

31st July 2019

D0125:AXS

31009 Riverwalk Werribee Stage 18 CLET 10042019 rev2

Nimai Hawkins
Development Victoria
Level 9, 8 Exhibition St, Melbourne 3000
Melbourne, Victoria 3000

Dear Nimai,

Asbestos Clearance Certificate - Asbestos Processing Works conducted at Riverwalk Residential Development Stage 18, Lots 1801 to 1823, Farm Road, Werribee, Victoria

Prensa Pty Ltd (Prensa) was requested by Development Victoria to provide this asbestos clearance certificate in relation to the soil abatement works, completed by Enviropacific (Licence No. H07/01579) from the 28th of February to the 10th of April 2019, within nominated areas of Riverwalk Development Stage 18, Lots 1801 to 1823, Farm Road, Werribee, Victoria (the 'Site').

This clearance certificate should be read in conjunction with existing asbestos in soil investigation reports prepared for the Site (ref Prensa report: *29856 Riverwalk Stages 15-18 Asb Inv dated January 2019*).

1 Objective

The objective of this clearance inspection was as follows:

- To assess whether the works conducted by Enviropacific at the Site were conducted in accordance with the standard described in the Victorian *Occupational Health and Safety Regulations 2017 S.R. No. 22/2017*; and
- To evaluate the likelihood that the Site meets the adopted Health Screening Level 'A' classification, as outlined in the *National Environmental Protection Measure (NEPM), 1999 (April 2013)* following the asbestos removal works.

2 Scope of Asbestos Remediation Works

The asbestos remediation works at the Site comprised of the removal of non-friable asbestos-containing material (ACM) confirmed to contain asbestos (refer to Prensa report **29856-001 BSA 14122018**) from the top 0.1 m of soil from the area nominated 'Stage 18 Allotments 1601 to 1639' (Work Areas), which comprised a total area of approximately 10,250m².

During the assessment of the Site, four (4) of the twenty-three (23) Lots were confirmed to contain asbestos (refer to Prensa report **29856 Riverwalk Stages 15-18 Asb Inv**) (**Photograph 1**).

As such the following remediation processes were adopted:

- Allotments: tilling of the soil using a tractor with a chisel plough (3 m wide with tynes approximately 120 mm apart) attached, conservatively set to a maximum depth of 0.2 m. Asbestos removalists walked behind hand picking and removing visible ACM as the soil was displaced (**Photographs 2**). Prensa notes that the orientation of the tilling alternated based on site specific conditions (i.e. underground services, property fences etc.); and
- Nature strips: a combination of hand raking to a maximum depth of 0.1 m to remove or displace the vegetation and hand picking the visible ACM. Both of these processes were under supervision of a Prensa consultant.

Prensa notes that during the above scope, approximately ten (10) asbestos fragments were handpicked and placed into 200 micron thick plastic bags by Enviropacific. These bags were subsequently disposed of at an appropriately licensed landfill facility by Enviropacific.

Prensa notes that additional removal works were conducted at the Site (as per **30301Q Riverwalk Stages 15-18 Hygiene** and **29856 Riverwalk Stages 15-18 Asb Inv**) which comprised of the removal of approximately 50m³ of stockpiled soil containing assumed friable and non-friable asbestos material within Stage 18, Lots 1809 and 1810, north east corner of the Site (**Photograph 3**).

It is noted that this clearance certificate refers only to areas outlined above, which will hereby be referred to as the 'Work Area'. Refer to attached **Site Plan** for the location outlined above.

3 Prensa Scope of Works

Prensa conducted control airborne asbestos monitoring and a visual clearance inspection.

Airborne asbestos fibre monitoring was conducted in general accordance with:

- Victorian *Occupational Health and Safety Regulations 2017. S.R. No. 22/2017*;
- Membrane Filter Method for Estimating Airborne Asbestos Fibres [NOHSC:3003(2005)]; and
- Prensa Test Method – Asbestos & SMF Fibre Counting Method PRLAB2003.

Prensa's inspection was conducted to the standard described in Regulation 297 *Clearance certificates* of the Victorian *Occupational Health and Safety Regulations 2017. S.R. No. 22/2017* and the remediation process was compliant with the *National Environmental Protection Measure, 1999 (April 2013) NEPM 2013*.

4 Air Monitoring

Prensa conducted control airborne asbestos fibre monitoring (air monitoring) at the perimeter of the Work Area during the asbestos remediation works.

The results from the air monitoring are described in the previously issued National Association of Testing Authorities (NATA) laboratory reports (See previously issued reports **28910.001 AR 28022019** to **28910.013 AR 10042019**). It is noted that the results of the air monitoring are less than the laboratory detection limit (<0.01 f/ml).

5 Clearance Inspection

A Prensa consultant progressively inspected the Work Areas from the 28th of February to the 10th of April 2019 and observed the asbestos remediation and removal works had been satisfactorily completed, and no visible asbestos debris associated with the above listed remediation works remained on the soil surface within the Work Areas where the asbestos remediation and removal work was performed (**Photograph 4-6**).

6 Findings

Based on the findings of Prensa's clearance inspection and the air monitoring results, it is Prensa's opinion that the asbestos remediation and removal works conducted by Enviropacific at the Site have been completed to a satisfactory standard as per the relevant state regulations outlined in **Section 3**.

It is also noted that in accordance with the *National Environmental Protection Measure (NEPM), 1999 (April 2013)* the remediated topsoil is consistent with the health screening levels specified for 'A' residential land use. The 0.01% w/w asbestos health screening level for 'A' is unlikely to be exceeded as ACM has now been removed from the surface soils to a minimum depth of 0.1 m, so far as is reasonably practicable.

It should be noted that Prensa has not identified visible ACM below 0.1 m, or within the fill material used at the Site.

Prensa recommends that this clearance certificate be kept with the Site asbestos register as a record of these asbestos remediation works being completed. Additionally, the Site asbestos/hazardous materials register should be updated to reflect the completion of these works as outlined in

Section 5.

In accordance with Regulation 295 of the *Victorian Occupational Health and Safety Regulations 2017. S.R. No. 22/2017*, Development Victoria should provide the results of this clearance inspection and any associated air monitoring results to Enviropacific.

7 Limitations

Prensa notes that this clearance inspection relates to the remediation of the asbestos-containing materials from the top 0.1 m of the soil surface of the areas outlined in **Section 2** only, and was true at the time and date of Prensa's inspection.

Prensa also recognises that further asbestos-containing materials may be present within the area and if any assumed asbestos-containing materials are found during future works, then a competent hygienist should be contacted to undertake sampling.

Should you have any questions regarding this clearance certificate, please do not hesitate to contact the Prensa Melbourne office on (03) 9508 0100.

Yours sincerely,



Andrew Saciuk
HSE Consultant
Prensa Pty Ltd

Attachments: Air monitoring reports
 NATA Accredited Bulk Sample Analysis Report
 Photographs
 Site Plan
 Statement of Limitations

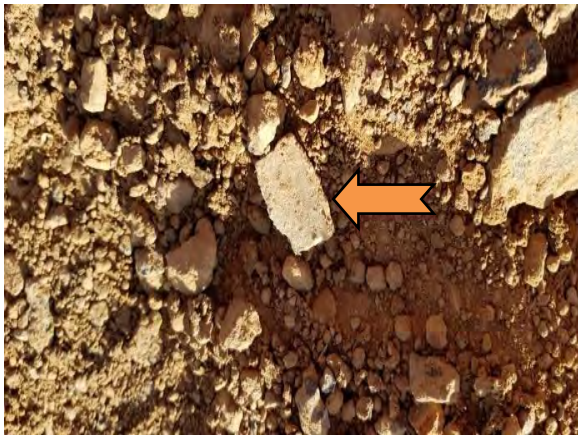


Photo 1. Asbestos-containing fibre cement sheet debris located on the soil surface within Riverwalk Stage 18.



Photo 2. Asbestos-containing fibre cement sheet debris removed from the soil surface within Riverwalk Stage 18.



Photo 3. The soil stockpile on Lots 1809 and 1810 prior to removal works.



Photo 4. Lot 1809 and 1810, Excavation zone post visual inspection.



Photo 5. Riverwalk Stage 18 following remediation works.



Photo 6. Riverwalk Stage 18 following remediation works.

Statement of Limitations

This document has been prepared in response to specific instructions from the Client to whom the report has been addressed. The work has been undertaken with the usual care and thoroughness of the consulting profession. The work is based on generally accepted standards, practices of the time the work was undertaken. No other warranty, expressed or implied, is made as to the professional advice included in this report.

The report has been prepared for the use by the Client and the use of this report by other parties may lead to misinterpretation of the issues contained in this report. To avoid misuse of this report, Prensa advise that the report should only be relied upon by the Client, GHD and those parties expressly referred to in the introduction of the report. The report should not be separated or reproduced in part and Prensa should be retained to assist other professionals who may be affected by the issues addressed in this report to ensure the report is not misused in any way.

Unless otherwise stated in this report, the scope is limited to fixed and installed materials and excludes buried waste materials, contaminated dusts and soils.

Unless expressly stated it is not intended that this report be used for the purposes of tendering works. Where this is the intention of the Client, this intention needs to be communicated with Prensa and included in the scope of the Proposal.

Prensa is not a professional quantity surveyor (QS) organisation. Any areas, volumes, tonnages or any other quantities noted in this report are indicative estimates only. The services of a professional QS organisation should be engaged if quantities are to be relied upon.

Visual Inspection Limitations

It is noted that while the visual inspection has attempted to locate any residual asbestos-containing dust or debris materials associated with the scope of removal/remedial works remaining within the work area(s), the inspection was limited to only a visual assessment and limited strategic air monitoring program and/or the review and analysis of previous reports/information made available. Prensa notes that due to the lack of homogeneity of building materials it is possible that the inspection has not detected all asbestos within the nominated locations.

Given that a visual inspection was limited to the removal/remedial scope of works only, not all materials known or assumed or suspected of containing asbestos at the time of the inspection were assessed.

Therefore, it is possible that asbestos materials, which may be concealed within inaccessible areas/voids, may not have been located during the visual inspection. Such areas include, but are not limited to:

- Materials concealed behind structural members and within inaccessible building voids
- Areas inaccessible without the aid of scaffolding or lifting devices
- Areas below ground
- Inaccessible ceiling or wall cavities
- Areas which require substantial demolition to access
- Areas beneath floor covering where asbestos-containing materials were not expected to exist
- Materials contained within plant and not accessible without dismantling the plant
- Areas where access is restricted due to locked doors or safety risks.

Reliance on Information Provided by Others

Prensa notes that where information has been provided by other parties in order for the works to be undertaken, Prensa cannot guarantee the accuracy or completeness of this information. The Client therefore waives any claim against the company and agrees to indemnify Prensa for any loss, claim or liability arising from inaccuracies or omissions in information provided to Prensa by third parties. No indications were found during our investigations that information contained in this report, as provided to Prensa, is false.

Future Works

During future works at the site, care should be taken when entering or working in any previously inaccessible areas or areas mentioned above and it is imperative that works cease immediately pending further investigation and sampling (if necessary) if any unknown materials are encountered. Therefore, during any refurbishment or demolition works, further investigation, sampling and/or assessment may be required should any suspect or unknown material be observed in previously inaccessible areas or areas not fully inspected, i.e. carpeted floors.

15 March 2019

D0125:AXS

31009.011 AR 15032019

Page 1 of 2

Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.011 AR
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	15 March 2019	Sampled By:	Andrew Saciuk

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office, Riverwalk Development Farm Rd, Werribee, Victoria 3030

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Andrew Saciuk

Approved Asbestos Fibre Counter



Oscar Fairweather

Prensa Signatory



WORLD RECOGNISED
ACCREDITATION

NATA accredited laboratory 17366

Corporate Site No. 17366 Melbourne Site No. 19121

Accredited for compliance with ISO/IEC 17025 - Testing

Airborne Asbestos Monitoring Results

Job Location: Stage 15-18 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB711	Stage 15, North east boundary of the Work Area, Lot 1519, adjacent Gravid St, on temp fencing	07:01 – 10:20	3000	0.0 / 100	< 0.01
LB988	Stage 15, South east boundary of the Work Area, Lot 1533, adjacent Gravid St, on temp fencing	07:04 – 10:23	3000	2.0 / 100	< 0.01
LB5017	Stage 15, South west boundary of the Work Area, Lot 1526, adjacent Gravid St, on temp fencing	07:08 – 10:27	3000	1.0 / 100	< 0.01
LB1565	Stage 15, North west boundary of the Work Area, Lot 1510, adjacent Natura Ave, on temp fencing	07:12 – 10:28	3000	0.5 / 100	< 0.01
LB1771	Stage 15, central to boundaries of the Work Area, Lot 1529, adjacent Gravid St, on temp fencing	07:15 – 10:30	3000	0.0 / 100	< 0.01
LB942	Stage 15, Enviropacific Site Shed, Lot 1522, adjacent Natura Ave, on switchboard	07:17 – 10:35	3000	0.0 / 100	< 0.01

14 March 2019

D0125:SWM

31009.010 AR 14032019

Page 1 of 2

Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.010 AR
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	14 March 2019	Sampled By:	Andrew Saciuk & Stewart McCooke

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office, Riverwalk Development Farm Rd, Werribee, Victoria 3030

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Stewart McCooke

Approved Asbestos Fibre Counter



Oscar Fairweather

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Corporate Site No. 17366 Melbourne Site No. 19121

Accredited for compliance with ISO/IEC 17025 - Testing

Airborne Asbestos Monitoring Results

Job Location: Stage 15-18 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB1946	Stage 18, South boundary of the Work Area, Lot 1811-21, adjacent Lot 1817-18, on temp fencing	07:21 – 14:16	1200	0.0 / 100	< 0.01
LB1243	Stage 18, North boundary of the Work Area, Lot 1803-08, adjacent Lot 1804, on temp fencing	07:24 – 14:21	1200	0.0 / 100	< 0.01
LB1583	Stage 18, West boundary of the Work Area, Lot 1822-23, adjacent Murrindal St, on temp fencing	07:27 – 14:25	1200	1.0 / 100	< 0.01
LB558	Stage 18, West boundary of the Work Area, Lot 1801-02, adjacent Murrindal St, on temp fencing	07:31 – 14:26	1200	0.0 / 100	< 0.01
LB985	Stage 18, South west boundary of the Work Area, Lot 1811-21, adjacent Natura Ave, on temp fencing	07:39 – 14:17	1200	0.0 / 100	< 0.01
LB1004	Stage 17, North Boundary of Work Area, Lot 1714-21, adjacent Murrindal St, on stake	11:42 – 14: 31	3000	0.0 / 100	< 0.01
LB3028	Stage 17, South Boundary of Work Area, Lot 1701-08, adjacent Murrindal St, on PVC pipe	11:47 – 14:33	3000	0.0 / 100	< 0.01

13 March 2019

D0125:AXS

31009.009 AR 13032019

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Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.009
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	13 March 2019	Sampled By:	Andrew Saciuk & Michael Langmaid

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office, Riverwalk Development Farm Rd, Werribee, Victoria 3030

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Andrew Saciuk

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Corporate Site No. 17366 Melbourne Site No. 19121

Accredited for compliance with ISO/IEC 17025 - Testing

Airborne Asbestos Monitoring Results

Job Location: Stage 15-18 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB2088	Stage 17, North east boundary of the Work Area, Lot 1701-08, adjacent Perry Rd, on temp fencing	07:05 – 14:15	1200	0.0 / 100	< 0.01
LB5017	Stage 17, South boundary of the Work Area, Lot 1701-08, adjacent Murrindal St, on star picket	07:07 – 14:17	1200	1.0 / 100	< 0.01
LB711	Stage 17, North west boundary of the Work Area, Lot 1701-08, adjacent Dutchelm Ave, on temp fencing	07:10 – 14:18	1200	0.0 / 100	< 0.01
LB1711	Stage 16, South west boundary of the Work Area, Lot 1627-35, adjacent Shady St, on temp fencing	07:16 – 14:21	1200	0.0 / 100	< 0.01
LB1037	Stage 16, South east boundary of the Work Area, Lot 1627-35, adjacent Perry Rd, on temp fencing	07:20 – 14:23	1200	0.0 / 100	< 0.01

12 March 2019

D0125:AXS

31009.008 AR 12032019

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Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.008
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	12 March 2019	Sampled By:	Andrew Saciuk & Michael Langmaid

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office, Riverwalk Development Farm Rd, Werribee, Victoria 3030

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Corporate Site No. 17366 Melbourne Site No. 19121

Accredited for compliance with ISO/IEC 17025 - Testing

Airborne Asbestos Monitoring Results

Job Location: Stage 15-18 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB2088	North east boundary of the Work Area, corner of Petty Rd and Murrindal Rd	07:26 – 15:38	1200	0.0 / 100	< 0.01
LB711	South east boundary of the Work Area, corner of Depot Lane and Taggerty St	07:28 – 15:50	1200	0.0 / 100	< 0.01
LB1037	North east boundary of the Work Area, corner of Depot Lane and Murrindal Rd	07:29 – 15:45	1200	1.0 / 100	< 0.01
LB5017	North west boundary of the Work Area, corner of Depot Lane and Murrindal Rd	07:30 – 15:44	1200	0.5 / 100	< 0.01
LB1771	South central boundary of the Work Area, adjacent lot 1717	07:33 – 15:42	1200	0.0 / 100	< 0.01

08 March 2019

D0125:MJL

31009.007 AR 08032019

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Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.007
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	08 March 2019	Sampled By:	Andrew Sachuik & Michael Langmaid

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office, Riverwalk Development Farm Rd, Werribee, Victoria 3030

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Corporate Site No. 17366 Melbourne Site No. 19121

Accredited for compliance with ISO/IEC 17025 - Testing

Airborne Asbestos Monitoring Results

Job Location: Stage 15-18 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB2088	South east boundary of Work Area, corner of Perry Rd and Taggerty St, on star picket	07:09 – 14:45	1200	0.0 / 100	< 0.01
LB1771	South boundary of the Work Area, Corner of Depot Lane and Taggerty St, on temporary Fence	07:11 – 14:46	1200	0.5 / 100	< 0.01
LB5017	North boundary of the Work Area, Murrindal Rd, adjacent to lot 1720, on temporary fence	07:14 – 14:47	1200	0.0 / 100	< 0.01
LB711	Shady St, adjacent to Lots 1634, on temporary fence	07:15 – 14:48	1200	0.5 / 100	< 0.01

07 March 2019

D0125:XXM

31009.006 AR 07032019

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Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.006
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	07 March 2019	Sampled By:	Souzy Melahridis & Michael Langmaid

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office, Riverwalk Development Farm Rd, Werribee, Victoria 3030

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NATA accredited laboratory 17366

Corporate Site No. 17366 Melbourne Site No. 19121

Accredited for compliance with ISO/IEC 17025 - Testing

Airborne Asbestos Monitoring Results

Job Location: Stage 15-18 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB985	East boundary of the Work Area, Corner of Perry Rd and Murrindal St, on temporary fence.	07:22 – 14:02	1200	0.0 / 100	< 0.01
LB191	North boundary of the Work Area, Murrindal Rd, adjacent to lot 1720, on temporary fence	07:26 – 14:04	1200	0.5 / 100	< 0.01
LB1497	South boundary of the Work Area, Corner of Depot Lane and Taggerty St, on temporary Fence	07:28 – 14:05	1200	0.0 / 100	< 0.01
LB1553	Shady St, adjacent to Lots 1634, on temporary fence.	07:31 – 14:06	1200	0.0 / 100	< 0.01
LB5017	Perry Road, adjacent to Lots 1634, on star picket	07:34 – 14:07	1200	1.0 / 100	< 0.01

06 March 2019

D0125:AXS

31009.005 AR 06032019

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Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.005
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	06 March 2019	Sampled By:	Andrew Saciuk & Michael Langmaid

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

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Corporate Site No. 17366 Melbourne Site No. 19121

Accredited for compliance with ISO/IEC 17025 - Testing

Airborne Asbestos Monitoring Results

Job Location: Stage 15 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB1553	Stage 18 North West of Lots 1801-02, Adjacent to Marrindal Street, on temporary fence	07:43 – 13:31	1200	0.5 / 100	< 0.01
LB985	Stage 18 North of Lots 1803-08, Adjacent to Natura Avenue, on temporary fence	07:47 – 13:32	1200	1.0 / 100	< 0.01
LB1497	Stage 16 South of Lots 1623-26, Adjacent to Taggerty Street, on pvc pipe	07:52 – 13:33	1200	0.0 / 100	< 0.01
LB5017	Stage 16 South West of Lots 1615-22, Adjacent to Perry Road, on star picket	07:56 – 13:35	1200	0.0 / 100	< 0.01

05 March 2019

D0125:AXS

31009.004 AR 05032019

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Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.004
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	05 March 2019	Sampled By:	Andrew Saciuk & Michael Langmaid

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office, Riverwalk Residential, Werribee, Victoria 3030

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Michael Langmaid

Approved Asbestos Fibre Counter



Oscar Fairweather

Prensa Signatory



WORLD RECOGNISED
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NATA accredited laboratory 17366

Corporate Site No. 17366 Melbourne Site No. 19121

Accredited for compliance with ISO/IEC 17025 - Testing

Airborne Asbestos Monitoring Results

Job Location: Stage 15 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB5017	South East Site Boundary of lots 1510 - 1519, on temporary fencing	07:12 – 15:18	1200	2.0 / 100	< 0.01
LB985	East Site Boundary of lot 1508, Adjacent to Gravid Street	07:30 – 15:20	1200	1.0 / 100	< 0.01
LB1497	South Site Boundary of lots 1504 – 1509	07:34 – 15:23	1200	VOID	VOID*
LB1771	North Site Boundary of lot 1513	07:39 – 15:25	1200	0.5 / 100	< 0.01
LB1553	South of lot 1510 adjacent Gravid Street	07:42 – 15:26	1200	1.0 / 100	< 0.01

*Void Sample – Filter damaged during sampling process, unable to process sample for fibre counting

04 March 2019

D0125:AXS
31009.003 AR 04032019
Page 1 of 2

Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.003
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	04 March 2019	Sampled By:	Andrew Saciuk & Michael Langmaid

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – Asbestos and Synthetic Mineral Fibre (SMF) Counting' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office, 1051 Taylors Rd, Plumpton, Victoria 3335

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Airborne Asbestos Monitoring Results

Job Location: Stage 15 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB191	South West Site Boundary, on temporary fencing	07:16 – 15:02	1200	0.0 / 100	< 0.01
LB3029	North East Site Boundary, Adjacent to Gravid Street, on pvc piping	07:17 – 15:01	1200	1.0 / 100	< 0.01
LB1037	North West Site Boundary, Adjacent to Gravid Street, on pvc piping	07:15 – 15:02	1200	0.0 / 100	< 0.01
LB2088	Eastern Site Boundary, on temporary fencing	07:18 – 15:01	1200	1.0 / 100	< 0.01
LB1243	South Boundary of Corner Block, cnr of Gellibrand st and Natura ave, on temp fencing	11:28 – 15:05	3000	0.0 / 100	< 0.01

01 March 2019

D0125:AXS

31009.002 AR 01032019

Page 1 of 2

Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.002
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	01 March 2019	Sampled By:	Andrew Sacuik & Michael Langmaid

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – Asbestos and Synthetic Mineral Fibre (SMF) Counting' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office , 1051 Taylors Rd, Plumpton, Victoria 3335

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Corporate Site No. 17366 Melbourne Site No. 19121

Accredited for compliance with ISO/IEC 17025 - Testing

Airborne Asbestos Monitoring Results

Job Location: Stage 15 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB1036	South West Site Boundary, Adjacent to Gellibrand Street, on star picket	07:00 – 12:31	1500	0.5 / 100	< 0.01
LB1243	South East Site Boundary, Adjacent to Gellibrand Street, on temporary fencing	07:01 – 12:33	1500	1.0 / 100	< 0.01
LB3029	North West Site Boundary, Adjacent to Gravid Street, on PVC piping	07:03 – 12:35	1500	1.0 / 100	< 0.01
LB191	North East Site Boundary, Adjacent to Gravid Street, on temporary fencing	07:04 – 12:39	1500	0.0 / 100	< 0.01

28 February 2019

D0125:AXS

31009.001 AR 28022019

Page 1 of 2

Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.001
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	28 February 2019	Sampled By:	Andrew Sacuik & Michael Langmaid

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Ground Floor, 5 Burwood Rd, Hawthorn, Victoria 3122

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Corporate Site No. 17366 Melbourne Site No. 19121

Accredited for compliance with ISO/IEC 17025 - Testing

Airborne Asbestos Monitoring Results

Job Location: Stage 15 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB1037	South West Site Boundary, Adjacent to Gellibrand Street, on star picket	09:00 – 12:02	2000	0.0 / 100	< 0.01
LB2088	South East Site Boundary, Adjacent to Gellibrand Street, on temporary fencing	09:01 – 12:03	2000	0.5 / 100	< 0.01
LB1497	North West Site Boundary, Adjacent to Gravid Street, on star picket	09:04 – 12:04	2000	0.0 / 100	< 0.01
LB3029	North East Site Boundary, Adjacent to Gravid Street, on temporary fencing	09:06 – 12:05	2000	1.0 / 100	< 0.01

10 April 2019

D0125:AXS

31009.013 AR 10042019

Page 1 of 2

Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.013 AR
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	10 April 2019	Sampled By:	Andrew Saciuk

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office, Riverwalk Development Farm Rd, Werribee, Victoria 3030

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Andrew Saciuk

Approved Asbestos Fibre Counter



Oscar Fairweather

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Airborne Asbestos Monitoring Results

Job Location: Stage 15-18 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB1022	Stage 18, Lot 1810, south-west of Work Area - on temporary fencing	07:02 – 16:15	1000	0.0 / 100	< 0.01
LB1172	Stage 18, Lot 1809, north-east of Work Area - on temporary fencing	07:03 – 16:17	1000	5.5 / 100	< 0.01
LB1260	Stage 18, In think civil CAT excavator – in cabin with operator	07:59 – 16:23	1000	2.5 / 100	< 0.01

9 April 2019

D0125:KMS

31009.012 AR 09042019

Page 1 of 2

Airborne Asbestos Fibre Monitoring Report

Attention to:	Nimai Hawkins	Report No.:	31009.012 AR
Client Name:	Development Victoria	Sampling Type:	Control
Client Address:	Level 9, 8 Exhibition Street, Melbourne, Victoria	Site Address:	Stages 15 – 18 at the Riverwalk Development, Farm Road, Werribee, Victoria
Date Sampled:	9 April 2019	Sampled By:	Kelly Smith

Laboratory and Testing Information

Sampling Type: Control Monitoring, which is monitoring using static or positional samples to measure the level of a hazardous substance in an area. Control monitoring is designed to assist in assessing the effectiveness of implemented control measures. Control monitoring is not representative of actual occupational exposures and should not be used for that purpose.

Test Method: Prensa Test Method 'PRLAB2003 – *Asbestos and Synthetic Mineral Fibre (SMF) Counting*' with reference to the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*. 2nd Edition [NOHSC: 3003 (2005)] and AS ISO/IEC 17025 – 2005, Australian Standard, *General requirements for the competence of testing and calibration laboratories*.

Laboratory Address: Enviropacific site office, Riverwalk Development Farm Rd, Werribee, Victoria 3030

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Kelly Smith

Approved Asbestos Fibre Counter



Oscar Fairweather

Prensa Signatory



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Airborne Asbestos Monitoring Results

Job Location: Stage 15-18 of the Riverwalk Development, Farm Road, Werribee, Victoria

Filter No.	Sample Location	Sample Period (start – finish)	Avg. Flow (mL/min)	Fibres / Fields	Fibres per mL of air
LB1804	Stage 15, Lot 1502, south-west of Work Area - on electrical box	07:38 – 11:48	2500	0.0 / 100	< 0.01
LE062	Stage 16, adjacent Lot 1601, north-east of Work Area - on pipe	13:49 – 15:01	1500	0.0 / 100	< 0.01
LE010	Stage 16, adjacent Lot 1615, west of Work Area – on picket	15:20 – 16:26	1500	0.0 / 100	< 0.01
LE001	Stage 16, adjacent Lot 1615, east of Work Area – on picket	16:26 – 17:36	1500	0.0 / 100	< 0.01

19 December 2018

D0125:DXF
29856-001 BSA 14122018.xlsm

Linden Quin
Development Victoria
Level 9, 8 Exhibition Street
Melbourne VIC 3000

Dear Linden,

Asbestos Bulk Sample Analysis Report Riverwalk Residential Development, Farm Road, Werribee VIC 3030

Please find attached the asbestos bulk sample analysis results of the 4 samples collected by Dane Fankhauser of Prensa Pty Ltd for Riverwalk Residential Development, Farm Road, Werribee VIC 3030 on 14 December 2018 and received at the Prensa Pty Ltd laboratory (GF, 5 Burwood Rd, Hawthorn VIC 3122) on 14 December 2018. The samples were analysed on 19 December 2018 and the results are presented on the following page(s).

Prensa qualitatively analyses bulk samples for asbestos using polarising light microscopy and dispersion staining techniques in accordance with Prensa Test Method PRLAB2002 Asbestos Identification, and in accordance with Australian Standard (AS) 4964 – 2004, *Method for the qualitative identification of asbestos in bulk samples*.

If you require further information please contact the Prensa office on (03) 9508 0100.

Regards,



Hazirah Soffiee
Approved Asbestos Identifier and Signatory



Accredited for compliance with ISO/IEC 17025 - Testing. Corporate Site Number 19121. This document shall not be reproduced except in full. Sampling is not covered by the scope of the NATA accreditation.

Asbestos Bulk Sample Analysis Report

Riverwalk Residential Development, Farm Road, Werribee VIC 3030

Sample No	Sample Location / Description / Size	Result
29856 - 001 - 001	Stage 15, Lot 1514, Test Pit 44, fibre cement sheet debris fragment Grey fibrous cement material 20 x 15 x 5 mm	<i>Chrysotile (white asbestos) detected</i>
29856 - 001 - 002	Stage 16, Lot 1630, Test Pit 16, fibre cement sheet debris fragment Grey fibrous cement material 35 x 20 x 5 mm	<i>Chrysotile (white asbestos) detected</i>
29856 - 001 - 003	Stage 17, Lot 1706. Test Pit 14, fibre cement sheet debris fragment Grey fibrous cement material 50 x 40 x 5 mm	<i>Chrysotile (white asbestos) detected</i>
29856 - 001 - 004	Stage 18, Lot 1819, soil surface, fibre cement sheet debris fragment Grey fibrous cement material 45 x 40 x 5 mm	<i>Chrysotile (white asbestos) detected</i>

Only the samples submitted for analysis have been considered in presenting these results.



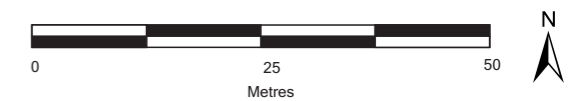
Client:
Development Victoria

Project:
Riverwalk Residential Stage 15-18

Address:
Farm road, Werribee, Victoria

Drawing Title:
Stage 18 Site Plan

Job Number: **31009** Client Number: **D0125**



Legend




-  Test Pit Location - No ACM Identified
-  Test Pit Location - ACM Identified
-  ACM Debris - Surface

Image Source: Near Map
Viewed: 14 December 2018

Drawn by: DXF	Date: 14/12/2018
Checked by: MJN	Date: 14/12/2018
File Name: Stage 18 Sampling Plan	Revision: A
Figure No: 4	