

## May 2018 - Dust Monitoring Register



**Licensee:** Laing O'Rourke Australia Construction Pty Ltd  
**Premises:** Woolgoolga to Ballina Pacific Highway Upgrade Project, Harwood NSW 2465  
**Licence No:** 20713

| Air Monitoring for Solid Particles is conducted monthly - Units of measure: g/m2/month |                     |                                                 |                               |               |                                 |               |                   |                                            |                                     |                    |                                 |                             |                                 |
|----------------------------------------------------------------------------------------|---------------------|-------------------------------------------------|-------------------------------|---------------|---------------------------------|---------------|-------------------|--------------------------------------------|-------------------------------------|--------------------|---------------------------------|-----------------------------|---------------------------------|
| Contractor                                                                             | Location            | Exposure Period - Date on / Date off (DD/MM/YY) | Sample Name                   | Sample Number | Sample Comments                 | Sampling Days | Sample Volume (L) | Target Total Suspended Solids (g/m2/month) | Total Suspended Solids (g/m2/month) | Laboratory Results |                                 |                             |                                 |
|                                                                                        |                     |                                                 |                               |               |                                 |               |                   |                                            |                                     | Ash (g/m2/month)   | Combustible Matter (g/m2/month) | Soluble Matter (g/m2/month) | Grand Total Solids (g/m2/month) |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG20                         | H0589/19      | ..                              | 32            | 0.240             | <4                                         | 0.3                                 | 0.1                | 0.2                             | 0.2                         | 0.5                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG21                         | H0589/20      | dry/o.2L milliQ added           | 32            | 0.200             | <4                                         | 0.3                                 | 0.1                | 0.1                             | 1.4                         | 1.7                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG22                         | H0589/21      | insects/org. matter             | 32            | 0.750             | <4                                         | 1.2                                 | 0.6                | 0.7                             | 1.8                         | 3.0                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG23                         | H0589/22      | fine org. matter                | 32            | 0.740             | <4                                         | 0.2                                 | 0.1                | 0.1                             | 1.7                         | 2.0                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG24                         | H0589/23      | ..                              | 32            | 0.520             | <4                                         | 0.5                                 | 0.3                | 0.1                             | 1.7                         | 2.1                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG25                         | H0589/24      | yellowish/org. matter           | 32            | 0.440             | <4                                         | 0.7                                 | 0.3                | 0.4                             | 2.0                         | 2.7                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG26                         | H0589/25      | fine org. matter                | 32            | 0.600             | <4                                         | 0.6                                 | 0.3                | 0.3                             | 1.7                         | 2.3                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG27                         | H0589/26      | fine org. matter                | 32            | 0.680             | <4                                         | 1.0                                 | 0.6                | 0.4                             | 1.9                         | 2.9                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG28                         | H0589/27      | insects/fine org. matter        | 32            | 0.670             | <4                                         | 0.7                                 | 0.3                | 0.3                             | 1.9                         | 2.5                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG29                         | H0589/28      | green/algae present/org. matter | 32            | 0.430             | <4                                         | 5.6                                 | 0.8                | 4.8                             | 9.5                         | 15.1                            |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG30                         | H0589/29      | org. matter                     | 32            | 0.570             | <4                                         | 0.6                                 | 0.3                | 0.4                             | 1.8                         | 2.5                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG31                         | H0589/30      | org. matter                     | 32            | 0.740             | <4                                         | 0.9                                 | 0.4                | 0.5                             | 1.9                         | 2.8                             |
| SWC                                                                                    | Portion A Section 3 | 19/04/2018 - 21/05/2018                         | DDG32                         | H0589/31      | yellowish/org. matter           | 32            | 0.380             | <4                                         | 1.1                                 | 0.2                | 0.9                             | 0.6                         | 1.7                             |
| BGC                                                                                    | Portion A Section 4 | 22/05/2018 - 19/6/2018                          | Tyndale                       | DG02          | ..                              | 32            | 0.850             | <4                                         | 0.2                                 | 0.0                | 0.2                             | 1.7                         | 1.9                             |
| BGC                                                                                    | Portion A Section 4 | 19/04/2018-21/05/2018                           | Maloneys                      | DG03          | ants/light brown/org. matter    | 32            | 1.500             | <4                                         | 1.8                                 | 0.2                | 1.6                             | 8.2                         | 10.0                            |
| BGC                                                                                    | Portion A Section 4 | 19/04/2018-21/05/2018                           | Byrons Lane                   | DG04          | org. matter                     | 32            | 0.300             | <4                                         | 0.5                                 | 0.3                | 0.2                             | 1.6                         | 2.1                             |
|                                                                                        |                     |                                                 |                               |               |                                 |               |                   | <4                                         | 9.1                                 | 3.7                | 5.4                             | 5.0                         | 14.0                            |
| BGC                                                                                    | Portion A S4        | 19/04/2018-21/05/2018                           | Shark Creek                   | DG05          | light brown/org. matter         | 32            | 1.600             |                                            |                                     |                    |                                 |                             |                                 |
| BGC                                                                                    | Portion A S4        | 19/04/2018-21/05/2018                           | Schwonberg St                 | DG06          | ..                              | 32            | 1.100             | <4                                         | 0.3                                 | 0.1                | 0.2                             | 1.4                         | 1.7                             |
|                                                                                        |                     |                                                 |                               |               |                                 |               |                   | <4                                         | 7.4                                 | 0.4                | 7.0                             | 14.1                        | 21.5                            |
| BGC                                                                                    | Portion A S4        | 19/04/2018-21/05/2018                           | Clyde Essex Dr                | DG07          | brown/org. matter               | 32            | 1.240             |                                            |                                     |                    |                                 |                             |                                 |
| BGC                                                                                    | Portion A S4        | 19/04/2018-21/05/2018                           | Causleys                      | DG08          | org. matter                     | 32            | 1.380             | <4                                         | 1.4                                 | 0.1                | 1.3                             | 2.4                         | 3.7                             |
| BGC                                                                                    | Portion A S4        | 19/04/2018-21/05/2018                           | BP Ln                         | DG09          | ..                              | 32            | 1.280             | <4                                         | 0.8                                 | 0.6                | 0.2                             | 2.0                         | 2.8                             |
| BGC                                                                                    | Portion A S4        | 19/04/2018-21/05/2018                           | Visitor info centre           | DG10          | ants                            | 32            | 1.000             | <4                                         | 0.4                                 | 0.1                | 0.3                             | 2.0                         | 2.4                             |
| BGC                                                                                    | Portion A S4        | 19/04/2018-21/05/2018                           | Motel                         | DG11          | ..                              | 32            | 1.000             | <4                                         | 0.4                                 | 0.2                | 0.2                             | 1.7                         | 2.2                             |
| BGC                                                                                    | Portion A S4        | 19/04/2018-21/05/2018                           | M1 Norley - Byron             | DG12          | ..                              | 32            | 1.000             | <4                                         | 0.0                                 | 0.0                | 0.0                             | 1.7                         | 1.7                             |
| BGC                                                                                    | Portion A S4        | 19/04/2018-21/05/2018                           | Tyndale                       | DG13          | limited sample                  | 32            | 0.010             | <4                                         | 0.1                                 | 0.0                | 0.1                             | 0.7                         | 0.9                             |
| Pacific Complete                                                                       | Portion B S5        | 27/04/2018 - 22/05/2018                         | Watts Lane                    | DDG5-06       | Cloudy                          | 25            | 1.000             | <4                                         | 6.5                                 | 5.9                | 0.6                             | 0.0                         | 6.5                             |
| Pacific Complete                                                                       | Portion B S5        | 27/04/2018 - 22/05/2018                         | Serpentine Channel North      | DDG5-08       | Fine organic matter             | 25            | 1.250             | <4                                         | 1.6                                 | 0.8                | 0.7                             | 0.3                         | 1.9                             |
| Pacific Complete                                                                       | Portion B S5        | 27/04/2018 - 22/05/2018                         | Chatsworth South East         | DDG 5- 09     | Organic matter                  | 25            | 0.900             | <4                                         | 1.1                                 | 0.5                | 0.6                             | 0.2                         | 1.3                             |
| Pacific Complete                                                                       | Portion B S5        | 27/04/2018 - 22/05/2018                         | Fischers Lane - Control Gauge | DDG 5- 11     | ---                             | 25            | 1.150             | <4                                         | 0.6                                 | 0.3                | 0.3                             | 0.3                         | 0.9                             |
| Pacific Complete                                                                       | Portion B S5        | 27/04/2018 - 22/05/2018                         | Fischers Lane                 | DDG 5- 12     | Light brown / organic matter    | 25            | 0.950             | <4                                         | 2.6                                 | 0.6                | 2.0                             | 4.2                         | 6.7                             |
| Pacific Complete                                                                       | Portion B S5        | 27/04/2018 - 22/05/2018                         | Mororo Bridge South West      | DDG 5- 13     | ---                             | 25            | 1.170             | <4                                         | 1.1                                 | 0.8                | 0.3                             | 0.0                         | 1.1                             |
| Pacific Complete                                                                       | Portion B S5        | 27/04/2018 - 22/05/2018                         | Garretts Lane West            | DDG 5- 14     | Organic matter                  | 25            | 0.980             | <4                                         | 1.3                                 | 0.7                | 0.6                             | 0.2                         | 1.5                             |
| Pacific Complete                                                                       | Portion B S5        | 27/04/2018 - 22/05/2018                         | Garretts Lane North           | DDG 5- 15     | Cloudy / organic matter         | 25            | 1.100             | <4                                         | 2.5                                 | 1.1                | 1.3                             | 3.2                         | 5.7                             |
| Pacific Complete                                                                       | Portion B S5        | 27/04/2018 - 22/05/2018                         | Iluka Road Compound           | DDG 5- 16     | Organic matter                  | 25            | 0.970             | <4                                         | 0.5                                 | 0.2                | 0.2                             | 0.1                         | 0.6                             |
| Pacific Complete                                                                       | Portion B S5        | 27/04/2018 - 22/05/2018                         | Woombah Woods Caravan Pa      | DDG 5- 17     | ---                             | 25            | 0.970             | <4                                         | 0.6                                 | 0.2                | 0.4                             | 0.1                         | 0.7                             |
| BMD                                                                                    | Portion B S6        | 21/03/2018 - 20/04/2018                         | Ellen Property                | DDG15         | insects                         | 30            | 1.060             | <4                                         | 0.8                                 | 0.0                | 0.8                             | 1.8                         | 2.7                             |
| BMD                                                                                    | Portion B S6        | 21/03/2018 - 20/04/2018                         | McLaren Property              | DDG16         | insects                         | 30            | 1.130             | <4                                         | 0.3                                 | 0.0                | 0.3                             | 1.3                         | 1.7                             |
| BMD                                                                                    | Portion B S6        | 21/03/2018 - 20/04/2018                         | De-Winton Property            | Control DDG17 | insects                         | 30            | 1.320             | <4                                         | 0.3                                 | 0.0                | 0.3                             | 1.4                         | 1.6                             |
| BMD                                                                                    | Portion B S6        | 21/03/2018 - 20/04/2018                         | Jacky Bulbin Road             | DDG18         | org. matter                     | 30            | 1.710             | <4                                         | 0.7                                 | 0.3                | 0.4                             | 1.9                         | 2.6                             |
| BMD                                                                                    | Portion B S6        | 21/03/2018 - 20/04/2018                         | Rainbow                       | DDG19         | org. matter                     | 30            | 1.800             | <4                                         | 0.2                                 | 0.0                | 0.2                             | 1.6                         | 1.8                             |

| Contractor | Location         | Exposure Period - Date on / Date off (DD/MM/YY) | Sample Name                   | Sample Number | Sample Comments                                                                                                                                    | Sampling Days | Sample Volume (L) | Target Total Suspended Solids (g/m2/month) | Total Suspended Solids (g/m2/month) | Laboratory Results |                                 |                             |                                 |
|------------|------------------|-------------------------------------------------|-------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|--------------------------------------------|-------------------------------------|--------------------|---------------------------------|-----------------------------|---------------------------------|
|            |                  |                                                 |                               |               |                                                                                                                                                    |               |                   |                                            |                                     | Ash (g/m2/month)   | Combustible Matter (g/m2/month) | Soluble Matter (g/m2/month) | Grand Total Solids (g/m2/month) |
| BMD        | Portion B S6     | 21/03/2018 - 20/04/2018                         | Devils Pulpit                 | DDG20         | insects                                                                                                                                            | 30            | 1,300             | < 4                                        | 0.3                                 | 0.0                | 0.3                             | 1.4                         | 1.7                             |
| Golding    | Portion B S5     | 22/04/2018-24/05/2018                           | DDG 5-07                      | 7             | TSS mg/m2/day = 14                                                                                                                                 | 32            | 0.890             | <4                                         | 0.4                                 |                    |                                 |                             | 0.4                             |
| SEE Civil  | Portion B VAR 40 | 27/04/2018 - 28/05/2018                         | Highland Ridge, Maclean - MCC | DDG 5-02      |                                                                                                                                                    | 31            |                   | <4                                         |                                     |                    |                                 |                             |                                 |
| SEE Civil  | Portion B VAR 40 | 27/04/2018 - 28/05/2018                         | Farlows Lane, Maclean - MCC   | DDG 5-03      | Organic material present                                                                                                                           | 31            | 0.640             | <4                                         | 0.7                                 | 0.5                | 0.2                             | 0.4                         | 1.1                             |
| SEE Civil  | Portion B VAR 40 | 27/04/2018 - 28/05/2018                         | Fill 5.1 East - MCC           | DDG4          | Organic material/insects present                                                                                                                   | 31            | 0.670             | <4                                         | 0.6                                 | 0.3                | 0.2                             | 0.4                         | 1.0                             |
| SEE Civil  | Portion B VAR 40 | 27/04/2018 - 28/05/2018                         | Fill 5.4 South - MCC          | DDG5          | Significant organic material present                                                                                                               | 31            | 0.960             | <4                                         | 2.2                                 | 0.1                | 2.1                             | 110.6                       | 112.9                           |
| CPB        | Portion C        | 27/4/2018 - 22/5/2018                           |                               |               | Dust results not available, will be reported in June.                                                                                              |               |                   | <4                                         |                                     |                    |                                 |                             |                                 |
| Quickway   | Portion D        | 10/04/2018 / 05/05/2018                         | H0282/1                       | DDG10-11      | Some organic matter                                                                                                                                | 29            | 2,940             | < 4                                        | 1.1                                 | 0.9                | 0.2                             | 1.6                         | 2.7                             |
| LendLease  | Portion D        | May-18                                          | DDG01                         | 1             | Some material in funnel.                                                                                                                           | 32            | 1,350             | < 4                                        | 1.1                                 |                    |                                 |                             |                                 |
| LendLease  | Portion D        | May-18                                          | DDG02                         | 2             | Spider web across funnel. Some material visible in sample.                                                                                         | 32            | 1,490             | < 4                                        | 1.0                                 | 0.4                | 0.6                             | 2.0                         | 3.0                             |
| LendLease  | Portion D        | May-18                                          | DDG03                         | 3             | Clean funnel Lab- small org. matter                                                                                                                | 32            | 1,780             | < 4                                        | 0.7                                 | 0.3                | 0.4                             | 2.1                         | 2.8                             |
| LendLease  | Portion D        | May-18                                          | DDG04                         | 4             | Some material visible in sample                                                                                                                    | 32            | 2,200             | < 4                                        | 0.4                                 | 0.0                | 0.4                             | 2.1                         | 2.5                             |
| LendLease  | Portion D        | May-18                                          | DDG05                         | 5             | Some grass in funnel. Some material visible in sample. Lab- org matter                                                                             | 32            | 1,920             | < 4                                        | 0.8                                 | 0.3                | 0.5                             | 2.0                         | 2.8                             |
| LendLease  | Portion D        | May-18                                          | DDG06                         | 6             | Clean funnel. Some material visible in sample                                                                                                      | 32            | 2,030             | < 4                                        | 0.6                                 | 0.1                | 0.5                             | 2.1                         | 2.7                             |
| LendLease  | Portion D        | May-18                                          | DDG07                         | 7             | Clean funnel. Area recently slashed. Some material visible in sample. Lab- org. matter                                                             | 32            | 2,150             | < 4                                        | 1.2                                 | 0.7                | 0.5                             | 2.2                         | 3.4                             |
| LendLease  | Portion D        | May-18                                          | DDG08                         | 8             | Clean funnel. Very little material visible in sample                                                                                               | 32            | 1,980             | < 4                                        | 0.7                                 | 0.2                | 0.5                             | 1.9                         | 2.5                             |
| LendLease  | Portion D        | May-18                                          | DDG09                         | 9             | Clean funnel                                                                                                                                       | 32            | 1,200             | < 4                                        | 0.2                                 | 0.1                | 0.1                             | 0.0                         | 0.0                             |
| LendLease  | Portion D        | May-18                                          | DDG10                         | 10            | wass or woodchip at base of sample location. Sample contained visible woodchip material. Need to consult with owner. Lab- yellow/brown/org. matter | 32            | 1,600             | < 4                                        | 11.8                                | 0.8                | 10.9                            | 1.9                         | 13.7                            |
| LendLease  | Portion D        | May-18                                          | DDG11                         | 11            | Clean funnel. Little material visible in sample                                                                                                    | 32            | 1,790             | < 4                                        | 0.4                                 | 0.2                | 0.2                             | 1.6                         | 2.0                             |
| LendLease  | Portion D        | May-18                                          | DDG12                         | 12            | Grass in funnel. Nearby works-concrete slab layed during monitoring period. Lab- cloudy org. matter                                                | 32            | 1,600             | < 4                                        | 3.8                                 | 1.7                | 2.1                             | 2.8                         | 6.6                             |
| LendLease  | Portion D        | May-18                                          | DDG13                         | 13            | Clean funnel. Lab- small org. matter                                                                                                               | 32            | 1,930             | < 4                                        | 0.5                                 | 0.1                | 0.3                             | 0.8                         | 1.3                             |
| LendLease  | Portion D        | May-18                                          | Control                       |               | Sample location vandalised - Monitoring equipment stolen. No sample taken.                                                                         |               |                   | < 4                                        |                                     |                    |                                 |                             |                                 |
| AFHJV      | Portion E        | 29/03/2018 - 30/4/2018                          | DDG1                          | DDG1          | some org. matter                                                                                                                                   | 32            | 1,200             | <4                                         | 0.8                                 | 0.3                | 0.5                             | 1.2                         | 2.0                             |
| AFHJV      | Portion E        | 29/03/2018 - 30/4/2018                          | DDG2                          | DDG2          | some org. matter                                                                                                                                   | 32            | 1,190             | <4                                         | 0.8                                 | 0.2                | 0.6                             | 1.5                         | 2.3                             |
| AFHJV      | Portion E        | 29/03/2018 - 30/4/2018                          | DDG3                          | DDG3          | ..                                                                                                                                                 | 32            | 0,950             | <4                                         | 1.4                                 | 1.0                | 0.4                             | 1.1                         | 2.5                             |
| AFHJV      | Portion E        | 29/03/2018 - 30/4/2018                          | DDG4                          | DDG4          | ..                                                                                                                                                 | 32            | 0,990             | <4                                         | 0.5                                 | 0.1                | 0.4                             | 1.2                         | 1.7                             |
| AFHJV      | Portion E        | 29/03/2018 - 30/4/2018                          | DDG5                          | DDG5          | ..                                                                                                                                                 | 32            | 1,190             | <4                                         | 1.2                                 | 0.6                | 0.6                             | 1.4                         | 2.5                             |
| LendLease  | Portion F        | May-18                                          | RRB - S                       |               |                                                                                                                                                    | 33            | 1,300             | < 4                                        | 0.1                                 |                    |                                 |                             |                                 |
| LendLease  | Portion F        | May-18                                          | RRB - N                       |               |                                                                                                                                                    | 33            | 1,350             | < 4                                        | 1.1                                 |                    |                                 |                             |                                 |
| LendLease  | Portion F        | May-18                                          | RRB - C                       |               |                                                                                                                                                    | 33            | 1,250             | < 4                                        | 0.8                                 |                    |                                 |                             |                                 |
| Georgou    | Portion G        | 5/4/18 - 4/5/18                                 | Pimlico road - control        | DDG 11 - 05   |                                                                                                                                                    | 29            | 4,300             | <4                                         | 0.1                                 | 0.0                | 0.1                             | 1.9                         | 2.1                             |
| Georgou    | Portion G        | 5/4/18 - 4/5/18                                 | Pac Hwy Sth                   | DDG 11 - 06   |                                                                                                                                                    | 29            | 3,450             | <4                                         | 0.6                                 | 0.0                | 0.6                             | 2.5                         | 3.2                             |
| Georgou    | Portion G        | 5/4/18 - 4/5/18                                 | Smith Drive nrth              | DDG 11 - 07   | Some org. matter                                                                                                                                   | 29            | 3,550             | <4                                         | 0.0                                 | 0.0                | 0.0                             | 2.7                         | 2.7                             |