

Hazardous materials audit

Blayney Multi Purpose Service, 3 Osman Street, Blayney NSW 2799



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1. Background

Redevelopment of the Blayney MPS is proposed in line with current Clinical Services Plan. The redevelopment will occur on the existing site. The redevelopment works will include disturbance of building materials. A hazardous materials audit of the buildings is required to determine the presence of hazardous materials including asbestos, lead paint, Polychlorinated biphenyl capacitor (PCBs), synthetic mineral fibres (SMF), ozone depleting substances (ODS) and flammable or combustible materials to enable implementation of control measures during redevelopment works.

Asbestos is a natural fibrous silicate mineral used in building materials between 1940 and 1988. Common forms are chrysotile (white asbestos), amosite (brown or grey asbestos) and crocidolite (blue asbestos). In buildings material it is commonly associated in a matrix with cement (asbestos cement sheeting). Asbestos fibres can cause respiratory diseases after inhalation. Management is aimed at preventing airborne fibres.

Lead based paint was commonly manufactured and used until late 1960's containing levels up to 50%. From 1970's all manufactured industrial paints contained less than 1% lead until 1997 where all paint must contain less than 0.1% lead. Lead is toxic to human health and can cause lead poisoning after repeated inhalation or ingestion.

Capacitors containing PCBs were installed in various types of equipment including fluorescent light fittings during the 1950's, 60's and 70's. PCBs range in appearance from colourless, oily liquids to more viscous and increasingly darker liquids to yellow then black resins. PCBs are toxic, persist in the environment and animals, bioaccumulate through the food chain and pose a risk of causing diverse effects to human health and the environment.

SMF is the name given to describe a number of non-crystalline fibrous materials including glass fibres, mineral wool and ceramic fibre.

ODS are chemicals that destroy the earth's ozone layer and include refrigerants, solvents and propellants.

Other hazardous materials including flammable or combustible materials and radioactive sources may be present in the building which may cause potential hazards if disturbed.

2. Scope

Envirowest Consulting Pty Ltd was commissioned by APP Corporation Pty Ltd to undertake a hazardous materials audit of *Blayney Multi Purpose Service*, 3 Osman Street, Blayney NSW.

3. Site location and description

The site is *Blayney Multi Purpose Service* and is located at 3 Osman Street, Blayney NSW. The buildings have been constructed from the 1950's with potential for hazardous materials to be present in the buildings.

4. Investigation

A visual and destructive inspection of accessible areas of the buildings was undertaken. Inaccessible areas of the building included some treatment and residential rooms which were occupied at the time of the inspection, ceiling spaces, subfloor spaces, skylights and areas under existing surfaces.

The inspection was undertaken on the 27 October 2022 by Luke Niven and Greg Madafiglio of Envirowest Consulting Pty Ltd.

4.1 Asbestos inspection

At each location where asbestos containing material was suspected an assessment was made of friability, accessibility and condition. The assessment was used to assign risk rating and recommend action. Where possible sampling was undertaken for identification.

Professional judgment was used to identify samples that potentially contained asbestos. Investigations did not evaluate material that may be hidden by building materials and surface material including stockpile material, soil, vegetation and pavements.

The assessment was undertaken using the following criteria:

4.1.1 Friability

The asbestos material was classified as friable or non-friable. Friable asbestos can be crushed by hand and include loose insulation. Asbestos damaged by fire or hail is friable asbestos. Materials that cannot be crushed by hand are non-friable and includes asbestos cement sheeting.

4.1.2 Accessibility

The accessibility of asbestos products was classified as high, medium or low. The accessibility rating was assigned based on the potential for disturbance from activity, traffic flow and surface coating on material.

4.1.3 Condition

The condition of the material is assigned as intact, damaged or poor. Damaged material is identified by broken or cut surfaces exposing fibres in the material.

4.2 Lead paint inspection

A visual inspection for painted surfaces for lead was conducted. The age and presence of paint on the surfaces was identified. Some representative painted surfaces were scrapped to enable all paint layers to be revealed. Some paint layers were swabbed with *Lead Check* field testing kit to confirm the presence of lead in the paint. The presence of lead is confirmed by a colorimetric reaction indicating a level of lead greater than 0.2% w/w. The amount and sampling program assumed similar paint was used throughout the building.

4.3 Polychlorinated biphenyls (PCB)

A visual inspection of light fittings in the building was undertaken. An assessment of potential PCB content was made based on available information including capacitor type, age, appearance, shape, material of construction and/or weight.

4.4 Synthetic mineral fibres (SMF)

Synthetic mineral fibres were identified by visual assessment. Wall cavities and subfloor spaces were not inspected.

4.5 Ozone depleting substances (ODS)

ODS were identified by assessment of equipment which may contain ODS and cross referencing of those substances listed on *Inventory of Trade Names of Chemical Products Containing Ozone Depleting Substances and Their Alternatives* (UNEP Technology, Industry and Economics 2001).

4.5 Other hazards

Other hazards including flammable and combustible materials and radioactive sources were identified by visual assessment.

5. Assessment criteria

5.1 Asbestos

Friability, accessibility and condition are assigned a rating based on risk to human health (Table 1).

Table 1. Assessment criteria

Friability		Accessibility		Condition	
Description	Rating	Description	Rating	Description	Rating
Bonded	1	Low	1	Intact	1
Friable	2	Medium	2	Damaged	2
		High	3	Poor	3

The assessment of friability, accessibility and condition are used to assign a risk to human health and determine priority of action required (Table 2). The friability, accessibility and condition ratings are multiplied together to give a risk rating and action priority.

Table 2. Assessment risk rating

Rating	Description	Risk	Action priority
1	Very low risk to persons nearby	The material will be concealed and not accessible and bonded in good condition	Managed by routine procedures (P1)
2	Low risk to persons nearby	The material will be concealed and not accessible and bonded in good condition	Managed by routine procedures (P2)
3 to 4	Low to moderate risk to persons nearby	The material will be in relatively good condition and have medium accessibility, or bonded but highly accessible or in poor condition but not accessible	Medium priority action required (P3)
5 to 8	Moderate to high risk to persons nearby	The material will be highly accessible bonded but damaged	Management intervention required (P4)
9 to 18	High to extreme risk to persons nearby, an extreme risk to human health	The material will be highly accessible and friable	Immediate action required (P5)

5.2 Lead paint

The AS4361.2 (2017) classification of lead paint is material with a lead level of greater than 0.1%. SafeWork NSW classify lead paint work as activities that have potential to result in elevated blood levels of removalists. The lead check swabs provide a level of detection if used correctly of 0.1-0.2% and considered suitable for determining if additional testing is required to be undertaken.

5.3 Polychlorinated biphenyls (PCB)

A visual inspection of light fittings in the buildings was undertaken. Light fittings were cross referenced against the list of PCB containing and PCB free equipment listed in *Identification of PCB-Containing Capacitors: An Information Booklet for Electricians and Electrical Contractors* (ANZECC 1997).

5.4 Synthetic mineral fibres

SMF is classified into three main groups; glasswool, rockwool and refractory ceramic fibres (RCF). Glasswool and rockwool were classified in 2001 as 'Category 3 – not classifiable as carcinogenic to humans'. RCF remains classified as *Category 2B-possibly carcinogenic to humans* (SafeWork NSW 2015).

5.5 Ozone depleting substances

ODS were assessed on a presence/absence basis.

5.6 Other hazards

Other hazards including flammable and combustible materials and radioactive sources were assessed on a presence/absence basis.

6. Results

The *Blayney MPS* was partially occupied at the time of inspection. Friable asbestos, non-friable asbestos, lead, SMF and flammable and combustible materials and radioactive sources were identified throughout the building. The hazardous materials were in good to damaged condition with low to moderate accessibility and are considered a very low to high health risk.

The hazardous materials register is presented in Appendix 1.

6.1 Asbestos

Non-friable asbestos was identified throughout *Blayney MPS* in Buildings 1 and 3 internally and externally as cement sheeting and bituminous resin board (Table 3). The asbestos materials were in a good to damaged condition and a very low to low risk.

Friable asbestos was identified throughout Building 3, emergency generator room as gaskets (Table 3). The asbestos materials were in good condition and pose a low health risk.

6.2 Lead

Lead paint was identified in Building 3, emergency generator room as white paint on the walls (Table 3). The material was in a fair condition.

6.3 Polychlorinated biphenyls (PCB)

No PCBs were identified in the building.

6.4 Synthetic mineral fibres (SMF)

Synthetic mineral fibres were identified in Buildings 1, 3, 4 and 6 as insulation in the ceiling cavities, hot water systems and heaters and pipes (Table 3). The material was in a good condition.

6.5 Ozone depleting substances (ODS)

No ODSs were identified in the building.

6.6 Other hazards

Flammable and combustible materials were identified in Building 1 X-ray room, chemical storeroom, oxygen storeroom and throughout the building as oxygen tanks and hand sanitiser. Building 4 contained 30L of diesel and 30L of petrol stored within a flammable liquid cabinet (Table 3). The material was in good condition. Radioactive sources were suspected to be located within the X-ray room but were not identified at the time of the inspection.

Table 3. Location of hazardous materials

Register ID number	Building	Location	Hazardous material	Risk
2	Building 1	External, soffit ceiling, breezeway	Asbestos	Low
3	Building 1	External, part south eastern eaves	Asbestos	Low
10	Building 3	External, part eaves	Asbestos	Very low
11	Building 3, emergency generator room	Internal, Rolls Royce generator, exhaust, gasket below coil	Asbestos	Low
12	Building 3, emergency generator room	Internal, Rolls Royce generator, exhaust, gasket above coil	Asbestos	Low
15	Building 3, emergency generator room	Internal, hot water pipes above gas heater, vertical gasket	Asbestos	Low
16	Building 3, emergency generator room	Internal, hot water pipes above gas heater, horizontal gasket	Asbestos	Low
17	Building 3, emergency generator room	Internal, redundant pipe valve, gasket	Asbestos	Low
18	Building 3, emergency generator room	Internal, old heater, hot water gasket	Asbestos	Low
19	Building 3, emergency generator room	Internal, western wall, meter board	Asbestos	Low
29	Building 3, emergency generator room	Internal, walls	Lead	Moderate
30	Building 1	External, hot water system	Synthetic mineral fibres	Low
31	Building 1	External, hot water system, pipework	Synthetic mineral fibres	Low
32	Building 1	Internal, western wing, ceiling cavity	Synthetic mineral fibres	Low
29	Building 1	Internal, eastern wing, ceiling cavity	Synthetic mineral fibres	Low
30	Building 1	Internal, kitchen, hot water system	Synthetic mineral fibres	Low
33	Building 1	Internal, kitchen, hot water heaters	Synthetic mineral fibres	Low
34	Building 3	Internal, emergency generator room, pipework	Synthetic mineral fibres	Low
35	Building 3	Internal, emergency generator room, gas heaters	Synthetic mineral fibres	Low
36	Building 3	Internal, emergency generator room, electric heater	Synthetic mineral fibres	Low
37	Building 3	Internal, emergency generator room, old electric heater	Synthetic mineral fibres	Low
38	Building 3	Internal, workshop, ceiling lining	Synthetic mineral fibres	Low
39	Building 4	Internal, garage, ceiling lining	Synthetic mineral fibres	Low
40	Building 6	Internal, storage shed, ceiling lining	Synthetic mineral fibres	Low
41	Building 1	Internal, X-ray room, oxygen tank	Flammable/combustible materials	Low
42	Building 1	Internal, chemical storeroom, hand sanitizer	Flammable/combustible materials	Low
43	Building 1	Internal, throughout all areas, hand sanitizer	Flammable/combustible materials	Low
44	Building 1	Internal, oxygen storeroom, oxygen bottles	Flammable/combustible materials	Low
45	Building 1	Internal, throughout all areas, oxygen bottles	Flammable/combustible materials	Low
46	Building 4	Internal, flammable liquid cabinet, diesel	Flammable/combustible materials	Low
47	Building 4	Internal, flammable liquid cabinet, petrol	Flammable/combustible materials	Low
48	Building 1	Internal, X-ray room, radioactive source	Radiation	Low

7. Conclusions

Asbestos containing materials were identified in the buildings. Non-friable asbestos was identified in Buildings 1 externally as cement sheeting and Building 3 internally and externally as cement sheeting

and bituminous resin board. The asbestos materials were in a good to damaged condition with low accessibility and pose a very low to low health risk.

Friable asbestos was identified throughout Building 3, emergency generator room as gaskets (Table 3). The asbestos materials were in good condition with low accessibility and pose a low health risk.

Lead paint was identified in Building 3, emergency generator room as white paint on the walls. The material was in a fair condition with medium accessibility and is a moderate health risk.

Synthetic mineral fibres were identified in Buildings 1, 3, 4 and 6 as insulation in the ceiling cavities, hot water systems and heaters and pipes. The material was in a good condition with low accessibility and is considered a low health risk

Flammable and combustible materials were identified in Building 1 X-ray room, chemical storeroom, oxygen storeroom and throughout the building as oxygen tanks and hand sanitiser. Building 4 contained diesel and petrol stored within a flammable liquid cabinet. The material was in good condition with low accessibility and is considered a low health risk. Radioactive sources were suspected to be located within the X-ray room but were not identified at the time of the inspection. The materials are expected to be in a good condition with low accessibility.

8. Recommendations

Recommendations for areas containing hazardous materials are summarised below. Additional recommendations are presented in the Hazardous materials register (Appendix 1).

Friable asbestos was identified in Building 3 emergency generator room. The material should be encapsulation or sealed in PVA.

Non-friable very low to low risk asbestos containing materials should be managed by:

- Place warning labels on asbestos material
- Mechanical damage should be avoided
- Remove for renovations
- Repair damaged material

Disturbance or removal of non-friable ACM should be undertaken by a contractor with a Class A or B asbestos removal licence. Disturbance or removal of friable ACM should be undertaken by a contractor with a Class A asbestos removal licence. Works should be undertaken in accordance with SafeWork NSW guidelines including:

Safe Work Australia (2019) *How to manage and control asbestos in the workplace Code of Practice*

Safe Work Australia (2019) *How to safely remove asbestos Code of Practice*

Lead paint should be managed in accordance with AS4361.1 (2017) with the appropriate PPE.







Handling, removal and disposal of SMF should be undertaken in accordance with SafeWork Guidelines with the appropriate PPE.




Handling, removal and disposal of flammable and combustible materials should be undertaken in accordance with SafeWork Guidelines with the appropriate PPE.


Radioactive sources need to be managed in accordance with EPA regulations.


Appendices


Appendix 1a. Hazardous materials register (Asbestos)

Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	1	Building	Building 1
Location	External, eaves	Material description	Cement sheeting
		Extent (m²)	
		Identification	Visual <input type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Presumed <input type="checkbox"/> (15064-12)
		Asbestos	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Possible <input type="checkbox"/>
		Type	Chrysotile <input type="checkbox"/> Amosite <input type="checkbox"/> Crocidolite <input type="checkbox"/>
		Classification	Non-friable (1) <input type="checkbox"/> Friable (2) <input type="checkbox"/>
		Condition:	Intact (1) <input type="checkbox"/> Damaged (2) <input type="checkbox"/> Poor (3) <input type="checkbox"/>
		Accessibility:	Low (1) <input type="checkbox"/> Medium (2) <input type="checkbox"/> High (3) <input type="checkbox"/>
		Risk rating:	- 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high
		Recommendations:	
		Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>
		Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>
		Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>
		Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>
		Comments	
Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	2	Building	Building 1
Location	External, part southern eaves	Material description	Cement sheeting
		Extent (m²)	15
		Identification	Visual <input checked="" type="checkbox"/> Laboratory <input type="checkbox"/> Presumed <input checked="" type="checkbox"/>
		Asbestos	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Possible <input type="checkbox"/>
		Type	Chrysotile <input type="checkbox"/> Amosite <input type="checkbox"/> Crocidolite <input type="checkbox"/>
		Classification	Non-friable (1) <input checked="" type="checkbox"/> Friable (2) <input type="checkbox"/>
		Condition:	Intact (1) <input checked="" type="checkbox"/> Damaged (2) <input type="checkbox"/> Poor (3) <input type="checkbox"/>
		Accessibility:	Low (1) <input checked="" type="checkbox"/> Medium (2) <input type="checkbox"/> High (3) <input type="checkbox"/>
		Risk rating:	1 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high
		Recommendations:	
		Warning labels <input checked="" type="checkbox"/>	Remove/replace <input type="checkbox"/>
		Monitor condition yearly <input checked="" type="checkbox"/>	Avoid mechanical damage <input checked="" type="checkbox"/>
		Repair required <input type="checkbox"/>	Remove for renovations <input checked="" type="checkbox"/>
		Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>
		Comments	
Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	3	Building	Building 1
Location	External, soffit ceiling breezeway	Material description	Cement sheeting
		Extent (m²)	18
		Identification	Visual <input type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Presumed <input type="checkbox"/> (15064-10)
		Asbestos	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Possible <input type="checkbox"/>
		Type	Chrysotile <input checked="" type="checkbox"/> Amosite <input type="checkbox"/> Crocidolite <input type="checkbox"/>
		Classification	Non-friable (1) <input checked="" type="checkbox"/> Friable (2) <input type="checkbox"/>
		Condition:	Intact (1) <input type="checkbox"/> Damaged (2) <input checked="" type="checkbox"/> Poor (3) <input type="checkbox"/>
		Accessibility:	Low (1) <input checked="" type="checkbox"/> Medium (2) <input type="checkbox"/> High (3) <input type="checkbox"/>
		Risk rating:	2 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high
		Recommendations:	
		Warning labels <input checked="" type="checkbox"/>	Remove/replace <input type="checkbox"/>
		Monitor condition yearly <input checked="" type="checkbox"/>	Avoid mechanical damage <input checked="" type="checkbox"/>
		Repair required <input type="checkbox"/>	Remove for renovations <input checked="" type="checkbox"/>
		Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>
		Comments	Breezeway between building 1 and building 3


Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	4	Building	Building 1
Location	External, southern entrance, ceiling/eaves	Material description	Cement sheeting
		Extent (m²)	50
		Identification Visual <input type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Presumed <input type="checkbox"/> (15064-11) Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Possible <input type="checkbox"/> Type Chrysotile <input type="checkbox"/> Amosite <input type="checkbox"/> Crocidolite <input type="checkbox"/> Classification Non-friable (1) <input type="checkbox"/> Friable (2) <input type="checkbox"/> Condition: Intact (1) <input type="checkbox"/> Damaged (2) <input type="checkbox"/> Poor (3) <input type="checkbox"/> Accessibility: Low (1) <input type="checkbox"/> Medium (2) <input type="checkbox"/> High (3) <input type="checkbox"/> Risk rating: - 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high Recommendations: Warning labels <input type="checkbox"/> Remove/replace <input type="checkbox"/> Monitor condition yearly <input type="checkbox"/> Avoid mechanical damage <input type="checkbox"/> Repair required <input type="checkbox"/> Remove for renovations <input type="checkbox"/> Restrict access <input type="checkbox"/> Remove for demolition <input type="checkbox"/> Comments	
Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	5	Building	Building 1
Location	External, eastern wing, eaves	Material description	Cement sheeting
		Extent (m²)	40
		Identification Visual <input type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Presumed <input type="checkbox"/> (15064-15) Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Possible <input type="checkbox"/> Type Chrysotile <input type="checkbox"/> Amosite <input type="checkbox"/> Crocidolite <input type="checkbox"/> Classification Non-friable (1) <input type="checkbox"/> Friable (2) <input type="checkbox"/> Condition: Intact (1) <input type="checkbox"/> Damaged (2) <input type="checkbox"/> Poor (3) <input type="checkbox"/> Accessibility: Low (1) <input type="checkbox"/> Medium (2) <input type="checkbox"/> High (3) <input type="checkbox"/> Risk rating: - 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high Recommendations: Warning labels <input type="checkbox"/> Remove/replace <input type="checkbox"/> Monitor condition yearly <input type="checkbox"/> Avoid mechanical damage <input type="checkbox"/> Repair required <input type="checkbox"/> Remove for renovations <input type="checkbox"/> Restrict access <input type="checkbox"/> Remove for demolition <input type="checkbox"/> Comments	
Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	6	Building	Building 1
Location	External, eastern wing, eaves, inside below gutter	Material description	Cement sheeting
		Extent (m²)	40
		Identification Visual <input type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Presumed <input type="checkbox"/> (15064-16) Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Possible <input type="checkbox"/> Type Chrysotile <input type="checkbox"/> Amosite <input type="checkbox"/> Crocidolite <input type="checkbox"/> Classification Non-friable (1) <input type="checkbox"/> Friable (2) <input type="checkbox"/> Condition: Intact (1) <input type="checkbox"/> Damaged (2) <input type="checkbox"/> Poor (3) <input type="checkbox"/> Accessibility: Low (1) <input type="checkbox"/> Medium (2) <input type="checkbox"/> High (3) <input type="checkbox"/> Risk rating: - 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high Recommendations: Warning labels <input type="checkbox"/> Remove/replace <input type="checkbox"/> Monitor condition yearly <input type="checkbox"/> Avoid mechanical damage <input type="checkbox"/> Repair required <input type="checkbox"/> Remove for renovations <input type="checkbox"/> Restrict access <input type="checkbox"/> Remove for demolition <input type="checkbox"/> Comments	

Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW	
ID	7	Building	Building 1	
Location	Internal, hallway toilet, walls	Material description	Cement sheeting	
		Extent (m²)	20	
	Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/> (15064-13)	Presumed <input type="checkbox"/>
	Asbestos	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Possible <input type="checkbox"/>
	Type	Chrysotile <input type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
	Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input type="checkbox"/>	
	Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input type="checkbox"/>	Poor (3) <input type="checkbox"/>
	Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input type="checkbox"/>	High (3) <input type="checkbox"/>
	Risk rating:	- 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high		
	Recommendations:			
	Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>		
	Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>		
Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>			
Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
Comments				

Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW	
ID	8	Building	Building 1	
Location	Internal, eastern hallway, floor	Material description	Vinyl tiles	
		Extent (m²)	50	
	Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/> (15064-14)	Presumed <input type="checkbox"/>
	Asbestos	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Possible <input type="checkbox"/>
	Type	Chrysotile <input type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
	Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input type="checkbox"/>	
	Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input type="checkbox"/>	Poor (3) <input type="checkbox"/>
	Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input type="checkbox"/>	High (3) <input type="checkbox"/>
	Risk rating:	- 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high		
	Recommendations:			
	Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>		
	Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>		
Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>			
Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
Comments		Below carpet		


Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW	
ID	9	Building	Building 1	
Location	Internal, eastern wing, manhole cover	Material description	Cement sheeting	
		Extent (m²)	<1	
	Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/> (15064-17)	Presumed <input type="checkbox"/>
	Asbestos	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Possible <input type="checkbox"/>
	Type	Chrysotile <input type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
	Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input type="checkbox"/>	
	Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input type="checkbox"/>	Poor (3) <input type="checkbox"/>
	Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input type="checkbox"/>	High (3) <input type="checkbox"/>
	Risk rating:	- 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high		
	Recommendations:			
	Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>		
	Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>		
Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>			
Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
Comments				

Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	10	Building	Building 3
Location	External, eaves	Material description	Cement sheeting
		Extent (m²)	15




Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/>	Presumed <input type="checkbox"/>
		(15064-9)	
Asbestos	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Possible <input type="checkbox"/>
Type	Chrysotile <input checked="" type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
Classification	Non-friable (1) <input checked="" type="checkbox"/>	Friable (2) <input type="checkbox"/>	
Condition:	Intact (1) <input checked="" type="checkbox"/>	Damaged (2) <input type="checkbox"/>	Poor (3) <input type="checkbox"/>
Accessibility:	Low (1) <input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/>	High (3) <input type="checkbox"/>
Risk rating:	1	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high	
Recommendations:			
Warning labels <input checked="" type="checkbox"/>		Remove/replace <input type="checkbox"/>	
Monitor condition yearly <input checked="" type="checkbox"/>		Avoid mechanical damage <input checked="" type="checkbox"/>	
Repair required <input type="checkbox"/>		Remove for renovations <input checked="" type="checkbox"/>	
Restrict access <input type="checkbox"/>		Remove for demolition <input type="checkbox"/>	
Comments			

Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	11	Building	Building 3, emergency generator room
Location	Internal, Rolls Royce generator, exhaust, gasket below coil	Material description	Fibrous gasket
		Extent (m²)	<1




Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/>	Presumed <input type="checkbox"/>
		(15064-1)	
Asbestos	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Possible <input type="checkbox"/>
Type	Chrysotile <input checked="" type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input checked="" type="checkbox"/>	
Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input checked="" type="checkbox"/>	Poor (3) <input type="checkbox"/>
Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/>	High (3) <input type="checkbox"/>
Risk rating:	8	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high	
Recommendations:			
Warning labels <input checked="" type="checkbox"/>		Remove/replace <input type="checkbox"/>	
Monitor condition yearly <input checked="" type="checkbox"/>		Avoid mechanical damage <input checked="" type="checkbox"/>	
Repair required <input type="checkbox"/>		Remove for renovations <input checked="" type="checkbox"/>	
Restrict access <input type="checkbox"/>		Remove for demolition <input type="checkbox"/>	
Comments			

Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	12	Building	Building 3, emergency generator room
Location	Internal, Rolls Royce generator, exhaust, gasket above coil	Material description	Fibrous gasket
		Extent (m²)	<1




Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/>	Presumed <input type="checkbox"/>
		(15064-2)	
Asbestos	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Possible <input type="checkbox"/>
Type	Chrysotile <input checked="" type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input checked="" type="checkbox"/>	
Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input checked="" type="checkbox"/>	Poor (3) <input type="checkbox"/>
Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/>	High (3) <input type="checkbox"/>
Risk rating:	8	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high	
Recommendations:			
Warning labels <input checked="" type="checkbox"/>		Remove/replace <input type="checkbox"/>	
Monitor condition yearly <input checked="" type="checkbox"/>		Avoid mechanical damage <input checked="" type="checkbox"/>	
Repair required <input type="checkbox"/>		Remove for renovations <input checked="" type="checkbox"/>	
Restrict access <input type="checkbox"/>		Remove for demolition <input type="checkbox"/>	
Comments			


Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	13	Building	Building 3, emergency generator room
Location	Internal, hot water pump tray, black mastic around edge	Material description	Bituminous mastic Extent (m²) <1

	Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/> (15064-3)	Presumed <input type="checkbox"/>
	Asbestos	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Possible <input type="checkbox"/>
	Type	Chrysotile <input type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
	Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input type="checkbox"/>	
	Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input type="checkbox"/>	Poor (3) <input type="checkbox"/>
	Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input type="checkbox"/>	High (3) <input type="checkbox"/>
	Risk rating:	- 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high		
	Recommendations:			
	Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>		
	Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>		
Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>			
Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
Comments				


Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	14	Building	Building 3, emergency generator room
Location	Internal, hot water pump gasket	Material description	Fibrous gasket (black) Extent (m²) <1

	Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/> (15064-4)	Presumed <input type="checkbox"/>
	Asbestos	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Possible <input type="checkbox"/>
	Type	Chrysotile <input type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
	Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input type="checkbox"/>	
	Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input type="checkbox"/>	Poor (3) <input type="checkbox"/>
	Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input type="checkbox"/>	High (3) <input type="checkbox"/>
	Risk rating:	- 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high		
	Recommendations:			
	Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>		
	Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>		
Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>			
Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
Comments				


Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	15	Building	Building 3, emergency generator room
Location	Internal, hot water pipes above gas heater, vertical gasket	Material description	Fibrous gasket (red) Extent (m²) <1

	Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/> (15064-5)	Presumed <input type="checkbox"/>
	Asbestos	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Possible <input type="checkbox"/>
	Type	Chrysotile <input checked="" type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
	Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input checked="" type="checkbox"/>	
	Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input checked="" type="checkbox"/>	Poor (3) <input type="checkbox"/>
	Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/>	High (3) <input type="checkbox"/>
	Risk rating:	8 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high		
	Recommendations:			
	Warning labels <input checked="" type="checkbox"/>	Remove/replace <input type="checkbox"/>		
	Monitor condition yearly <input checked="" type="checkbox"/>	Avoid mechanical damage <input checked="" type="checkbox"/>		
Repair required <input type="checkbox"/>	Remove for renovations <input checked="" type="checkbox"/>			
Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
Comments				


Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	16	Building	Building 3, emergency generator room
Location	Internal, hot water pipes above gas heater, horizontal gasket	Material description	Fibrous gasket (red) Extent (m²) <1

	Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/> (15064-6)	Presumed <input type="checkbox"/>
	Asbestos	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Possible <input type="checkbox"/>
	Type	Chrysotile <input checked="" type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
	Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input checked="" type="checkbox"/>	
	Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input checked="" type="checkbox"/>	Poor (3) <input type="checkbox"/>
	Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/>	High (3) <input type="checkbox"/>
	Risk rating:	8	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high	
	Recommendations:			
	Warning labels <input checked="" type="checkbox"/>	Remove/replace <input type="checkbox"/>		
	Monitor condition yearly <input checked="" type="checkbox"/>	Avoid mechanical damage <input checked="" type="checkbox"/>		
Repair required <input type="checkbox"/>	Remove for renovations <input checked="" type="checkbox"/>			
Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
Comments				


Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	17	Building	Building 3, emergency generator room
Location	Internal, redundant pipe valve, gasket	Material description	Fibrous gasket Extent (m²) <1

	Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/> (15064-7)	Presumed <input type="checkbox"/>
	Asbestos	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Possible <input type="checkbox"/>
	Type	Chrysotile <input checked="" type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
	Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input checked="" type="checkbox"/>	
	Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input checked="" type="checkbox"/>	Poor (3) <input type="checkbox"/>
	Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/>	High (3) <input type="checkbox"/>
	Risk rating:	8	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high	
	Recommendations:			
	Warning labels <input checked="" type="checkbox"/>	Remove/replace <input type="checkbox"/>		
	Monitor condition yearly <input checked="" type="checkbox"/>	Avoid mechanical damage <input checked="" type="checkbox"/>		
Repair required <input type="checkbox"/>	Remove for renovations <input checked="" type="checkbox"/>			
Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
Comments				

Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW
ID	18	Building	Building 3, emergency generator room
Location	Internal, old heater, hot water gasket	Material description	Fibrous gasket Extent (m²) <1

	Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/> (15064-8)	Presumed <input type="checkbox"/>
	Asbestos	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Possible <input type="checkbox"/>
	Type	Chrysotile <input checked="" type="checkbox"/>	Amosite <input type="checkbox"/>	Crocidolite <input type="checkbox"/>
	Classification	Non-friable (1) <input type="checkbox"/>	Friable (2) <input checked="" type="checkbox"/>	
	Condition:	Intact (1) <input type="checkbox"/>	Damaged (2) <input checked="" type="checkbox"/>	Poor (3) <input type="checkbox"/>
	Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/>	High (3) <input type="checkbox"/>
	Risk rating:	8	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high	
	Recommendations:			
	Warning labels <input checked="" type="checkbox"/>	Remove/replace <input type="checkbox"/>		
	Monitor condition yearly <input checked="" type="checkbox"/>	Avoid mechanical damage <input checked="" type="checkbox"/>		
Repair required <input type="checkbox"/>	Remove for renovations <input checked="" type="checkbox"/>			
Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
Comments				

Job no	15064	Location	Blayney MPS, 3 Osman Street, Blayney NSW		
ID	19	Building	Building 3, emergency generator room		
Location	Internal, western wall, meter board	Material description	Bituminous resin board	Extent (m²)	1



Identification Visual ☒ Laboratory ☐ Presumed ☐

Asbestos Yes ☐ No ☐ Possible ☒

Type Chrysotile ☐ Amosite ☐ Crocidolite ☐

Classification Non-friable (1) ☒ Friable (2) ☐

Condition: Intact (1) ☒ Damaged (2) ☐ Poor (3) ☐

Accessibility: Low (1) ☐ Medium (2) ☒ High (3) ☐

Risk rating: 2 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high

Recommendations:

Warning labels ☒ Remove/replace ☐


Monitor condition yearly ☒ Avoid mechanical damage ☒


Repair required ☐ Remove for renovations ☒


Restrict access ☐ Remove for demolition ☐


Comments


Appendix 1b. Hazardous materials register (Lead)


Job no	15064	Address	Blayney MPS, 248 Summer Street, Orange		
ID	20	Building	Building 1		
Location	External, breezeway, eastern fascia	Material description	Brown paint	Extent (m²) 5	
		Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/> Field screening <input type="checkbox"/> (15034-103)	
		Lead	Yes (1) <input checked="" type="checkbox"/>	No (0) <input type="checkbox"/>	Possible (1) <input type="checkbox"/>
		Condition:	Sound (1) <input type="checkbox"/>	Fair (2) <input checked="" type="checkbox"/>	
			Poor (3) <input type="checkbox"/>	Very poor to extreme (4) <input type="checkbox"/>	
		Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/>	High (3) <input type="checkbox"/>
		Risk rating:	4	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high	
		Concentration:	0.022% w/w		
		Recommendations:			
		Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>		
		Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>		
		Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>		
		Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>		
		Comments	Positive results for field lead check swab test and laboratory test. Concentrations below SafeWork NSW 0.1% threshold.		

Job no	15064	Address	Blayney MPS, 248 Summer Street, Orange		
ID	21	Building	Building 1		
Location	External, breezeway, western fascia	Material description	Cream paint	Extent (m²) 5	
		Identification	Visual <input type="checkbox"/>	Laboratory <input type="checkbox"/> Field screening <input checked="" type="checkbox"/>	
		Lead	Yes (1) <input type="checkbox"/>	No (0) <input checked="" type="checkbox"/>	Possible (1) <input type="checkbox"/>
		Condition:	Sound (1) <input type="checkbox"/>	Fair (2) <input type="checkbox"/>	
			Poor (3) <input type="checkbox"/>	Very poor to extreme (4) <input type="checkbox"/>	
		Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input type="checkbox"/>	High (3) <input type="checkbox"/>
		Risk rating:	-	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high	
		Concentration:	-		
		Recommendations:			
		Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>		
		Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>		
		Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>		
		Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>		
		Comments	Negative results for field lead check swab test		


Job no	15064	Address	Blayney MPS, 248 Summer Street, Orange		
ID	22	Building	Building 1		
Location	External, soffit ceiling, breezeway	Material description	White paint	Extent (m²) 8	
		Identification	Visual <input type="checkbox"/>	Laboratory <input type="checkbox"/> Field screening <input checked="" type="checkbox"/>	
		Lead	Yes (1) <input type="checkbox"/>	No (0) <input checked="" type="checkbox"/>	Possible (1) <input type="checkbox"/>
		Condition:	Sound (1) <input type="checkbox"/>	Fair (2) <input type="checkbox"/>	
			Poor (3) <input type="checkbox"/>	Very poor to extreme (4) <input type="checkbox"/>	
		Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input type="checkbox"/>	High (3) <input type="checkbox"/>
		Risk rating:	-	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high	
		Concentration:	-		
		Recommendations:			
		Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>		
		Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>		
		Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>		
		Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>		
		Comments	Negative results for field lead check swab test		

Job no	15064	Address	Blayney MPS, 248 Summer Street, Orange			
ID	23	Building	Building 1			
Location	External, entry, handrails	Material description	Grey paint	Extent (m²)	2	
		Identification	Visual <input type="checkbox"/>	Laboratory <input type="checkbox"/>	Field screening <input checked="" type="checkbox"/>	
		Lead	Yes (1) <input type="checkbox"/>	No (0) <input checked="" type="checkbox"/>	Possible (1) <input type="checkbox"/>	
		Condition:	Sound (1) <input type="checkbox"/>	Fair (2) <input type="checkbox"/>		
			Poor (3) <input type="checkbox"/>	Very poor to extreme (4) <input type="checkbox"/>		
		Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input type="checkbox"/>	High (3) <input type="checkbox"/>	
		Risk rating:	-	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high		
		Concentration:	-			
		Recommendations:				
		Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>			
		Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>			
		Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>			
		Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
		Comments	Negative results for field lead check swab test			

Job no	15064	Address	Blayney MPS, 248 Summer Street, Orange			
ID	24	Building	Building 1, administration wing			
Location	External, panel above windows	Material description	Cream and yellow paint	Extent (m²)	20	
		Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/>	Field screening <input type="checkbox"/>	
			(15034-107)			
		Lead	Yes (1) <input checked="" type="checkbox"/>	No (0) <input type="checkbox"/>	Possible (1) <input type="checkbox"/>	
		Condition:	Sound (1) <input type="checkbox"/>	Fair (2) <input checked="" type="checkbox"/>		
			Poor (3) <input type="checkbox"/>	Very poor to extreme (4) <input type="checkbox"/>		
		Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/>	High (3) <input type="checkbox"/>	
		Risk rating:	4	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high		
Concentration:	0.054%					
		Recommendations:				
		Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>			
		Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>			
		Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>			
		Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
		Comments	Positive results for field lead check swab test and laboratory test. Concentrations below SafeWork NSW 0.1% threshold.			

Job no	15064	Address	Blayney MPS, 248 Summer Street, Orange			
ID	25	Building	Building 1, administration wing			
Location	External, eaves	Material description	Grey paint	Extent (m²)	30	
		Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/>	Field screening <input type="checkbox"/>	
			(15034-108)			
		Lead	Yes (1) <input checked="" type="checkbox"/>	No (0) <input type="checkbox"/>	Possible (1) <input type="checkbox"/>	
		Condition:	Sound (1) <input type="checkbox"/>	Fair (2) <input checked="" type="checkbox"/>		
			Poor (3) <input type="checkbox"/>	Very poor to extreme (4) <input type="checkbox"/>		
		Accessibility:	Low (1) <input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/>	High (3) <input type="checkbox"/>	
		Risk rating:	2	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high		
Concentration:	0.027% w/w					
		Recommendations:				
		Warning labels <input type="checkbox"/>	Remove/replace <input type="checkbox"/>			
		Monitor condition yearly <input type="checkbox"/>	Avoid mechanical damage <input type="checkbox"/>			
		Repair required <input type="checkbox"/>	Remove for renovations <input type="checkbox"/>			
		Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
		Comments	Positive results for field lead check swab test and laboratory test. Concentrations below SafeWork NSW 0.1% threshold.			

Job no	15064	Address	Blayney MPS, 248 Summer Street, Orange
ID	26	Building	Building 1, administration wing
Location	Internal, walls	Material description	Cream paint
		Extent (m²)	>200



Identification Visual ☐ Laboratory ☐ Field screening ☒

Lead Yes (1) ☐ No (0) ☒ Possible (1) ☐

Condition: Sound (1) ☐ Fair (2) ☐
Poor (3) ☐ Very poor to extreme (4) ☐

Accessibility: Low (1) ☐ Medium (2) ☐ High (3) ☐

Risk rating: - 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high

Concentration: -

Recommendations:

Warning labels ☐ Remove/replace ☐


Monitor condition yearly ☐ Avoid mechanical damage ☐

Repair required ☐ Remove for renovations ☐

Restrict access ☐ Remove for demolition ☐

Comments Negative results for field lead check swab test

Job no	15064	Address	Blayney MPS, 248 Summer Street, Orange
ID	27	Building	Building 1, administration wing
Location	Internal, skirting boards	Material description	White paint
		Extent (m²)	>200



Identification Visual ☐ Laboratory ☐ Field screening ☒

Lead Yes (1) ☐ No (0) ☒ Possible (1) ☐

Condition: Sound (1) ☐ Fair (2) ☐
Poor (3) ☐ Very poor to extreme (4) ☐

Accessibility: Low (1) ☐ Medium (2) ☐ High (3) ☐

Risk rating: - 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high

Concentration: -

Recommendations:

Warning labels ☐ Remove/replace ☐


Monitor condition yearly ☐ Avoid mechanical damage ☐

Repair required ☐ Remove for renovations ☐

Restrict access ☐ Remove for demolition ☐

Comments Negative results for field lead check swab test

Job no	15064	Address	Blayney MPS, 248 Summer Street, Orange
ID	28	Building	Building 3
Location	External, eaves	Material description	Cream paint
		Extent (m²)	20



Identification Visual ☐ Laboratory ☒ Field screening ☐
(15034-102)

Lead Yes (1) ☒ No (0) ☐ Possible (1) ☐

Condition: Sound (1) ☐ Fair (2) ☒
Poor (3) ☐ Very poor to extreme (4) ☐

Accessibility: Low (1) ☒ Medium (2) ☐ High (3) ☐

Risk rating: 2 1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high

Concentration: 0.003% w/w

Recommendations:

Warning labels ☐ Remove/replace ☐


Monitor condition yearly ☐ Avoid mechanical damage ☐

Repair required ☐ Remove for renovations ☐

Restrict access ☐ Remove for demolition ☐

Comments Positive results for field lead check swab test and laboratory test. Concentrations below SafeWork NSW 0.1% threshold.

Job no	15064	Address	Blayney MPS, 248 Summer Street, Orange	
ID	29	Building	Building 3, emergency generator room	
Location	Internal, walls	Material description	White paint	Extent (m²) >100

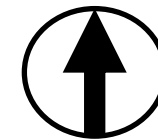
	Identification	Visual <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/>	Field screening <input type="checkbox"/>
			(15034-101)	
	Lead	Yes (1) <input checked="" type="checkbox"/>	No (0) <input type="checkbox"/>	Possible (1) <input type="checkbox"/>
	Condition:	Sound (1) <input type="checkbox"/>	Fair (2) <input checked="" type="checkbox"/>	
		Poor (3) <input type="checkbox"/>	Very poor to extreme (4) <input type="checkbox"/>	
	Accessibility:	Low (1) <input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/>	High (3) <input type="checkbox"/>
	Risk rating:	4	1-2 – Very low to low, 3-4 – Moderate, 5-8 –high, 9-18 – very high	
	Concentration:	0.11% w/w		
	Recommendations:			
	Warning labels <input checked="" type="checkbox"/>	Remove/replace <input type="checkbox"/>		
Monitor condition yearly <input checked="" type="checkbox"/>	Avoid mechanical damage <input checked="" type="checkbox"/>			
Repair required <input type="checkbox"/>	Remove for renovations <input checked="" type="checkbox"/>			
Restrict access <input type="checkbox"/>	Remove for demolition <input type="checkbox"/>			
Comments	Positive results for field lead check swab test and laboratory test. Concentrations above SafeWork NSW 0.1% threshold.			

Appendix 1c. Hazardous materials register (SMF)



ID	Building	Location	Material description	Extent	Risk
30	Building 1	External, hot water system	Synthetic mineral fibres	6 units	Low
31	Building 1	External, hot water system, pipework	Synthetic mineral fibres	30m ²	Low
32	Building 1	Internal, western wing, ceiling cavity	Synthetic mineral fibres	15m ²	Low
29	Building 1	Internal, eastern wing, ceiling cavity	Synthetic mineral fibres	10m ²	Low
30	Building 1	Internal, kitchen, hot water system	Synthetic mineral fibres	1 unit	Low
33	Building 1	Internal, kitchen, hot water heaters	Synthetic mineral fibres	2 units	Low
34	Building 3	Internal, emergency generator room, pipework	Synthetic mineral fibres	30m ²	Low
35	Building 3	Internal, emergency generator room, gas heaters	Synthetic mineral fibres	2 units	Low
36	Building 3	Internal, emergency generator room, electric heater	Synthetic mineral fibres	1 unit	Low
37	Building 3	Internal, emergency generator room, old electric heater	Synthetic mineral fibres	1 unit	Low
38	Building 3	Internal, workshop, ceiling lining	Synthetic mineral fibres	30m ²	Low
39	Building 4	Internal, garage, ceiling lining	Synthetic mineral fibres	50m ²	Low
40	Building 6	Internal, storage shed, ceiling lining	Synthetic mineral fibres	60m ²	Low

Appendix 1d. Hazardous materials register

ID	Building	Location	Material description	Extent	Risk
41	Building 1	Internal, X-ray room, oxygen tank	Flammable/combustible materials	1 unit	Low
42	Building 1	Internal, chemical storeroom, hand sanitizer	Flammable/combustible materials	>10L	Low
43	Building 1	Internal, throughout all areas, hand sanitizer	Flammable/combustible materials	>10L	Low
44	Building 1	Internal, oxygen storeroom, oxygen bottles	Flammable/combustible materials	9 Large, 4 medium, 2 small	Low
45	Building 1	Internal, throughout all areas, oxygen bottles	Flammable/combustible materials	Unknown	Low
46	Building 4	Internal, flammable liquid cabinet, diesel	Flammable/combustible materials	3x 10L jerry cans	Low
47	Building 4	Internal, flammable liquid cabinet, petrol	Flammable/combustible materials	3x 20L jerry cans	Low
48	Building 1	Internal, X-ray room, radiation source	Radioactive materials	1 unit	Low



Legend

-  Asbestos containing materials
-  Lot boundary

Appendix 2. Site plan and asbestos occurrences

Blayney MPS, Osman Street, Blayney NSW



Envirowest Consulting Pty Ltd

Job: R15064hm

Drawn by: LN

Date: 14/11/2022

Appendix 3. Report limitations and intellectual property

This report has been prepared for the use of the client to achieve the objectives given the client requirements. The level of confidence of the conclusion reached is governed by the scope of the investigation and the availability and quality of existing data and within the budget available. Where limitations or uncertainties are known, they are identified in the report. No liability can be accepted for failure to identify conditions or issues which arise in the future and which could not reasonably have been predicted using the scope of the investigation and the information obtained.

Actual conditions may differ from those inferred to exist, because no professional, no matter how well qualified, and exploration program, no matter how comprehensive, can reveal what is hidden by building, renovations, earth, rock or time. The actual interface between materials may be far more gradual or abrupt than a report indicates. No liability will be accepted for undetected asbestos in the building. Actual conditions in areas not sampled may differ from predictions. It is thus important to understand the limitations of the investigation and recognise that we are not responsible for these limitations.

Measurements and quantities described are approximate. This report is not be used as a contractual document. No guarantees can be entered into regarding the accuracy or completeness of this report. The information in the report is accurate at the time of printing.

This report including data contained and its findings and conclusions remain the intellectual property of Envirowest Consulting Pty Ltd. A licence to use the report for the specific purpose identified is granted after full payment for the services involved in preparation of the report. This report should not be used by other persons or purposes than stated the scope and not reproduced without the permission of Envirowest Consulting.

Inaccessible areas of the site were not inspected including wall cavities, inside roof, inside eaves, behind concealed ceilings, floors and walls, under floor coverings, hidden pipe coverings, under pavements, soil or gravel, areas concealed by insulation, sarking, pipework, ductwork, contained in equipment, cores to fire doors and construction and expansion joints.

Appendix 4. Laboratory Reports

CLIENT DETAILS

Contact Luke Niven
Client ENVIROWEST CONSULTING PTY LIMITED
Address PO BOX 8158
ORANGE NSW 2800

Telephone 61 2 63614954
Facsimile (Not specified)
Email luke@envirowest.net.au

Project **15064**
Order Number **15064**
Samples 11

LABORATORY DETAILS

Manager Huong Crawford
Laboratory SGS Alexandria Environmental
Address Unit 16, 33 Maddox St
Alexandria NSW 2015

Telephone +61 2 8594 0400
Facsimile +61 2 8594 0499
Email au.environmental.sydney@sgs.com

SGS Reference **SE238601 R0**
Date Received 3/11/2022
Date Reported 10/11/2022

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

Micros subcontracted to SGS Cairns, 2/58 Comport St, Portsmith QLD 4870, NATA Accreditation Number: 2562, Site Number: 3146. Report No: S1217574 .

SIGNATORIES



Bennet LO
Senior Chemist



Dong LIANG
Metals/Inorganics Team Leader



Huong CRAWFORD
Production Manager



Shane MCDERMOTT
Inorganic/Metals Chemist

Anions by Ion Chromatography in Water [AN245] Tested: 9/11/2022

PARAMETER	UOM	LOR	15064-1	15064-2	15064-3	15064-4	15064-5
			WATER	WATER	WATER	WATER	WATER
			-	-	-	-	-
			2/11/2022 SE238601.001	2/11/2022 SE238601.002	2/11/2022 SE238601.003	2/11/2022 SE238601.004	2/11/2022 SE238601.005
Nitrate Nitrogen, NO3-N	mg/L	0.005	0.25	0.25	0.25	0.25	0.25
Chloride	mg/L	1	19	19	19	19	19
Sulfate, SO4	mg/L	1	1.5	1.5	1.5	1.4	1.4
Fluoride	mg/L	0.02	0.05	0.03	0.03	<0.02	0.03

PARAMETER	UOM	LOR	DA
			WATER
			-
			2/11/2022 SE238601.006
Nitrate Nitrogen, NO3-N	mg/L	0.005	0.25
Chloride	mg/L	1	19
Sulfate, SO4	mg/L	1	1.4
Fluoride	mg/L	0.02	0.03

Nitrite in Water [AN277] Tested: 3/11/2022

			15064-1	15064-2	15064-3	15064-4	15064-5
			WATER	WATER	WATER	WATER	WATER
			-	-	-	-	-
			2/11/2022	2/11/2022	2/11/2022	2/11/2022	2/11/2022
PARAMETER	UOM	LOR	SE238601.001	SE238601.002	SE238601.003	SE238601.004	SE238601.005
Nitrite Nitrogen, NO2 as N	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005

			DA
			WATER
			-
			2/11/2022
PARAMETER	UOM	LOR	SE238601.006
Nitrite Nitrogen, NO2 as N	mg/L	0.005	<0.005

pH in water [AN101] Tested: 3/11/2022

			15064-1	15064-2	15064-3	15064-4	15064-5
			WATER	WATER	WATER	WATER	WATER
			-	-	-	-	-
			2/11/2022	2/11/2022	2/11/2022	2/11/2022	2/11/2022
PARAMETER	UOM	LOR	SE238601.001	SE238601.002	SE238601.003	SE238601.004	SE238601.005
pH**	No unit	-	6.9	7.0	7.0	7.0	7.0

			DA
			WATER
			-
			2/11/2022
PARAMETER	UOM	LOR	SE238601.006
pH**	No unit	-	7.0

Conductivity and TDS by Calculation - Water [AN106] Tested: 3/11/2022

PARAMETER	UOM	LOR	15064-1	15064-2	15064-3	15064-4	15064-5
			WATER	WATER	WATER	WATER	WATER
			-	-	-	-	-
			2/11/2022	2/11/2022	2/11/2022	2/11/2022	2/11/2022
			SE238601.001	SE238601.002	SE238601.003	SE238601.004	SE238601.005
Conductivity @ 25 C	µS/cm	2	180	180	180	180	180
Total Dissolved Solids (by calculation)	mg/L	2	110	110	110	110	110

PARAMETER	UOM	LOR	DA
			WATER
			-
			2/11/2022
			SE238601.006
Conductivity @ 25 C	µS/cm	2	180
Total Dissolved Solids (by calculation)	mg/L	2	110

Alkalinity [AN135] Tested: 8/11/2022

PARAMETER	UOM	LOR	15064-1	15064-2	15064-3	15064-4	15064-5
			WATER - 2/11/2022 SE238601.001	WATER - 2/11/2022 SE238601.002	WATER - 2/11/2022 SE238601.003	WATER - 2/11/2022 SE238601.004	WATER - 2/11/2022 SE238601.005
Bicarbonate Alkalinity as CaCO ₃	mg/L	5	66	65	710	80	68
Carbonate Alkalinity as CaCO ₃	mg/L	1	<1	<1	<1	<1	<1
Hydroxide Alkalinity as CaCO ₃	mg/L	5	<5	<5	<5	<5	<5
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	5	<5	<5	<5	<5	<5
Total Alkalinity as CaCO ₃	mg/L	5	66	65	710	80	68

PARAMETER	UOM	LOR	DA
			WATER - 2/11/2022 SE238601.006
Bicarbonate Alkalinity as CaCO ₃	mg/L	5	68
Carbonate Alkalinity as CaCO ₃	mg/L	1	<1
Hydroxide Alkalinity as CaCO ₃	mg/L	5	<5
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	5	<5
Total Alkalinity as CaCO ₃	mg/L	5	68

Filterable Reactive Phosphorus (FRP) [AN278] Tested: 3/11/2022

			15064-1	15064-2	15064-3	15064-4	15064-5
			WATER	WATER	WATER	WATER	WATER
			-	-	-	-	-
			2/11/2022	2/11/2022	2/11/2022	2/11/2022	2/11/2022
PARAMETER	UOM	LOR	SE238601.001	SE238601.002	SE238601.003	SE238601.004	SE238601.005
Filterable Reactive Phosphorus as P	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005

			DA
			WATER
			-
			2/11/2022
PARAMETER	UOM	LOR	SE238601.006
Filterable Reactive Phosphorus as P	mg/L	0.005	<0.005

Acidity and Free CO₂ [AN140] Tested: 4/11/2022

			15064-1	15064-2	15064-3	15064-4	15064-5
			WATER	WATER	WATER	WATER	WATER
			-	-	-	-	-
			2/11/2022	2/11/2022	2/11/2022	2/11/2022	2/11/2022
PARAMETER	UOM	LOR	SE238601.001	SE238601.002	SE238601.003	SE238601.004	SE238601.005
Acidity to pH 8.3	mg CaCO ₃ /L	5	13	10	9	10	9

			DA
			WATER
			-
			2/11/2022
PARAMETER	UOM	LOR	SE238601.006
Acidity to pH 8.3	mg CaCO ₃ /L	5	8

Metals in Water (Total) by ICPOES [AN022/AN320] Tested: 4/11/2022

			15064-1	15064-2	15064-3	15064-4	15064-5
			WATER - 2/11/2022 SE238601.001	WATER - 2/11/2022 SE238601.002	WATER - 2/11/2022 SE238601.003	WATER - 2/11/2022 SE238601.004	WATER - 2/11/2022 SE238601.005
PARAMETER	UOM	LOR					
Total Calcium	mg/L	0.1	13	13	13	13	13
Total Magnesium	mg/L	0.1	7.1	7.2	7.1	7.1	7.1
Total Sodium	mg/L	0.1	10	10	10	10	10
Total Potassium	mg/L	0.2	1.8	1.8	1.8	1.8	1.8

			DA
			WATER - 2/11/2022 SE238601.006
PARAMETER	UOM	LOR	
Total Calcium	mg/L	0.1	13
Total Magnesium	mg/L	0.1	7.2
Total Sodium	mg/L	0.1	10
Total Potassium	mg/L	0.2	1.8

Trace Metals (Total) in Water by ICPMS [AN022/AN318] Tested: 4/11/2022

PARAMETER	UOM	LOR	15064-1	15064-2	15064-3	15064-4	15064-5
			WATER - 2/11/2022 SE238601.001	WATER - 2/11/2022 SE238601.002	WATER - 2/11/2022 SE238601.003	WATER - 2/11/2022 SE238601.004	WATER - 2/11/2022 SE238601.005
Total Aluminium	µg/L	5	10	8	8	7	9
Total Arsenic	µg/L	1	<1	<1	<1	<1	<1
Total Cadmium	µg/L	0.1	<0.1	0.3	<0.1	<0.1	<0.1
Total Chromium	µg/L	1	<1	<1	<1	<1	<1
Total Iron	µg/L	5	6	<5	<5	<5	5
Total Copper	µg/L	1	1900	1500	200	230	41
Total Nickel	µg/L	1	1	6	<1	2	<1
Total Lead	µg/L	1	2	16	<1	2	1
Total Zinc	µg/L	5	41	3000	19	20	16

PARAMETER	UOM	LOR	DA
			WATER - 2/11/2022 SE238601.006
Total Aluminium	µg/L	5	36
Total Arsenic	µg/L	1	<1
Total Cadmium	µg/L	0.1	<0.1
Total Chromium	µg/L	1	<1
Total Iron	µg/L	5	19
Total Copper	µg/L	1	890
Total Nickel	µg/L	1	<1
Total Lead	µg/L	1	9
Total Zinc	µg/L	5	44

Mercury (total) in Water [AN311(Perth) /AN312] Tested: 4/11/2022

			15064-1	15064-2	15064-3	15064-4	15064-5
			WATER	WATER	WATER	WATER	WATER
			-	-	-	-	-
			2/11/2022	2/11/2022	2/11/2022	2/11/2022	2/11/2022
PARAMETER	UOM	LOR	SE238601.001	SE238601.002	SE238601.003	SE238601.004	SE238601.005
Soluble Mercury slave analyte from EW_APHA3112B	mg/L	0.0001	-	-	-	-	-
Total Mercury	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

			DA
			WATER
			-
			2/11/2022
PARAMETER	UOM	LOR	SE238601.006
Soluble Mercury slave analyte from EW_APHA3112B	mg/L	0.0001	-
Total Mercury	mg/L	0.0001	<0.0001



ANALYTICAL RESULTS

SE238601 R0

Sample Subcontracted ☐ Tested: 4/11/2022

			15064-1	15064-2	15064-3	15064-4	15064-5
			WATER	WATER	WATER	WATER	WATER
			-	-	-	-	-
			2/11/2022	2/11/2022	2/11/2022	2/11/2022	2/11/2022
PARAMETER	UOM	LOR	SE238601.001	SE238601.002	SE238601.003	SE238601.004	SE238601.005
Sample Subcontracted*	No unit	-	Symbio	Symbio	Symbio	Symbio	Symbio

			DA
			WATER
			-
			2/11/2022
PARAMETER	UOM	LOR	SE238601.006
Sample Subcontracted*	No unit	-	Symbio



ANALYTICAL RESULTS

SE238601 R0

Metals in Paint by ICPOES [AN065/AN320] Tested: 10/11/2022

			15064-101	15064-102	15064-103	15064-107	15064-108
			PAINT	PAINT	PAINT	PAINT	PAINT
			-	-	-	-	-
			2/11/2022	2/11/2022	2/11/2022	2/11/2022	2/11/2022
PARAMETER	UOM	LOR	SE238601.007	SE238601.008	SE238601.009	SE238601.010	SE238601.011
Lead, Pb	%w/w	0.001	0.11	0.003	0.022	0.054	0.027

METHOD

METHODOLOGY SUMMARY

AN022/AN318

Following acid digestion of un filtered sample, determination of elements at trace level in waters by ICP-MS technique, referenced to USEPA 6020B and USEPA 200.8 (5.4).

AN022/AN320

Total (acid soluble) Metals by ICP-OES: Samples are digested in nitric or nitric and hydrochloric acids prior to analysis for a wide range of metals and some non-metals. This solution is measured by Inductively Coupled Plasma. Solutions are aspirated into an argon plasma at 8000-10000K and emit characteristic energy or light as a result of electron transitions through unique energy levels. The emitted light is focused onto a diffraction grating where it is separated into components.

AN022

The water sample is digested with Nitric Acid and made up to the original volume similar to APHA3030E.

AN065/AN320

A portion of paint chips sample is digested with nitric acid to solubilise the metals into solution. Digest then analysed by ICP OES with result calculated back to the as received paint sample basis.

AN101

pH in Soil Sludge Sediment and Water: pH is measured electrometrically using a combination electrode (glass plus reference electrode) and is calibrated against 3 buffers purchased commercially. For soils, an extract with water is made at a ratio of 1:5 and the pH determined and reported on the extract. Reference APHA 4500-H+.

AN106

Conductivity and TDS by Calculation: Conductivity is measured by meter with temperature compensation and is calibrated against a standard solution of potassium chloride. Conductivity is generally reported as $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$ @ 25°C. For soils, an extract with water is made at a ratio of 1:5 and the EC determined and reported on the extract, or calculated back to the as-received sample. Total Dissolved Salts can be estimated from conductivity using a conversion factor, which for natural waters, is in the range 0.55 to 0.75. SGS use 0.6. Reference APHA 2510 B.

AN106

Salinity may be calculated in terms of NaCl from the sample conductivity. This assumes all soluble salts present, measured by the conductivity, are present as NaCl.

AN135

Alkalinity (and forms of) by Titration: The sample is titrated with standard acid to pH 8.3 (P titre) and pH 4.5 (T titre) and permanent and/or total alkalinity calculated. The results are expressed as equivalents of calcium carbonate or recalculated as bicarbonate, carbonate and hydroxide. Reference APHA 2320. Internal Reference AN135

AN140

Acidity by Titration: The water sample is titrated with sodium hydroxide to designated pH end point. In a sample containing only carbon dioxide, bicarbonates and carbonates, titration to pH 8.3 at 25°C corresponds to stoichiometric neutralisation of carbonic acid to bicarbonate. Method reference APHA 2310 B.

AN245

Anions by Ion Chromatography: A water sample is injected into an eluent stream that passes through the ion chromatographic system where the anions of interest ie Br, Cl, NO₂, NO₃ and SO₄ are separated on their relative affinities for the active sites on the column packing material. Changes to the conductivity and the UV-visible absorbance of the eluent enable identification and quantitation of the anions based on their retention time and peak height or area. APHA 4110 B

AN277

Nitrite ions, when reacted with a reagent containing sulphanilamide and N-(1-naphthyl)-ethylenediamine dihydrochloride produce a highly coloured azo dye that is measured photometrically at 540nm.

AN278

Filterable Reactive Phosphorus by DA (determined on filtered sample): Orthophosphate reacts with ammonium molybdate (Mo VI) and potassium antimonyl tartrate (Sb III) in acid medium to form an antimony-phosphomolybdate complex. This complex is subsequently reduced with ascorbic acid to form a blue colour and the absorbance is read at 880 nm. The sensitivity of the automated method is 10-20 times that of the macro method. Reference APHA 4500-P F

AN311(Perth) /AN312

Mercury by Cold Vapour AAS in Waters: Mercury ions taken from unfiltered sample are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500.

AN320

Photomultipliers or CCDs are used to measure the light intensity at specific wavelengths. This intensity is directly proportional to concentration. Corrections are required to compensate for spectral overlap between elements. Reference APHA 3120 B.

Calculation

Free and Total Carbon Dioxide may be calculated using alkalinity forms only when the samples TDS is <500mg/L. If TDS is >500mg/L free or total carbon dioxide cannot be reported. APHA4500CO₂ D.

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	Not analysed.	UOM	Unit of Measure.
**	Indicative data, theoretical holding time exceeded.	NVL	Not validated.	LOR	Limit of Reporting.
***	Indicates that both * and ** apply.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
		LNR	Sample listed, but not received.		

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the "Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.

Note that in terms of units of radioactivity:

- 1 Bq is equivalent to 27 pCi
- 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

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Environmental
Geotechnical
Asbestos
Services



ASBESTOS IDENTIFICATION REPORT

Client	APP Corporation Pty Ltd	Report number	LR15064id
Contact	Angelina Jonevski		
Address	Level 2, 426 King Street Newcastle NSW 2300	Date	01/11/2022

Site location	Blayney MPS Osman Street Blayney NSW 2799
Sampled by	Greg Madafiglio / Luke Niven
Date received	27/10/2022
Date tested	01/11/2022
Test method	Identification using polarized light microscopy with dispersion staining in accordance with <i>Method for the qualitative identification of asbestos in bulk samples (AS4964-2004)</i> and EW Testing Services in-house method TA2.

Sample id	Location	Description	Results
15064-1	Building 3, plant room, Rolls Royce generator exhaust, gasket below coil	0.25g red fibrous gasket material	Chrysotile (white asbestos) detected
15064-2	Building 3, plant room, Rolls Royce generator exhaust, gasket above coil	0.3g red fibrous gasket material	Chrysotile (white asbestos) detected
15064-3	Building 3, plant room, hot water pump tray, black mastic around edge	3g black bituminous material, non-fibrous	No asbestos detected. *
15064-4	Building 3, plant room, hot water pump gasket	2g black bituminous material, with embedded fibre bundles	No asbestos detected. * Organic fibres present.
15064-5	Building 3, plant room, hot water pipes above gas heater, vertical red gasket	2g red fibrous gasket material	Chrysotile (white asbestos) detected
15064-6	Building 3, plant room, hot water pipe above gas heater, horizontal gasket	2g red fibrous gasket material	Chrysotile (white asbestos) detected
15064-7	Building 3, plant room, redundant pipe valve	49g rusty brown fibrous gasket	Chrysotile (white asbestos) detected
15064-8	Building 3, plant room, old heater, hot water gasket	1g broken pieces of black resinous material	Chrysotile (white asbestos) detected
15064-9	Building 3, eaves, eastern	0.4g fibrous cement sheet with off-white paint	Chrysotile (white asbestos) detected Organic fibres present.
15064-10	Between buildings 1 and 3, soffit ceiling breezeway	1g fibrous cement sheet painted white on one side	Chrysotile (white asbestos) detected Organic fibres present.

15064-11	Building 1, southern wing, eaves	89g cement sheet, non-fibrous	No asbestos detected. *
15064-12	Building 1, medical wards, eaves	1g fibrous cement sheet painted white on one side	No asbestos detected. * Organic fibres present.
15064-13	Building 1, general, hallway toilet walls	0.2g fibrous cement sheet painted white on one side	No asbestos detected. * Organic fibres present.
15064-14	Building 1, eastern hallway, floor	4g off-white vinyl tile	No asbestos detected. *
15064-15	Building 1, eastern wing, eaves	7.5g cement sheet painted white on one side, non-fibrous	No asbestos detected. *
15064-16	Building 1, eastern wing, eaves, inside, below gutter	0.1g fibrous cement	No asbestos detected. * Organic fibres present.
15064-17	Building 1, eastern wing, manhole cover	7g pale pink fibrous cement sheet painted off-white on one side	No asbestos detected. * Organic fibres present.

Comments:

* Trace analysis performed.

Sampling: NATA accreditation does not cover the performance of this service

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Carmen King

Carmen King
Approved asbestos analyst



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