

# 1646 - Macka's Sand - EPL 13218

## Monthly Air Quality Monitoring

Licence Holder

| Date Sampled                                    | Depositional Dust - Total Insoluble Solid (g/m <sup>2</sup> /month) |                  |                |                | Comments  |
|---|---|------------------|----------------|----------------|---|
|   | Samples required by licence   | Samples analysed | DDG1 - Lot 220 | DDG2 - Lot 218 |   |
| 25/01/2023                                      | 2   | 2                | <b>0.3</b>     | <b>4.8</b>     |   |
| 26/02/2023                                      | 2   | 2                | <b>0.1</b>     | <b>0.2</b>     |   |
| 26/03/2023                                      | 2   | 2                | <b>0.2</b>     | <b>1.3</b>     |   |
| 26/04/2023                                      | 2   | 2                | <b>0.1</b>     | 0.1            |   |
| 26/05/2023                                      | 2   | 2                | <b>2.6</b>     | <b>8.3</b>     |   |
| 26/06/2023                                      | 2   | 2                | <b>0.1</b>     | <b>0.1</b>     |   |
| -   | -   | -                | -              | -              | Samples damaged during transit.   |
| 26/08/2023                                      | 2   | 2                | <b>0.2</b>     | <b>3.4</b>     |   |
| 26/09/2023                                      | 2   | 1                | N/A            | <b>4.8</b>     | Sample DDG1 broken in field.  |
| 27/10/2023                                      | 2   | 2                | <b>0.2</b>     | <b>14.2</b>    |   |
| 24/11/2023                                      | 2   | 2                | <b>0.4</b>     | <b>0.5</b>     |   |
| 22/12/2023                                      | 2   | 2                | <b>6.5</b>     | <b>2.5</b>     | Bushfire occurred in close proximity of DDG1 during December                |
| 25/01/2024                                      | 2   | 2                | <b>2.5</b>     | <b>4.6</b>     | Agricultural disturbance around DDG2  |
| 29/02/2024                                      | 2   | 2                | <b>6.0</b>     | <b>15.0</b>    | Agricultural activity in proximity to both gauges                           |
| 28/03/2024                                      | 2   | 2                | <b>15.7</b>    | <b>14.2</b>    | Agricultural ploughing in proximity to DDG1, earthworks (dam cleanout) near |
| 2/05/2024                                       | 2   | 2                | <b>3.5</b>     | <b>7.5</b>     | Agricultural activity around DDG2   |
|   | 2   |                  |                |                |   |
|   | 2   |                  |                |                |   |
|   |   |                  |                |                |   |
| Annual mean value as of 30/06/2023 <sup>1</sup> |   |                  | <b>4.4</b>     | <b>7.4</b>     |   |
| Annual min value as of 26/12/2023 <sup>1</sup>  |   |                  | <b>0.2</b>     | <b>0.5</b>     |   |
| Annual max value as of 26/12/2023 <sup>1</sup>  |   |                  | <b>15.7</b>    | <b>15.0</b>    |   |

Note:

Bold values indicate results greater than laboratory Limit of Reporting (0.1 g/m<sup>2</sup>/month)

<sup>1</sup>Annual min, mean and max values are calculated from data collected during the current EPL reporting period (June 30<sup>th</sup> 2023 - current date).