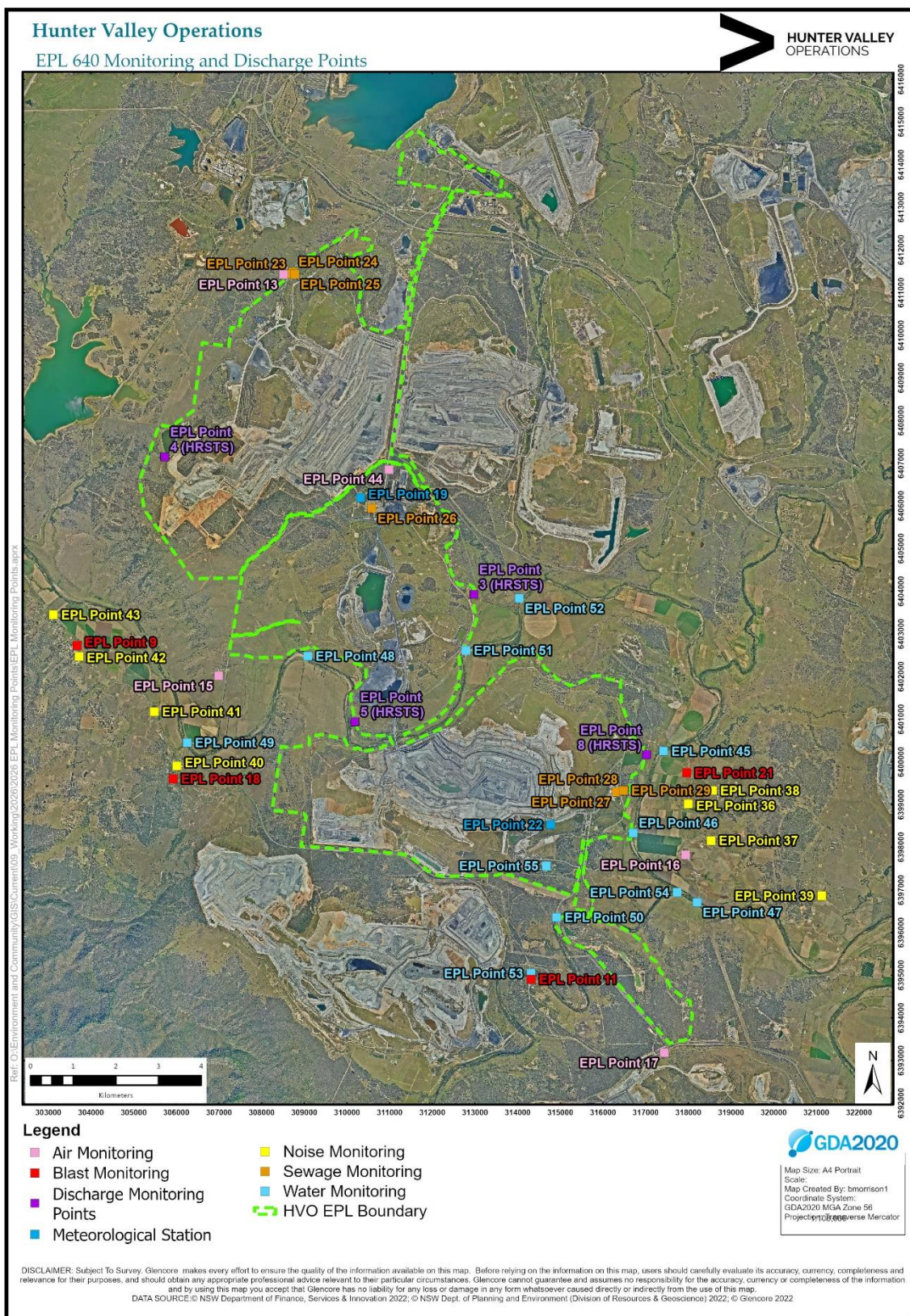


Figure 1: EPL 640 Monitoring Location

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# REPORT | ENVIRONMENT PROTECTION LICENCE 640 MONITORING DATA - MAY 2026

## 3 | AIR QUALITY

**Date Last Sampled:** 31/05/2026

**Date Obtained:** 29/06/2026

*Table 1 - Particulate Matter Monitoring (<10µm)*

| Date       | Unit of Measure   | Monitoring<br>Frequency &<br>Capture | Monitoring Point      |                         |                              |                               |                         |
|------------|-------------------|--------------------------------------|-----------------------|-------------------------|------------------------------|-------------------------------|-------------------------|
|            |                   |                                      | EPL ID 13<br>(Howick) | EPL ID 15<br>(Wandewoi) | EPL ID 16<br>(Knodlers Lane) | EPL ID 17<br>(Golden Highway) | EPL ID 44<br>(West Pit) |
| 1/05/2026  | µg/m <sup>3</sup> | Continuous                           | 27.5                  | 36.6                    | 58.6                         | 49.1                          | 30.2                    |
| 2/05/2026  | µg/m <sup>3</sup> |                                      | 35.9                  | 31.5                    | 54.7                         | 13.7                          | 45.6                    |
| 3/05/2026  | µg/m <sup>3</sup> |                                      | 50.6                  | 39.8                    | 36.7                         | 18.6                          | 77.5                    |
| 4/05/2026  | µg/m <sup>3</sup> |                                      | 36.7                  | *                       | 21.9                         | 29.9                          | 77.3                    |
| 5/05/2026  | µg/m <sup>3</sup> |                                      | 21.2                  | 14.0                    | 10.9                         | 19.6                          | 26.0                    |
| 6/05/2026  | µg/m <sup>3</sup> |                                      | 33.1                  | 23.7                    | 15.1                         | 27.4                          | *                       |
| 7/05/2026  | µg/m <sup>3</sup> |                                      | 13.9                  | 8.5                     | 14.0                         | 18.2                          | 48.8                    |
| 8/05/2026  | µg/m <sup>3</sup> |                                      | 16.5                  | 9.0                     | 14.4                         | 17.9                          | 41.5                    |
| 9/05/2026  | µg/m <sup>3</sup> |                                      | 25.4                  | 20.0                    | 31.9                         | 21.3                          | 45.8                    |
| 10/05/2026 | µg/m <sup>3</sup> |                                      | 37.8                  | 36.1                    | 26.9                         | 44.7                          | 131.5                   |
| 11/05/2026 | µg/m <sup>3</sup> |                                      | 23.6                  | 20.1                    | 11.4                         | 17.3                          | 22.8                    |
| 12/05/2026 | µg/m <sup>3</sup> |                                      | 25.1                  | 21.0                    | 7.9                          | 12.4                          | 19.5                    |
| 13/05/2026 | µg/m <sup>3</sup> |                                      | 15.1                  | 10.7                    | 5.2                          | 11.2                          | 15.6                    |
| 14/05/2026 | µg/m <sup>3</sup> |                                      | 15.0                  | 11.3                    | 5.3                          | 9.6                           | 16.3                    |
| 15/05/2026 | µg/m <sup>3</sup> |                                      | 26.5                  | 16.3                    | 6.3                          | 11.1                          | 9.4                     |
| 16/05/2026 | µg/m <sup>3</sup> |                                      | 25.7                  | 18.3                    | 8.3                          | 11.6                          | 16.3                    |

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**Status:** Approved

**Version:** 1.0

**Effective:** 08/07/2026

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|                                |                         |                |      |      |      |      |       |
|--------------------------------|-------------------------|----------------|------|------|------|------|-------|
| 17/05/2026                     | µg/m <sup>3</sup>       |                | 29.6 | 23.1 | 7.5  | 13.3 | 31.2  |
| 18/05/2026                     | µg/m <sup>3</sup>       |                | 28.5 | 24.8 | 13.9 | 36.7 | 27.8  |
| 19/05/2026                     | µg/m <sup>3</sup>       |                | 5.3  | 4.8  | 1.8  | 7.1  | 9.0   |
| 20/05/2026                     | µg/m <sup>3</sup>       |                | 11.9 | 11.1 | 2.2  | *    | 20.4  |
| 21/05/2026                     | µg/m <sup>3</sup>       |                | 20.9 | 11.8 | 7.0  | 21.6 | 33.2  |
| 22/05/2026                     | µg/m <sup>3</sup>       |                | 17.2 | 9.8  | 7.4  | 11.6 | 17.6  |
| 23/05/2026                     | µg/m <sup>3</sup>       |                | 18.0 | 13.9 | 8.3  | 11.5 | 14.2  |
| 24/05/2026                     | µg/m <sup>3</sup>       |                | 17.6 | 20.3 | 9.5  | 13.9 | 18.7  |
| 25/05/2026                     | µg/m <sup>3</sup>       |                | 5.2  | 15.2 | 6.9  | 9.2  | 8.8   |
| 26/05/2026                     | µg/m <sup>3</sup>       |                | 1.7  | 17.0 | 12.5 | 17.4 | 22.9  |
| 27/05/2026                     | µg/m <sup>3</sup>       |                | 5.8  | 14.5 | 12.2 | 17.4 | 19.0  |
| 28/05/2026                     | µg/m <sup>3</sup>       |                | 9.0  | 5.2  | 5.3  | 6.3  | 8.8   |
| 29/05/2026                     | µg/m <sup>3</sup>       |                | 7.1  | 6.5  | 5.8  | 6.3  | 12.3  |
| 30/05/2026                     | µg/m <sup>3</sup>       |                | 6.4  | 6.5  | 9.2  | 7.9  | 18.6  |
| 31/05/2026                     | µg/m <sup>3</sup>       |                | 8.3  | 5.5  | 9.8  | 9.4  | 33.7  |
| <b>Monthly Meaningful Data</b> |                         |                |      |      |      |      |       |
| <b>May</b>                     | <b>µg/m<sup>3</sup></b> | <b>Minimum</b> | 1.7  | 4.8  | 1.8  | 6.3  | 8.8   |
|                                | <b>µg/m<sup>3</sup></b> | <b>Mean</b>    | 20.1 | 16.9 | 14.5 | 17.4 | 30.7  |
|                                | <b>µg/m<sup>3</sup></b> | <b>Maximum</b> | 50.6 | 39.8 | 58.6 | 49.1 | 131.5 |
|                                | <b>µg/m<sup>3</sup></b> | <b>Median</b>  | 18.0 | 14.9 | 9.5  | 13.8 | 21.6  |

\* Less than 75% 24-hour data capture

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## 4 | SURFACE WATER MONITORING DATA

Water quality and quantity is monitored during discharge events and are shown in

| Discharge Point              | Pollutant  | Licence Limits | Monitoring frequency        | Result |
|------------------------------|------------|----------------|-----------------------------|--------|
| EPL ID 3<br>(Dam 11N)        | pH         | 6.5-9.5        | Daily during discharge      | N/A    |
|                              | TSS (mg/L) | 120            |                             | N/A    |
|                              | EC (uS/cm) | N/A            | Continuous during discharge | N/A    |
|                              | Turbidity  |                |                             | N/A    |
| EPL ID 4<br>(Dam 9W)         | pH         | 6.5-9.5        | Daily during discharge      | N/A    |
|                              | TSS (mg/L) | 120            |                             | N/A    |
|                              | EC (uS/cm) | N/A            | Continuous during discharge | N/A    |
|                              | Turbidity  |                |                             | N/A    |
| EPL ID 5<br>(Alluvial Lands) | EC (µs/cm) | 400            | Special Frequency 1*        | N/A    |
| EPL ID 8<br>(Dam 15S)        | pH         | 6.5-9.5        | Daily during discharge      | N/A    |
|                              | TSS (mg/L) | 120            |                             | N/A    |
|                              | EC (uS/cm) | N/A            | Continuous during discharge | N/A    |
|                              | Turbidity  |                |                             | N/A    |

Table 2. Electrical conductivity (EC) and turbidity is monitored continuously using a probe. Total suspended solids (TSS) and pH is monitored via grab sample. Water quantity is continuously monitored while discharging using either an electronic level sensor or flowmeter. No discharges under the HRSTS occurred during the reporting period.

**Date Sampled: NA**

**Date Obtained: NA**

*Table 2 - HRSTS Discharge Monitoring*

| Discharge Point              | Pollutant  | Licence Limits | Monitoring frequency        | Result |
|------------------------------|------------|----------------|-----------------------------|--------|
| EPL ID 3<br>(Dam 11N)        | pH         | 6.5-9.5        | Daily during discharge      | N/A    |
|                              | TSS (mg/L) | 120            |                             | N/A    |
|                              | EC (uS/cm) | N/A            | Continuous during discharge | N/A    |
|                              | Turbidity  |                |                             | N/A    |
| EPL ID 4<br>(Dam 9W)         | pH         | 6.5-9.5        | Daily during discharge      | N/A    |
|                              | TSS (mg/L) | 120            |                             | N/A    |
|                              | EC (uS/cm) | N/A            | Continuous during discharge | N/A    |
|                              | Turbidity  |                |                             | N/A    |
| EPL ID 5<br>(Alluvial Lands) | EC (µs/cm) | 400            | Special Frequency 1*        | N/A    |
| EPL ID 8<br>(Dam 15S)        | pH         | 6.5-9.5        | Daily during discharge      | N/A    |
|                              | TSS (mg/L) | 120            |                             | N/A    |
|                              | EC (uS/cm) | N/A            | Continuous during discharge | N/A    |
|                              | Turbidity  |                |                             | N/A    |

\*At least once every 10 minutes during discharge.

Ambient water quality is monitored quarterly and bi-annually. Electrical conductivity, pH and total suspended solids are monitored quarterly and will be provided in the June 2026 report. Ammonia, nitrogen, and total petroleum hydrocarbons (TPH) are monitored bi-annually and will be provided in the June 2026 report.

**Date Sampled: NA**

**Date Obtained: NA**

*Table 3 – Ambient Surface Water*

| Discharge Point                                    | Frequency    | Pollutant               | Result |
|----------------------------------------------------|--------------|-------------------------|--------|
| EPL ID 45<br>(H1 Hunter River (upstream K Dam))    | Quarterly    | EC (µS/cm)              | N/A    |
|                                                    |              | pH                      | N/A    |
|                                                    |              | TSS (mg/L)              | N/A    |
| EPL ID 46<br>(H2 Hunter River)                     | Quarterly    | EC (µS/cm)              | N/A    |
|                                                    |              | pH                      | N/A    |
|                                                    |              | TSS (mg/L)              | N/A    |
| EPL ID 47<br>(H3 Hunter River downstream Wollombi) | Quarterly    | EC (µS/cm)              | N/A    |
|                                                    |              | pH                      | N/A    |
|                                                    |              | TSS (mg/L)              | N/A    |
| EPL ID 48<br>(W1 Hunter River Carrington)          | Quarterly    | EC (µS/cm)              | N/A    |
|                                                    |              | pH                      | N/A    |
|                                                    |              | TSS (mg/L)              | N/A    |
| EPL ID 49<br>(W109 Hunter River Moses Crossing)    | Quarterly    | EC (µS/cm)              | N/A    |
|                                                    |              | pH                      | N/A    |
|                                                    |              | TSS (mg/L)              | N/A    |
| EPL ID 50<br>(W2 Wollombi Brook)                   | Quarterly    | EC (µS/cm)              | N/A    |
|                                                    |              | pH                      | N/A    |
|                                                    |              | TSS (mg/L)              | N/A    |
| EPL ID 51<br>(W3 Hunter River)                     | Quarterly    | EC (µS/cm)              | N/A    |
|                                                    |              | pH                      | N/A    |
|                                                    |              | TSS (mg/L)              | N/A    |
| EPL ID 52<br>(W4 Hunter River Oaklands)            | Quarterly    | EC (µS/cm)              | N/A    |
|                                                    |              | pH                      | N/A    |
|                                                    |              | TSS (mg/L)              | N/A    |
| EPL ID 53<br>(Warkworth Bridge Wollombi Brook)     | Quarterly    | EC (µS/cm)              | N/A    |
|                                                    |              | pH                      | N/A    |
|                                                    |              | TSS (mg/L)              | N/A    |
| EPL ID 54<br>(WL1 Wollombi Brook)                  | Quarterly    | EC (µS/cm)              | N/A    |
|                                                    |              | pH                      | N/A    |
|                                                    |              | TSS (mg/L)              | N/A    |
| EPL ID 55<br>(Dam 19S)                             | Bi-annually* | Ammonia (mg/L)          | N/A    |
|                                                    |              | Nitrogen (Total) (mg/L) | N/A    |
|                                                    |              | TPH (mg/L)              | N/A    |

\* EPL ID 55 is conducted more frequently than required by the EPL. It is conducted quarterly as per the HVO Water Management Plan.

### 5 | BLAST MONITORING DATA

**Date Last Sampled:** 28/05/2026

**Date Obtained:** 09/06/2026

*Table 4 – Blast Monitoring (Air Blast Overpressure)*

| Blast ID    | Date & Time        | Unit of Measure | Monitoring Frequency & Capture | EPL Limits    |                | Monitoring Point           |                          |                         |                       |
|-------------|--------------------|-----------------|--------------------------------|---------------|----------------|----------------------------|--------------------------|-------------------------|-----------------------|
|             |                    |                 |                                | 95% of Blasts | 100% of Blasts | EPL ID 18 (Moses Crossing) | EPL ID 9 (Jerrys Plains) | EPL ID 21 (Maison Dieu) | EPL ID 11 (Warkworth) |
| WT10LDU702A | 1/05/2026<br>13:01 | dB(L)           | All Blasts<br>100%             | 115           | 120            | 94.26                      | 90.96                    | 95.19                   | 95.26                 |
| WT11LDU103A | 4/05/2026<br>14:43 | dB(L)           |                                | 115           | 120            | 95.48                      | 97.18                    | 85.60                   | 90.87                 |
| WT12LECP02A | 4/05/2026<br>14:45 | dB(L)           |                                | 115           | 120            | 99.59                      | 111.02                   | 86.84                   | 82.87                 |
| WS15BAY106A | 4/05/2026<br>14:47 | dB(L)           |                                | 115           | 120            | 112.06                     | 109.24                   | 100.39                  | 102.49                |
| P210BRN603B | 6/05/2026<br>13:08 | dB(L)           |                                | 115           | 120            | 91.90                      | 88.50                    | 94.19                   | 87.84                 |
| WS15BAY108A | 7/05/2026<br>13:36 | dB(L)           |                                | 115           | 120            | 97.91                      | 101.17                   | 110.18                  | 103.76                |

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**Effective:** 08/07/2026

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**Owner:** Superintendent - Environment and Community

**Version:** 1.0

**Review:** [Planned Review Date]

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## MONITORING DATA - MAY 2026

| Blast ID    | Date & Time      | Unit of Measure | Monitoring Frequency & Capture | EPL Limits    |                | Monitoring Point           |                          |                         |                       |
|-------------|------------------|-----------------|--------------------------------|---------------|----------------|----------------------------|--------------------------|-------------------------|-----------------------|
|             |                  |                 |                                | 95% of Blasts | 100% of Blasts | EPL ID 18 (Moses Crossing) | EPL ID 9 (Jerrys Plains) | EPL ID 21 (Maison Dieu) | EPL ID 11 (Warkworth) |
| P101BRN303A | 9/05/2026 13:02  | dB(L)           | All Blasts 100%                | 115           | 120            | 95.52                      | 91.65                    | 94.93                   | 89.90                 |
| WS15BRN502A | 13/05/2026 13:02 | dB(L)           |                                | 115           | 120            | 103.29                     | 109.35                   | 92.55                   | 86.65                 |
| WS49BAF01A  | 14/05/2026 13:29 | dB(L)           |                                | 115           | 120            | 88.49                      | 91.56                    | 77.71                   | 80.15                 |
| WT11LDU104A | 14/05/2026 13:31 | dB(L)           |                                | 115           | 120            | 91.27                      | 96.74                    | 92.35                   | 85.22                 |
| M2B1BP503A  | 15/05/2026 9:02  | dB(L)           |                                | 115           | 120            | 101.07                     | 108.79                   | 82.46                   | 80.87                 |
| WT12LEA207A | 15/05/2026 13:04 | dB(L)           |                                | 115           | 120            | 95.09                      | 106.81                   | 90.45                   | 93.51                 |
| WT11LDP01A  | 18/05/2026 13:15 | dB(L)           |                                | 115           | 120            | 80.44                      | 81.44                    | 87.00                   | 78.25                 |
| P210PCF305A | 20/05/2026 13:26 | dB(L)           |                                | 115           | 120            | 89.69                      | 86.01                    | 93.97                   | 89.60                 |
| WT12LEA208A | 22/05/2026 13:19 | dB(L)           |                                | 115           | 120            | 89.49                      | 89.21                    | 79.63                   | 90.46                 |

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**Status:** Approved

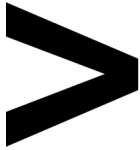
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**Version:** 1.0

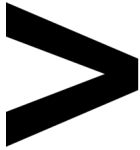
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| Blast ID                | Date & Time      | Unit of Measure | Monitoring Frequency & Capture | EPL Limits    |                | Monitoring Point           |                          |                         |                       |
|-------------------------|------------------|-----------------|--------------------------------|---------------|----------------|----------------------------|--------------------------|-------------------------|-----------------------|
|                         |                  |                 |                                | 95% of Blasts | 100% of Blasts | EPL ID 18 (Moses Crossing) | EPL ID 9 (Jerrys Plains) | EPL ID 21 (Maison Dieu) | EPL ID 11 (Warkworth) |
| M1B1BP701A              | 25/05/2026 13:03 | dB(L)           | All Blasts 100%                | 115           | 120            | 97.38                      | 102.61                   | 86.73                   | 83.22                 |
| P102M3P04A              | 26/05/2026 13:12 | dB(L)           |                                | 115           | 120            | 86.66                      | 82.39                    | 81.05                   | 94.11                 |
| P102N1009A              | 28/05/2026 15:18 | dB(L)           |                                | 115           | 120            | 112.66                     | 107.07                   | 100.78                  | 89.14                 |
| Monthly Meaningful Data |                  |                 |                                |               |                |                            |                          |                         |                       |
| May                     |                  | dB(L)           | Minimum                        | 115           | 120            | 80.44                      | 81.44                    | 77.71                   | 78.25                 |
|                         |                  | dB(L)           | Mean                           | 115           | 120            | 95.68                      | 97.32                    | 90.67                   | 89.12                 |
|                         |                  | dB(L)           | Maximum                        | 115           | 120            | 112.66                     | 111.02                   | 110.18                  | 103.76                |
|                         |                  | dB(L)           | Median                         | 115           | 120            | 95.29                      | 96.96                    | 91.40                   | 89.37                 |



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Table 5 -Blast Monitoring (Ground Vibration)

| Blast ID    | Date & Time         | Unit of Measure | Monitoring Frequency & Capture | EPL Limits    |                | Monitoring Point           |                          |                         |                       |
|-------------|---------------------|-----------------|--------------------------------|---------------|----------------|----------------------------|--------------------------|-------------------------|-----------------------|
|             |                     |                 |                                | 95% of Blasts | 100% of Blasts | EPL ID 18 (Moses Crossing) | EPL ID 9 (Jerrys Plains) | EPL ID 21 (Maison Dieu) | EPL ID 11 (Warkworth) |
| WT10LDU702A | 1/05/2026<br>13:01  | mm/s            | All Blasts<br>100%             | 5             | 10             | 0.15                       | 0.09                     | 0.09                    | 0.41                  |
| WT11LDU103A | 4/05/2026<br>14:43  | mm/s            |                                | 5             | 10             | 0.24                       | 0.18                     | 0.18                    | 0.11                  |
| WT12LECP02A | 4/05/2026<br>14:45  | mm/s            |                                | 5             | 10             | 0.23                       | 0.3                      | 0.18                    | 0.24                  |
| WS15BAY106A | 4/05/2026<br>14:47  | mm/s            |                                | 5             | 10             | 0.21                       | 0.17                     | 0.14                    | 0.07                  |
| P210BRN603B | 6/05/2026<br>13:08  | mm/s            |                                | 5             | 10             | 0.27                       | 0.14                     | 0.69                    | 1.01                  |
| WS15BAY108A | 7/05/2026<br>13:36  | mm/s            |                                | 5             | 10             | 0.17                       | 0.15                     | 0.1                     | 0.1                   |
| P101BRN303A | 9/05/2026<br>13:02  | mm/s            |                                | 5             | 10             | 0.24                       | 0.09                     | 0.24                    | 0.67                  |
| WS15BRN502A | 13/05/2026<br>13:02 | mm/s            |                                | 5             | 10             | 0.2                        | 0.15                     | 0.08                    | 0.42                  |
| WS49BAF01A  | 14/05/2026<br>13:29 | mm/s            |                                | 5             | 10             | 0.15                       | 0.06                     | 0.07                    | 0.05                  |

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Status: Approved

Effective: 08/07/2026

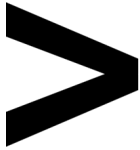
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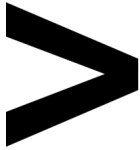
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# REPORT | ENVIRONMENT PROTECTION LICENCE 640 MONITORING DATA - MAY 2026

| Blast ID    | Date & Time      | Unit of Measure | Monitoring Frequency & Capture | EPL Limits    |                | Monitoring Point           |                          |                         |                       |
|-------------|------------------|-----------------|--------------------------------|---------------|----------------|----------------------------|--------------------------|-------------------------|-----------------------|
|             |                  |                 |                                | 95% of Blasts | 100% of Blasts | EPL ID 18 (Moses Crossing) | EPL ID 9 (Jerrys Plains) | EPL ID 21 (Maison Dieu) | EPL ID 11 (Warkworth) |
| WT11LDU104A | 14/05/2026 13:31 | mm/s            | All Blasts 100%                | 5             | 10             | 0.28                       | 0.28                     | 0.21                    | 0.22                  |
| M2B1BP503A  | 15/05/2026 9:02  | mm/s            |                                | 5             | 10             | 0.13                       | 0.16                     | 0.08                    | 0.05                  |
| WT12LEA207A | 15/05/2026 13:04 | mm/s            |                                | 5             | 10             | 0.13                       | 0.07                     | 0.07                    | 0.34                  |
| WT11LDP01A  | 18/05/2026 13:15 | mm/s            |                                | 5             | 10             | 0.22                       | 0.16                     | 0.25                    | 0.11                  |
| P210PCF305A | 20/05/2026 13:26 | mm/s            |                                | 5             | 10             | 0.13                       | 0.06                     | 0.1                     | 0.11                  |
| WT12LEA208A | 22/05/2026 13:19 | mm/s            |                                | 5             | 10             | 0.13                       | 0.07                     | 0.04                    | 0.5                   |
| M1B1BP701A  | 25/05/2026 13:03 | mm/s            |                                | 5             | 10             | 0.2                        | 0.47                     | 0.11                    | 0.07                  |
| P102M3P04A  | 26/05/2026 13:12 | mm/s            |                                | 5             | 10             | 0.23                       | 0.12                     | 0.13                    | 0.38                  |
| P102N1009A  | 28/05/2026 15:18 | mm/s            |                                | 5             | 10             | 0.28                       | 0.1                      | 0.21                    | 0.51                  |



# REPORT | ENVIRONMENT PROTECTION LICENCE 640 MONITORING DATA - MAY 2026

| Blast ID                | Date & Time | Unit of Measure | Monitoring Frequency & Capture | EPL Limits    |                | Monitoring Point           |                          |                         |                       |
|-------------------------|-------------|-----------------|--------------------------------|---------------|----------------|----------------------------|--------------------------|-------------------------|-----------------------|
|                         |             |                 |                                | 95% of Blasts | 100% of Blasts | EPL ID 18 (Moses Crossing) | EPL ID 9 (Jerrys Plains) | EPL ID 21 (Maison Dieu) | EPL ID 11 (Warkworth) |
| Monthly Meaningful Data |             |                 |                                |               |                |                            |                          |                         |                       |
| May                     |             | mm/s            | Minimum                        | 5             | 10             | 0.13                       | 0.06                     | 0.04                    | 0.05                  |
|                         |             | mm/s            | Mean                           | 5             | 10             | 0.20                       | 0.16                     | 0.17                    | 0.30                  |
|                         |             | mm/s            | Maximum                        | 5             | 10             | 0.28                       | 0.47                     | 0.69                    | 1.01                  |
|                         |             | mm/s            | Median                         | 5             | 10             | 0.21                       | 0.15                     | 0.12                    | 0.23                  |



## 6 | SEWAGE TREATMENT PLANT MONITORING DATA

Sewage treatment plant monitoring results are provided on a quarterly basis. Results will be provided in the June 2026 report.

### 7 | NOISE MONITORING DATA

**Date Sampled: 20-21/04/2026**

**Date Obtained: 06/05/2026**

*Table 6 – Night  $L_{Aeq,15\text{minute}}$  and 1minute Generated by HVO Against EPL Criteria*

| Location                             | Start date and time | Wind      |                        | Stability class | Very enhancing? <sup>1</sup> | EPL limits, dB <sup>1</sup> |                      | HVO levels, dB <sup>2,3</sup>          |                      | Exceedances, dB           |                      |
|--------------------------------------|---------------------|-----------|------------------------|-----------------|------------------------------|-----------------------------|----------------------|----------------------------------------|----------------------|---------------------------|----------------------|
|                                      |                     | Speed m/s | Direction <sup>4</sup> |                 |                              | $L_{Aeq,15\text{minute}}$   | $L_{A1,1\text{min}}$ | $L_{Aeq,15\text{minute}}$ <sup>2</sup> | $L_{A1,1\text{min}}$ | $L_{Aeq,15\text{minute}}$ | $L_{A1,1\text{min}}$ |
| EPL ID 36<br>(Shearers Lane)         | 20/05/2026 22:00    | 1.8       | 245                    | D               | No                           | 41                          | 46                   | 27                                     | 40                   | Nil                       | Nil                  |
| EPL ID 37<br>(Knodlers Lane)         | 20/05/2026 22:42    | 2.0       | 208                    | E               | No                           | 40                          | 46                   | 28                                     | 44                   | Nil                       | Nil                  |
| EPL ID 38<br>(Maison Dieu)           | 20/05/2026 22:21    | 2.1       | 243                    | E               | No                           | 39                          | 46                   | 27                                     | 35                   | Nil                       | Nil                  |
| EPL ID 39<br>(Long Point)            | 20/05/2026 23:13    | 1.6       | 237                    | F               | No                           | 37                          | 46                   | IA                                     | IA                   | Nil                       | Nil                  |
| EPL ID 40<br>(Moses Crossing)        | 21/05/2026 00:09    | 0.9       | 343                    | F               | No                           | 39                          | 46                   | <25                                    | <25                  | Nil                       | Nil                  |
| EPL ID 41<br>(Jerrys Plains East)    | 20/05/2026 23:47    | 1.2       | 225                    | F               | No                           | 39                          | 46                   | 31                                     | 36                   | Nil                       | Nil                  |
| EPL ID 42<br>(Jerrys Plains Village) | 20/05/2026 22:21    | 2.1       | 243                    | E               | No                           | 40                          | 46                   | <25                                    | <25                  | Nil                       | Nil                  |
| EPL ID 43<br>(Jerrys Plains West)    | 20/05/2026 22:00    | 1.8       | 245                    | D               | No                           | 40                          | 46                   | 26                                     | 30                   | Nil                       | Nil                  |

Notes:

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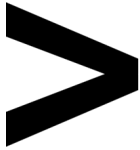
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**Effective:**

**Review:**

08/07/2026

[Planned Review Date]



1. Noise limits are adjusted by +5 dB during 'very noise-enhancing meteorological conditions' in accordance with the NPfl. Refer to Section 2.6 for additional information.
2. Site-only  $L_{Aeq,15\text{minute}}$ , includes modifying factor penalties if applicable.
3. Site-only  $L_{A1,1\text{minute}}$  based on measured site-only  $L_{Amax}$  as detailed in Section 3.2.
4. Degrees magnetic north, "-" indicates calm conditions.