

Asbestos Register

(Hazardous Materials and Risk Assessment)

School:	Karonga School (5670)
Region:	Northern Sydney AMU
State Electorate:	Epping
Local Government Area:	Parramatta

Last Reviewed By:	WSP 16-SEP-2016
Last Revised By:	

Historical Fibro In Grounds Investigations/Events	No
<p>No previous investigations have been recorded against the school. However, asbestos containing materials maybe present in grounds from time to time and caution must be exercised prior to any grounds disturbance.</p>	



Preface to Asbestos Register

Limitations

Asbestos Registers established (first surveyed 2007/08) and maintained for the Department of Education (DoE) are limited in extent, in that:

1. All inspections and surveys of materials and finishes in DoE facilities are non-disturbance, with
2. Samples undertaken by hygienist to determine whether a sample is an Asbestos Containing Material (ACM),
3. The hygienist may apply a single sample to like materials within a space and adjoining spaces, but not normally between buildings,
4. Successive inspections have reduced any inconclusive records such as 'assumed asbestos' in difficult to access areas, by undertaking additional sampling with lifting devices.
5. In compliance with WHS Act 2011 and WHS Regulations 2017, additional inspections have been undertaken in ceiling spaces and sub-floor areas where access is possible.
 - o Where the ground floor is slab on ground, no inspection is made beneath the slab.
 - o Where fibro fragments (ACM taken for sampling) are located in ceiling spaces or sub floor voids air monitoring is normally undertaken at time of sampling, and clearance undertaken as soon as practicable.
6. No attempt has been made to identify any ACM that is hidden from view or encapsulated within
 - o Any wall cavity
 - o Sub floor area, particularly formwork for slabs in/on ground,
 - o Services (that may use ACM) such as: pipe lagging, asbestos cement pipes, flues.
7. All known ACM in Grounds (Fibro in Grounds) is made available in associated site specific asbestos management plans in DoE electronic files.
Notwithstanding information provided, ACM may be present in grounds from time to time and caution must be exercised prior to any grounds disturbance.

Use of the Asbestos Register

Prior to any disturbance works being undertaken in a building to which this asbestos register applies it will be necessary to confirm the extent of any ACM by a disturbance investigation:

- If the building was built prior to 2003
- If any ACM has been identified in the Asbestos Register for the building.

Update of Asbestos Registers

Asbestos Register Data is updated regularly by the DoE Hygienist Panel via the Online Asbestos Register Tool (Managed by Business Systems, School Infrastructure NSW). Internal users can view the latest edition of the Asbestos Register in the AMS.

Please note: The Department's external website may not contain the latest revision of the Asbestos Register.

Notes 1: Vermiculite

- During 2018/19, all vermiculite occurrences in DoE schools identified in 2007/08, were 'composite tested' in accordance with a safe work NSW agreed procedure. This required multiple testing of all vermiculite occurrences.
- During the period 2007/08 to 2018/19, some vermiculite has been over sheeted and a warning is indicated for schools where this has happened.

Note 2: DoE website link for information is here:

<https://www.schoolinfrastructure.nsw.gov.au/about-us/working-with-us/schools-asbestos-register.html>

<https://education.nsw.gov.au/about-us/strategies-and-reports/our-reports-and-reviews/schools-asbestos-register>

Note 3: Material Condition Assessment

The material condition assessment descriptors from Section 3 of the Asbestos Management Plan (AMP) is extracted below. Please read the AMP in its entirety for further information.

3.3.2.1 Material condition assessment

The OART records the material condition of identified ACM in the following format:

Rating	Description
Good condition (1)	For non-friable asbestos that is sealed and has no visible damage. This primarily related to asbestos cement (AC) sheet and vinyl tiles
Minimal damage (2)	For non-friable asbestos that has a very small amount of damage, eg hairline cracks.
Some damage / unsealed (3)	For non-friable asbestos with significant breakage or several small areas where material has been damaged, revealing loose asbestos fibres. Non-friable asbestos that is unsealed.
Poor condition (4)	For non-friable asbestos that has extensive damage. Visible asbestos debris
Friable asbestos (5)	Any occurrence of friable asbestos

Product	Material Description	Extent	Location	Material Condition	Risk Status	Remediation Priority	Result
B00A - Administration/Support Unit - 1982 - Brick/Veneer							
Exterior							
Ceiling Voids - Raked Ceiling	No Asbestos Found						
Underfloor Voids - Slab on Ground	No Asbestos Found						
Interior							
B00A - R0002 - Therapy - 83.96 m2							
No Asbestos							
B00A - R0003 - Toilet - S - 3.11 m2							
No Asbestos							
B00A - R0004 - Therapy Store - 12.67 m2							
No Asbestos							
B00A - R0005 - Interview - 12.11 m2							
No Asbestos							
B00A - R0006 - Therapy - 20.46 m2							
No Asbestos							
B00A - R0007 - Main Switch Board - 8.64 m2							
Ceiling Structures/Linings	Flat AC Sheeting	9m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
Wall Linings Internal	Flat AC Sheeting	60m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
B00A - R0008 - Cleaning Distributed Store - 4.65 m2							
No Asbestos							
B00A - R0009 - Movement - 42.87 m2							
No Asbestos							
B00A - R0010 - Staff Room - 53.13 m2							
No Asbestos							
B00A - R0011 - Movement - 6.6 m2							
No Asbestos							
B00A - R0012 - Clerical Office/Workroom - 3.85 m2							
No Asbestos							
B00A - R0013 - Movement - 7.8 m2							
No Asbestos							
B00A - R0014 - Entry Vestibule - 12.64 m2							
No Asbestos							
B00A - R0015 - Security Store - 13.13 m2							
No Asbestos							
B00A - R0016 - Clerical Office - 13.12 m2							
No Asbestos							
B00A - R0017 - Clerical Office/Workroom - 11.94 m2							
No Asbestos							
B00A - R0018 - Community Clinic - 5.76 m2							
No Asbestos							
B00A - R0019 - Staff Toilet - 6 m2							
No Asbestos							
B00A - R0020 - Staff Toilet - 9 m2							
No Asbestos							
B00A - R0021 - Staff Toilet - 5.05 m2							
No Asbestos							

B00A - R0022 - General Storeroom - 12.7 m2							
No Asbestos							
B00A - R0024 - Deputy Principal - 12.04 m2							
No Asbestos							
B00A - R0025 - Principal - 20.21 m2							
No Asbestos							
B00A - R0026 - Movement - 27.3 m2							
No Asbestos							
B00A - R0027 - Movement - 36.96 m2							
No Asbestos							
B00A - R0028 - Covered Vehicle Area/Porte Cochere - 34.85 m2							
No Asbestos							
B00A - R0029 - Movement - 14.84 m2							
No Asbestos							
B00A - R0030 - Sick Bay - 16.2 m2							
No Asbestos							
B00A - R0031 - Movement - 16.16 m2							
No Asbestos							
B00A - R0032 - Hall Chair Store - 12.04 m2							
No Asbestos							
B00A - R0033 - Communal Space - 150.95 m2							
No Asbestos							
B00A - R0034 - Raised Platform - 27.68 m2							
No Asbestos							
B00A - R0035 - General Storeroom - 7 m2							
No Asbestos							
B00A - R0036 - Canteen - 16 m2							
No Asbestos							
B00A - R0037 - Canteen Office/Store - 1.67 m2							
No Asbestos							
B00A - R0038 - Staff Toilet - 1.79 m2							
No Asbestos							
B00A - R0039 - Movement - 3.83 m2							
No Asbestos							
B00A - R0040 - Movement - 16.08 m2							
No Asbestos							
B00A - R0041 - Movement - 3.76 m2							
No Asbestos							
B00A - R0042 - Movement - 10.24 m2							
No Asbestos							
B00A - R0043 - General Assistant/Bulk Store - 16.12 m2							
No Asbestos							
B00A - R0044 - General Assistant/Bulk Store - 73.02 m2							
No Asbestos							
B00A - R0045 - Distribution Board - 1.55 m2							Note: No inspection of live electrical installation
Wall Linings Internal	Flat AC Sheeting	25m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
Ceiling Structures/Linings	Flat AC Sheeting	2m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
B00A - R0046 - Cleaning Distributed Store - 2.56 m2							
No Asbestos							
B00A - R0047 - Distribution Board - .43 m2							Note: No inspection of live electrical installation

Wall Linings Internal	Flat AC Sheeting	8m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
Ceiling Structures/Linings	Flat AC Sheeting	1m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
B00A - R0048 - Movement - 12.72 m2							
No Asbestos							
B00A - R0049 - Clerical Office - 11.69 m2							
No Asbestos							
B00A - R0050 - General Storeroom - 3.71 m2							
No Asbestos							
B00A - R0053 - Toilets - Girls - 10.13 m2							
No Asbestos							
B00A - R0055 - Movement - 5.21 m2							
No Asbestos							
B00A - R0056 - General Storeroom - 6.58 m2							
No Asbestos							
B00A - R0057 - K.L.A. Store - 60.37 m2							
No Asbestos							
B00A - R0058 - Movement - 10.1 m2							
No Asbestos							
B00A - R0059 - Movement - 119.39 m2							
No Asbestos							
B00A - R0060 - Movement - 50.46 m2							
No Asbestos							
B00A - R0061 - Resource/Toy Space - 45.75 m2							
No Asbestos							
B00A - R0062 - Reading Area - 70.01 m2							
No Asbestos							
B00A - R0063 - Deputy Principal - Type 1 - 8.91 m2							
No Asbestos							
B00A - R0064 - Deputy Principal - Type 1 - 7.55 m2							
No Asbestos							
B00B - Staff Facilities - 1982 - Brick/Veneer							
Exterior							
Ceiling Voids - Raked Ceiling	No Asbestos Found						
Underfloor Voids - Slab on Ground	No Asbestos Found						
Interior							
B00B - R0001 - Clerical Office - 10.49 m2							
No Asbestos							
B00B - R0002 - Stairs - 8.28 m2							
No Asbestos							
B00B - R9001 - Staff Room - 38.49 m2							
No Asbestos							
B00B - R9002 - Movement - 6.18 m2							
No Asbestos							
B00B - R9003 - Stairs - 8.28 m2							
No Asbestos							
B00C - Support Unit - 1982 - Brick/Veneer							
Exterior							

Ceiling Voids - Raked Ceiling	No Asbestos Found						
Underfloor Voids - Slab on Ground	No Asbestos Found						
Interior							
B00C - R0001 - Toilet - S - 16.34 m2							
No Asbestos							
B00C - R0002 - Toilet - S - 16.34 m2							
No Asbestos							
B00C - R0003 - Plant - .61 m2							
No Asbestos							
B00C - R0004 - Distribution Board - .46 m2							
Note: No inspection of live electrical installation							
Wall Linings Internal	Flat AC Sheeting	8m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
Ceiling Structures/Linings	Flat AC Sheeting	1m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
B00C - R0006 - General Storeroom - 9.75 m2							
No Asbestos							
B00C - R0007 - Toilet - S - 5.13 m2							
No Asbestos							
B00C - R0008 - Movement - 36.2 m2							
No Asbestos							
B00C - R0009 - Special Education Support Centre - 62.98 m2							
No Asbestos							
B00C - R0010 - Laundry - S - 10.3 m2							
No Asbestos							
B00D - Support Unit - 1982 - Brick/Veneer							
Exterior							
Ceiling Voids - Raked Ceiling	No Asbestos Found						
Underfloor Voids - Slab on Ground	No Asbestos Found						
Interior							
B00D - R0001 - Home Base - S - 51.23 m2							
No Asbestos							
B00D - R0002 - Toilet - S - 18.83 m2							
No Asbestos							
B00D - R0003 - Practical Activities - S - 1hb - 13.16 m2							
No Asbestos							
B00D - R0004 - Covered Outdoor Learning Area - S - 10.04 m2							
No Asbestos							
B00D - R0005 - Home Base - S - 49.7 m2							
No Asbestos							
B00D - R0006 - Covered Outdoor Learning Area - S - 13.4 m2							
No Asbestos							
B00D - R0007 - Cleaning Distributed Store - 2.48 m2							
No Asbestos							
B00D - R0008 - Toilet - S - 2.48 m2							
No Asbestos							
B00D - R0009 - Toilet - S - 2.48 m2							
No Asbestos							
B00D - R0010 - Distribution Board - .46 m2							
Note: No inspection of live electrical installation							

Wall Linings Internal	Flat AC Sheeting	8m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
Ceiling Structures/Linings	Flat AC Sheeting	1m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
B00D - R0011 - Therapy - 15.55 m2							
No Asbestos							
B00D - R0012 - Home Base - S - 49.98 m2							
No Asbestos							
B00D - R0013 - Movement - 7.82 m2							
No Asbestos							
B00D - R0014 - Practical Activities - S - 1hb - 19.28 m2							
No Asbestos							
B00D - R0015 - Toilet - S - 13.17 m2							
No Asbestos							
B00D - R0016 - Home Base - S - 49.98 m2							
No Asbestos							
B00D - R0017 - Movement - 7.65 m2							
No Asbestos							
B00D - R0018 - Movement - 169.35 m2							
No Asbestos							
B00D - R0019 - Toilet - S - 7.86 m2							
No Asbestos							
B00D - R0020 - Toilet - S - 7.86 m2							
No Asbestos							
B00D - R0021 - Music Store - 16.2 m2							
No Asbestos							
B00D - R0022 - Toilet - S - 2.23 m2							
No Asbestos							
B00D - R0023 - Toilet - S - 2.17 m2							
No Asbestos							
B00D - R0024 - No Access - 2.27 m2							
No Asbestos							
B00E - Support Unit - 1985 - Brick/Veneer							
Exterior							
Ceiling Voids - Raked Ceiling	No Asbestos Found						
Underfloor Voids - Slab on Ground	No Asbestos Found						
Interior							
B00E - R0003 - Home Base - S - 60.51 m2							
No Asbestos							
B00E - R0004 - Movement - 31.05 m2							
No Asbestos							
B00E - R0005 - Therapy - 20.36 m2							
No Asbestos							
B00E - R0006 - No Access - 19.44 m2							
No Asbestos							
B00E - R0007 - Movement - 32 m2							
No Asbestos							
B00E - R0008 - Movement - 21.36 m2							
No Asbestos							
B00E - R0009 - Disabled Toilet - 5.2 m2							
No Asbestos							

B00P - Pupil Facilities/Communal Facilities - 1976 - Brick/Block

Exterior							
Ceiling Voids - Raked Ceiling	No Asbestos Found						
Underfloor Voids	No Asbestos Found						
Eaves Linings	Flat AC Sheeting	50m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
Interior							
B00P - R0001 - Movement - 8.61 m2							
Ceiling Structures/Linings	Flat AC Sheeting	9m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
B00P - R0002 - Movement - 11.3 m2							
Ceiling Structures/Linings	Flat AC Sheeting	12m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
B00P - R0003 - Distribution Board - .67 m2 Note: No inspection of live electrical installation							
Ceiling Structures/Linings	Flat AC Sheeting	1m2	All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
B00P - R0004 - Disabled Toilet - 6.61 m2							
No Asbestos							
B00P - R0007 - Hydrotherapy - Pool - 230.78 m2							
Ceiling Structures/Linings	Flat AC Sheeting	250m2	Pitched ceiling - All surfaces	Good Condition (1)	Low (1)	Low Priority (2-3)	Chrysotile (white asbestos)
B00P - R0008 - Plant - 3.14 m2							
No Asbestos							
B00P - R0009 - Shower/Change - 35.8 m2							
No Asbestos							
B00P - R0010 - Toilet - M - 30.48 m2							
No Asbestos							
B00P - R9001 - Plant - 20.2 m2							
No Asbestos							
B00R - General Learning - 2013 - Brick/Veneer							
Exterior							
Underfloor Voids - Slab on Ground	No Asbestos Found						
Ceiling Voids	No Asbestos Found						
Interior							
B00R - R0001 - External Movement - 127.19 m2							
No Asbestos							
B00R - R0002 - Practical Activities - 1hb - 23.3 m2							
No Asbestos							
B00R - R0003 - Toilets - Boys/Girls - 6.16 m2							
No Asbestos							
B00R - R0004 - Home Base Store - 6.21 m2							
No Asbestos							
B00R - R0005 - Withdrawal Space - 1hb - 9.93 m2							
No Asbestos							
B00R - R0006 - Breakout Area - 17.09 m2							
No Asbestos							
B00R - R0007 - Home Base - 57.34 m2							
No Asbestos							

B00R - R0008 - Cleaning Distributed Store - 3.41 m2	
No Asbestos	
B00R - R0009 - Access Shower/Toilet - Type 2 - 31.49 m2	
No Asbestos	
B00R - R0010 - Plant - 1.87 m2	
No Asbestos	
B00R - R0011 - Home Base Store - 7.18 m2	
No Asbestos	
B00R - R0012 - Breakout Area - 23.54 m2	
No Asbestos	
B00R - R0013 - Withdrawal Space - 1hb - 9.86 m2	
No Asbestos	
B00R - R0014 - Home Base - 57.49 m2	
No Asbestos	
B00R - R0015 - Distribution Board - .67 m2	Note: No inspection of live electrical installation
No Asbestos	
B00R - R0016 - Practical Activities - 1hb - 23.26 m2	
No Asbestos	
B00R - R0017 - Therapy - 25.71 m2	
No Asbestos	
B00R - R0018 - Practical Activities - 1hb - 23.2 m2	
No Asbestos	
B00R - R0019 - Withdrawal Space - 1hb - 9.86 m2	
No Asbestos	
B00R - R0020 - Breakout Area - 23.54 m2	
No Asbestos	
B00R - R0021 - Home Base Store - 6.95 m2	
No Asbestos	
B00R - R0022 - Home Base - 57.86 m2	
No Asbestos	
B00R - R0023 - Change - Type 2 - 18.06 m2	
No Asbestos	
B00R - R0024 - Access Shower/Toilet - Type 2 - 6.62 m2	
No Asbestos	
B00R - R0025 - Laundry - P - 4.66 m2	
No Asbestos	
B00R - R0026 - Access Shower/Toilet - Type 2 - 6.53 m2	
No Asbestos	
B00R - R0027 - Breakout Area - 16.23 m2	
No Asbestos	
B00R - R0028 - Withdrawal Space - 1hb - 9.93 m2	
No Asbestos	
B00R - R0029 - Home Base Store - 7.49 m2	
No Asbestos	
B00R - R0030 - Home Base - 57.87 m2	
No Asbestos	
B00R - R0031 - Distribution Board - .67 m2	Note: No inspection of live electrical installation
No Asbestos	
B00R - R0032 - Practical Activities - 1hb - 23.23 m2	
No Asbestos	
B00R - R0033 - Plant - 4.85 m2	
No Asbestos	

B00T - Building Services - 2013 - Metal Shed

Exterior

Underfloor Voids - Slab on Ground	No Asbestos Found	
Ceiling Voids	No Asbestos Found	

Interior

B00T - R0001 - General Assistant/Bulk Store - 76.72 m2

No Asbestos

B00U - General Learning - 2013 - Brick/Veneer

Exterior

Underfloor Voids - Slab on Ground	No Asbestos Found	
Ceiling Voids	No Asbestos Found	

Interior

B00U - R0001 - External Movement - 128.05 m2

No Asbestos

B00U - R0002 - Practical Activities/Movement - 1hb - 23.89 m2

No Asbestos

B00U - R0003 - Home Base - 56.54 m2

No Asbestos

B00U - R0004 - Breakout Area - 16.45 m2

No Asbestos

B00U - R0005 - Home Base Store - 7.23 m2

No Asbestos

B00U - R0006 - Movement - 14.52 m2

No Asbestos

B00U - R0007 - Access Shower/Toilet/Change - 7.19 m2

No Asbestos

B00U - R0008 - Access Shower/Toilet/Change - 7.24 m2

No Asbestos

B00U - R0009 - Home Base Store - 7.18 m2

No Asbestos

B00U - R0010 - Breakout Area - 23.63 m2

No Asbestos

B00U - R0011 - Withdrawal Space - 1hb - 9.83 m2

No Asbestos

B00U - R0012 - Home Base - 56.47 m2

No Asbestos

B00U - R0013 - Practical Activities/Movement - 1hb - 23.86 m2

No Asbestos

B00U - R0014 - Distribution Board - .69 m2

Note: No inspection of live electrical installation

No Asbestos

B00U - R0015 - Therapy - 25.65 m2

No Asbestos

B00U - R0016 - Practical Activities/Movement - 1hb - 23.2 m2

No Asbestos

B00U - R0017 - Home Base - 57.86 m2

No Asbestos

B00U - R0018 - Withdrawal Space - 1hb - 9.77 m2

No Asbestos

B00U - R0019 - Breakout Area - 23.59 m2		
No Asbestos		
B00U - R0020 - Home Base Store - 7.16 m2		
No Asbestos		
B00U - R0021 - Change - Type 2 - 6.54 m2		
No Asbestos		
B00U - R0022 - Access Shower/Toilet - Type 2 - 6.65 m2		
No Asbestos		
B00U - R0023 - Cleaning Distributed Store - 9.58 m2		
No Asbestos		
B00U - R0024 - Access Shower/Toilet - Type 2 - 6.56 m2		
No Asbestos		
B00U - R0025 - Change - Type 2 - 6.47 m2		
No Asbestos		
B00U - R0026 - Breakout Area - 16.62 m2		
No Asbestos		
B00U - R0027 - Withdrawal Space - 1hb - 9.86 m2		
No Asbestos		
B00U - R0028 - Home Base Store - 12.85 m2		
No Asbestos		
B00U - R0029 - Home Base - 57.78 m2		
No Asbestos		
B00U - R0030 - Practical Activities/Movement - 1hb - 23.27 m2		
No Asbestos		
B00U - R0031 - General Storeroom - .74 m2		
No Asbestos		
B0PA - Support Unit (Tutorial Centre) - 2007 - Fibre Cement Clad		
Exterior		
Underfloor Voids - Slab on Ground	No Asbestos Found	
Ceiling Voids	No Asbestos Found	
Interior		
B0PA - R0001 - Home Base - M - 38.44 m2		
Floor Coverings Res/Textile	No Asbestos Found	
B0PA - R0002 - Seminar/Study - 27.75 m2		
Floor Coverings Res/Textile	No Asbestos Found	
B0PA - R0003 - General Storeroom - 5.54 m2		
Floor Coverings Res/Textile	No Asbestos Found	
B0PA - R0004 - General Storeroom - 5.61 m2		
Floor Coverings Res/Textile	No Asbestos Found	
B0PA - R0005 - Home Base - M - 36.7 m2		
Floor Coverings Res/Textile	No Asbestos Found	
B0PA - R0006 - Toilets - Boys/Girls - 4.39 m2		
No Asbestos		
B0PA - R0007 - Toilet - M - 5.22 m2		
No Asbestos		
B0PA - R0008 - Staff Room Annexe - 18.86 m2		

Floor Coverings Res/Textile	No Asbestos Found	
B0PA - R0009 - Staff Kitchen - 4.31 m2		
No Asbestos		
B0PA - R0010 - Toilet - M - 5.2 m2		
No Asbestos		
B0PA - R0011 - Practical Activities - M - 1hb - 1.74 m2		
No Asbestos		
B0PA - R0012 - External Movement - 60.65 m2		
No Asbestos		

Demountables

There are no Demountable(s) Located at this school as per the AMS records as of 09-Sep-2020