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ASBESTOS: the next national plan

Proactivity, prevention, planning

Workshop 4

Business case and planning for removal

#2018ASEACONF

Australian Government
Asbestos Safety and Eradication Agency

NSW

Thuroona Services

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ASBESTOS: the next national plan

Proactivity, prevention, planning

Welcome

Australian Government
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NSW

Thuroona Services

Return on Investment in WHS

Sebastian Bielen, Director
Data and Evaluation Services
Office of Industrial Relations Queensland

ROI – What is it?

$$\text{ROI} = \frac{\text{benefits}}{\text{costs}}$$

A performance measure that evaluates the efficiency and cost effectiveness of an intervention, which is often used to compare multiple options.

Help answer the perennial questions – “Is it worth it?” or “Which gives the greatest productivity gains

ROI – What has OIR done so far

Health and safety professionals need to be better equipped to perform cost-benefits to suit their business, i.e. capex, opex, valuing benefits.

So, OIR developed an online ROI calculator tool

Currently collecting positive and negative ROI for businesses of all sizes, industries and intervention types.

Also, publishing case studies showcasing ROI of Queensland businesses.

Case study – Ergon Energy

Background

- Ergon Energy, is a regional Queensland electricity distribution and retail company
- Ergon has instituted measures designed to achieve best practice management of asbestos

Intervention

- It has developed a systematic approach to managing asbestos:
  - Single point of accountability
  - Systematic approach to identifying and removing asbestos
  - Ensured removal work done by skilled and reputable contractors
  - Created and maintained detailed registers

Case study – Ergon Energy

- Estimation of costs and benefits were based on preliminary discussions with Ergon and with the Asbestos Safety and Eradication Agency (ASEA).

- While critical assumptions were based on further discussions with Ergon, including
  - asbestos incidents
  - site shutdowns avoided
  - expected remaining life of asbestos at sites

Case study – Ergon Energy

Benefits	*Costs*
Avoided cost of audits every 1 & 5 years at high risk and other sites with asbestos-containing material (respectively)	Asbestos removal and replacement at sites (along with placement of QR codes)
Avoided cost of eventually having to replace asbestos in the future	Risk assessments
Other benefits not quantifiable but to be discussed qualitatively:	Training of staff
Avoided cost of shutdowns (i.e. lost gross value added) due to asbestos issues	
Reduction in absenteeism and staff turnover due to higher morale	
Long-term reduction in asbestos-related diseases	

Case study – Ergon Energy

Items	*Present value ($ million)*
Benefits	
Avoided CAPEX	4.04
Avoided OPEX	4.81
Total benefits	*8.85*
Costs	
CAPEX	10.79
OPEX	0.86
Total costs	*11.66*
Net present value	**-2.81**
Benefit-cost ratio	**0.76**

Case study – Ergon Energy

In terms of quantifiable benefits, Ergon's asbestos management policies assessed in this ROI analysis have a benefit-cost ratio of 0.76, i.e. quantifiable benefits are 76% of costs.

However, this does not include a range of unquantifiable benefits that are expected to be substantial, including:

- improved health and safety outcomes in the long-run including the avoidance of asbestos-related diseases
- avoidance of litigation costs regarding health and safety incidents
- improvement public perception of Ergon as a good corporate citizen
- avoided costs of shutdowns due to asbestos-related incidents

Case study – Ergon Energy

➢Wayne Cullen, Asbestos Manager at Ergon Energy has observed there are significant morale and productivity benefits that have resulted from the removal of asbestos:

> *"There is a cost. There is a monetary cost. However, it's far outweighed by the improvement in productivity, the morale, the culture, the work from the guys. They feel safer; it's a simpler process. It also far outweighs the emotional cost of losing a team member, the costs of workers not feeling safe at work or the monetary cost of litigation and compensation for a worker who is diagnosed with an asbestos-related disease."*

➢To put this into perspective, Ergon Energy has around 4,500 workers. So, to make up for the NPV of -$2.8 million over 20 years, the average annual employee benefit required through greater morale would need to be ONLY an estimated $53 per employee per annum. This is a relatively small amount, less than 0.1 per cent of average weekly earnings, so it is plausible that the morale and productivity benefits could be sufficient to make up for the present value net cost of $2.8 million.

Best practice recommendations– Ergon Energy

- Single point of accountability (to a qualified person)
- Implement higher order controls
- Consultative approach, e.g. with workers and union delegates
- Approach asbestos removal in a systematic manner with well-documented registers
- Management commitment & leadership in implementation

Questions?


ASBESTOS:
the next national plan
Proactivity, prevention, planning

Panel Discussion

@AsbestosSafety Asbestos Safety and Eradication Agency asbestossafety.gov.au/asbestosconference2018

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Business case and planning for removal

Gene Tunny
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Recent reports for ASEA on business cases

- Building the Business Case for the Safe Management and Removal of Asbestos by Local Governments, June 2018
- Building the Business Case for the Safe Management and Removal of Asbestos [by the private sector], February 2018

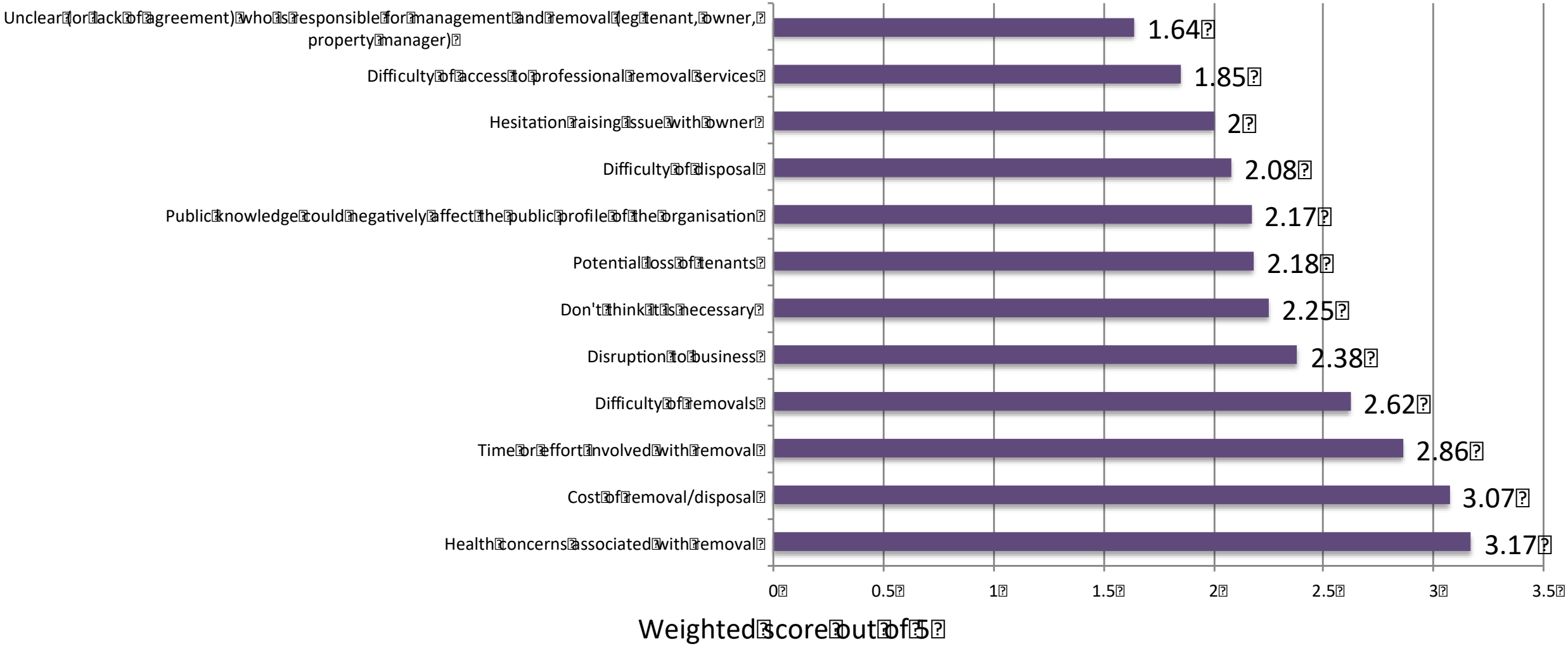
Objective: to understand the factors influencing local gov'ts and businesses in their decisions regarding the management and (early) removal of asbestos

Analysis relied on stakeholder consultations & surveys

Findings of private sector study

- The ultimate cost savings from early asbestos removal may be higher than businesses previously realised, and that in many cases there is a business case and net benefit for early removal.
- That said, significant barriers still exist to the pro-active removal of asbestos by the business sector, particularly for small businesses which are deterred by the significant up-front costs of removal compared with the ongoing benefits of removal.
- N.B. findings based on 31 survey responses and 18 interviews of Australian businesses.

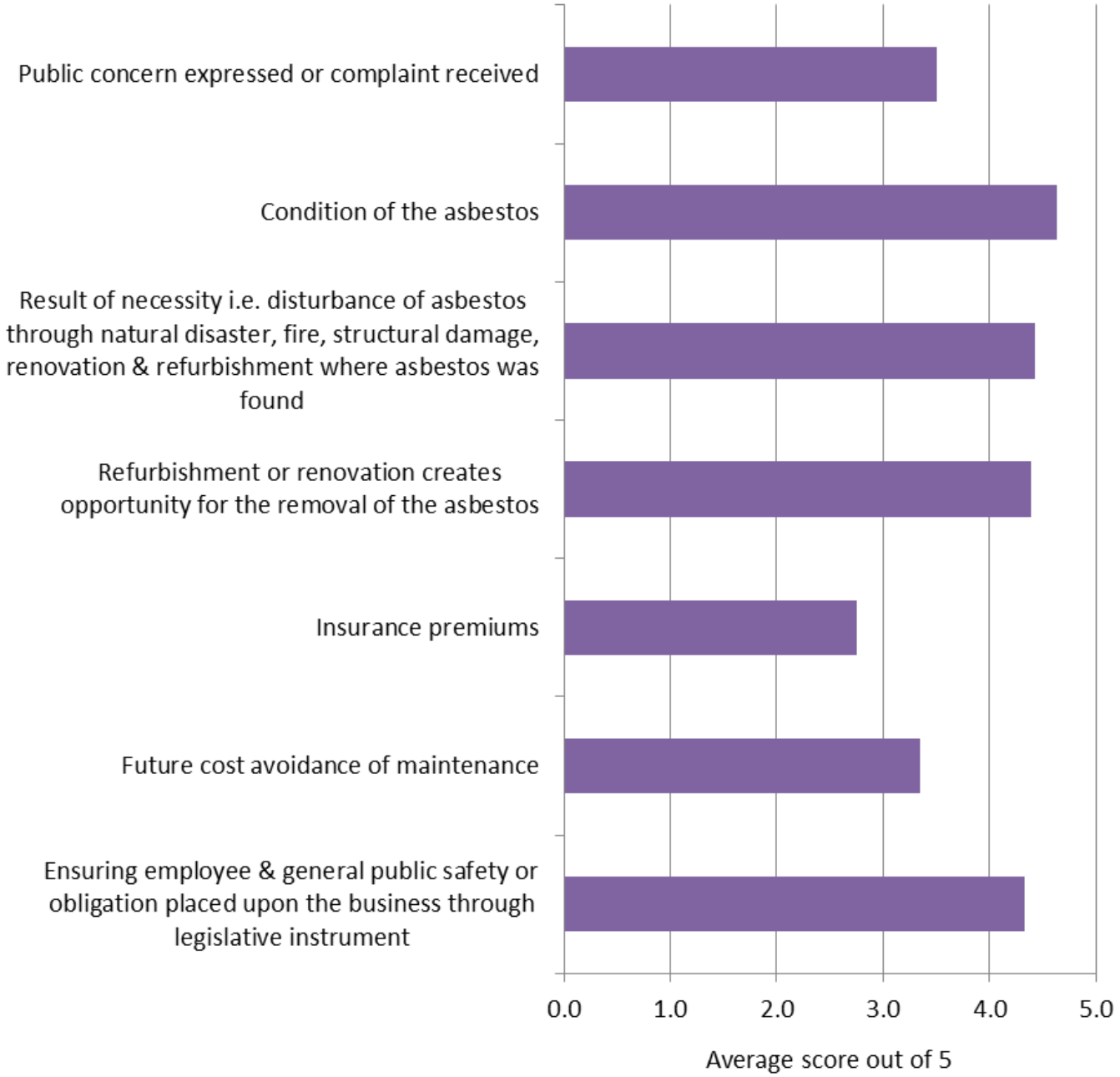
What are the main things that might stop you requesting, recommending, organising or removing asbestos from a building?



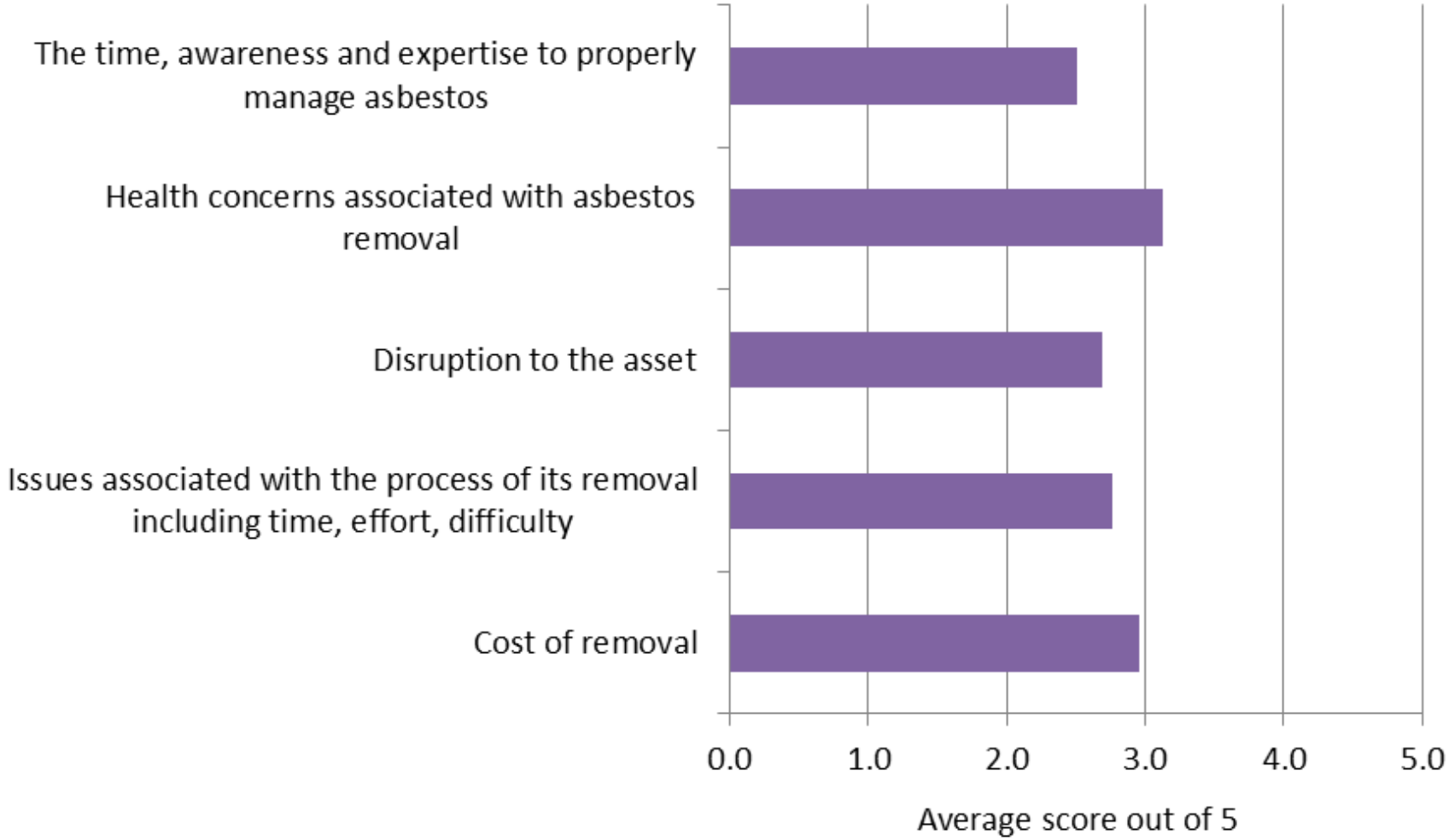
Findings of local government study

- Overall, councils generally appear to be taking a proactive approach to asbestos management and removal.
- That said, financial constraints appear to be limiting the speed of implementation of asbestos removal efforts. Not all councils have asbestos removal programs with their own dedicated funding.
- In some councils, asbestos removal appears to occur only when allowed for by existing building works or building refurbishment budgets, or in response to a natural disaster (e.g. a cyclone).
- Finally, there appears to be some justification for an information campaign aimed at council officers informing them of the long-term work and public health risks of leaving asbestos in council properties, given that these risks do not appear to be fully appreciated by all council asset managers.
- NB findings based on 49 survey responses and 8 interviews.

Factors promoting early removal of asbestos – survey responses



Main factors stopping local governments from removing asbestos found in assets



Factors supporting a business case for early removal

- Avoided cost of audits every 1 & 5 years at high risk and other sites with asbestos-containing material ($60 - $100 per hour)
- Avoided cost of eventually having to replace asbestos in the future (i.e. current cost vs future inflated cost) ($60 - $85 per hour)
- Avoided or reduced cost of maintenance and repair ($70 - $100 per hour)
- Avoided cost of training staff in asbestos risks and management
- Improved value of property
- Enhanced desirability of leasing building (as per council incidence of leasing)
- Likelihood of upgrading in Property Council of Australia ‘Office Building Quality”
- Lower insurance premiums (it can be over 30% cheaper to insure without asbestos)

ROI calculator to provide indicative cost-benefit analysis of early removal

Results

Comparison of estimated cost of early removal of asbestos with estimated benefits in terms of any productivity gains and avoided costs (e.g. lower insurance bills) over 20 years. These results should be treated as indicative only.

	Present value $
COSTS	
Cost of early removal	2,600,000
Less avoided cost of removal in the future	1,596,174
NET COST OF EARLY REMOVAL	**1,003,826**
BENEFITS	
Avoided audit, investigation & asbestos register costs	264,505
Avoided shutdown cost	167,070
Avoided insurance costs	138,991
Productivity gain from asbestos removal	617,739
Reduction in contingent liabilities	1,000,000
TOTAL ESTIMATED BENEFITS/AVOIDED COSTS	**$2,188,305**
Net benefits (+) / Net costs (-)	**$1,184,479**

ESTIMATE PROPERTY VALUE UPLIFT	**$2,000,000**

ROI calculator based on user inputs…

Information about your building
Please tell us about the building you own or manage to help us work out the ROI of early asbestos removal.

	Response
1. When was the building constructed? (if known)	1985
2. If you have an estimated cost ($) for removing asbestos in your building (excl. GST), please insert it here (N.B. IT IS HIGHLY DESIRABLE YOU OBTAIN QUOTES FOR REMOVAL PRIOR TO USING THIS TOOL)	
3. What is the gross floor area (in square metres) of your building?	20,000
4. Approximately how many tonnes of asbestos-containing material would need to be removed? (if known)	400

COST OF ASBESTOS REMOVAL TO BE USED IN ROI CALCULATOR *This cost is either the amount entered as an answer to question 3 or an estimate produced by the ROI calculator based on the GFA of your building. It should be taken as indicative only. It is highly recommended you engage an occupational hygienist to test your site and determine the scope of asbestos removal required before seeking quotes from the market. The cost of asbestos removal is site dependent and can escalate rapidly depending on what techniques need to be applied.*	**$2,600,000**

Next

Avoided future inspection, audit, training & register maintenance costs

Avoided inspection, audit, training and maintaining asbestos register costs

Please tell us about your current approach to inspecting/auditing the asbestos in your building.

	Response
1. Do you periodically inspect or audit the asbestos in your property/properties?	Yes
2. If you answered yes to the above, how many times per year? (if only once every two years, enter 1/2, once every 3 years, enter 1/3, etc)	4
3. If you outsource the inspection/audit, what is the cost ($) each inspection/audit?	$1,000.00
4. How many staff hours would be spent on the inspection/audit each time?	80
5. What is the average annual salary of staff members undertaking inspection/audit work?	$80,000.00
6. How many staff hours per annum would be spent training people regarding asbestos safety? (Include time of both the trainer & trainee)	200
5. What is the average annual salary of staff members undertaking training?	$80,000.00

AVOIDED INSPECTION, AUDIT & TRAINING COSTS PER ANNUM

This is an indicative estimate based on your answers to the questions above.

$34,254.55

Next

Avoided shutdown & emergency asbestos removal costs

Avoided shutdown & emergency asbestos removal costs

Please tell us about whether you have ever experienced a workplace shutdown due to asbestos being found in a property you own/manage.

	Response
1. Over the last five years, how many times have had an unplanned workplace stoppage due to asbestos being found on your property?	5
2. For a typical incidenct, what costs ($) were incurred for any asbestos removal by asbestos removalists?	$10,000.00
3. How many staff hours would be lost for a typical shutdown?	200
4. What is the average annual salary of staff members subject to a shutdown?	$80,000.00

ESTIMATED AVOIDED SHUTDOWN COSTS PER ANNUM

This cost is either the amount entered as an answer to question 3 or an estimate produced by the ROI calculator based on the GFA of your building. It should be taken as indicative only.

$21,636.36

Next

Insurance cost savings

Information about your insurance costs

Please tell us about your insurance costs so the Calculator can estimate your potential savings from the early removal of asbestos. Research suggests insurance bills can be significantly lower in buildings without asbestos.

	Response
1. What is your annual insurance bill for the building you are contemplating removing asbestos from?	$120,000
2. If you have a quote from an insurance company regarding what your new bill would be if you removed asbestos, please enter it here.	

INSURANCE COST SAVINGS PER ANNUM

This saving is either based on the quote you provided from your insurance company or is estimated to be 15% of your current insurance bill. This should be treated as an indicative estimate of the possible savings only. You may need to pro-actively seek a discount from your insurer for removing asbestos from your premises.

$18,000.00

Next

Avoidance of future removal costs

Productivity gains

Information about your refurbishment plans & likely productivity gains
It is highly likely you would need to remove asbestos prior to any refurbishment, so early removal of asbestos may simply be the bringing forward of removal that would occur at a later date anyway. Hence we are interested in your current refurbishment plans. Also, we are interested in your views on whether you would expect any productivity gains from higher morale as a result of asbestos removal?

	Response
1. In how many years's time would you undertake a full refurbishment of your property? (please leave blank if you are unsure)	10
2. What percentage increase in the productivity of your workforce as a result of asbestos removal (e.g. as a result of higher morale, fewer absences, etc) would you consider plausible?	2%
3. What is the annual wages bill for employees in the building you are considering removing asbestos from?	$4,000,000

PRODUCTIVITY GAIN	
Estimated productivity gain	**$80,000**

Next

Elimination of contingent liabilities

Information about any contingent liabilities associated with asbestos
it is possible your business or organisation may have obtained an estimate of the reduction in future legal liabilities that would occur if asbestos were removed. Please include that estimate here. Otherwise, please click GET ROI results" below.

	Response
1. What is the estimated reduction in future legal liabilities that would occur if asbestos were removed?	$1,000,000

Reduction in contingent liabilities	
Estimated reduction in contigent liabilities	**$1,000,000**

Get ROI results

Conclusions

- Businesses and local governments generally trying to do the right thing, but they can be deterred by cost considerations and concerns it may be dangerous to remove asbestos
- This suggests a need for greater guidance on the business case for early removal and the health risks posed by leaving asbestos in place
- ASEA has commissioned the development of an online ROI calculator for use by Australian businesses and government agencies
- This ROI calculator will need to be periodically reviewed and updated based on user feedback

Panel Discussion

@AsbestosSafety Asbestos Safety and Eradication Agency asbestossafety.gov.au/asbestosconference2018

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Tanya Segelov

Principal Lawyer,

Segelov Taylor Lawyers

Panel Discussion

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Business case for removal – a practical view

Samuel Jackson – Thuroona Services

Thuroona Overview – Not just asbestos!

- Class A (Unrestricted) Asbestos – Friable, non-friable
- Class 1 Demolition licence holder – structures, any height
- Hazrad Australia – “All Categories” licence for liquid & packaged controlled waste in WA
  - Removal & transport of products per the Controlled Waste, Dangerous Goods and Radiation Regulations (Including NORMS Testing & Decontamination)
- Full work includes:
  - Hazardous material removal, friable asbestos, chemical decontamination, clandestine laboratory testing/remediation, lead, mould, radioactive transport, storage and disposal.
  - Project management and technical advice
- Other specialised work
  - Remediation for Department of Defence Divestment –
    - Environmental investigation & heavy metal decontam
    - Ordnance remediation

Real costs

- Direct Financial Impact (removal costs)
- Indirect Financial Impact (Downtime to production, business needs to shut down for remediation, customer perceptions)
- Emotional Impact to homeowners and employees
- Clean-up Notices from regulators
- Fines / infringement notices
- Impact to Shareholders
- Community groups want “action” (i.e. School P&C’s, Teachers)
- Project impacts (Key infrastructure costs delays and contractor stand-down)
- Increase in waste disposal fees year on year

Hot Potato: Who is responsible?

- Work out now – don’t wait for an emergency

Asbestos found at Perth primary school deemed low health risk

News Corp Australia
July 20, 2016 7:37PM

TOPICS Health+Medicine News

OLD building materials containing asbestos that were found on the grounds of a Perth primary school have been deemed a very low risk to health.

West Australian Department of Education spokesman John Fischer said an environmental consultant assessed materials on surface soil at Gooseberry Hill Primary School and his advice had been endorsed by the Department of Health.

Mr Fischer said the low level of asbestos detected in the soil did not require the area to be sealed, but had been covered with compacted gravel as a precaution.

Parents had also tested the materials and the results would be passed on to an independent auditor, the department said.

Sire of Kalamunda president Andrew Waddell said the council had also undertaken testing and was advised the asbestos was low risk, but a final report was yet to be completed.

“It’s well bonded, so it’s not friable. And the air quality as well is not showing any evidence of any fibres,” he told ABC radio on Wednesday.

“That doesn’t mean we’re not taking it deadly seriously - we are - and we’re going to continue to ensure that it’s removed.”

Mr Waddell said concerned parents had alerted the council after seeing large amounts of asbestos out in the open - and 300kg had been removed over a 20-hectare area in the past month.

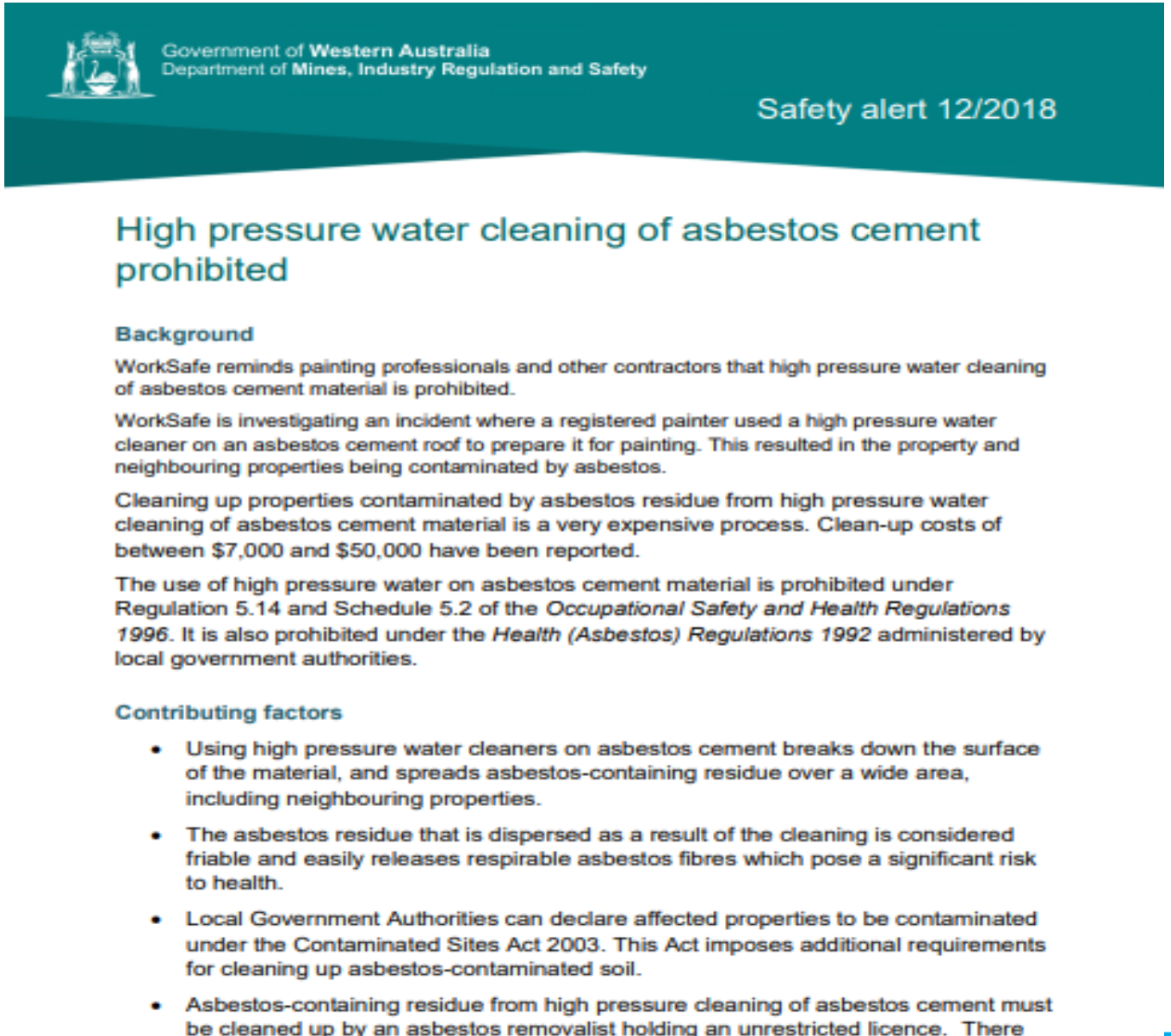
The asbestos was illegally dumped in the area up to 50 years ago and subsidence had brought it to the surface, he said.

“There is a small hot spot near the back of the school oval and I think that’s the area most people are concerned about, and there’s where we put a great deal of our attention.”

Now in to the Action…

Worksafe Western Australia Safety Alert 12/2018 issued November 2018
(**Yes the date is correct! 2018 - not 1988**)

Why ?
Site 1 – South Perth
Site 2 – Rockingham
Site 3 – Kalgoorlie
Several Others….



Government of Western Australia
Department of Mines, Industry Regulation and Safety

Safety alert 12/2018

High pressure water cleaning of asbestos cement prohibited

Background

WorkSafe reminds painting professionals and other contractors that high pressure water cleaning of asbestos cement material is prohibited.

WorkSafe is investigating an incident where a registered painter used a high pressure water cleaner on an asbestos cement roof to prepare it for painting. This resulted in the property and neighbouring properties being contaminated by asbestos.

Cleaning up properties contaminated by asbestos residue from high pressure water cleaning of asbestos cement material is a very expensive process. Clean-up costs of between $7,000 and $50,000 have been reported.

The use of high pressure water on asbestos cement material is prohibited under Regulation 5.14 and Schedule 5.2 of the *Occupational Safety and Health Regulations 1996*. It is also prohibited under the *Health (Asbestos) Regulations 1992* administered by local government authorities.

Contributing factors

- Using high pressure water cleaners on asbestos cement breaks down the surface of the material, and spreads asbestos-containing residue over a wide area, including neighbouring properties.
- The asbestos residue that is dispersed as a result of the cleaning is considered friable and easily releases respirable asbestos fibres which pose a significant risk to health.
- Local Government Authorities can declare affected properties to be contaminated under the Contaminated Sites Act 2003. This Act imposes additional requirements for cleaning up asbestos-contaminated soil.
- Asbestos-containing residue from high pressure cleaning of asbestos cement must be cleaned up by an asbestos removalist holding an unrestricted licence. There are also requirements for collection and testing of samples from affected areas to ensure affected properties have been adequately cleaned up.
- Workers engaged to paint asbestos cement surfaces may have been inadequately trained in identification of asbestos containing materials and appropriate safe work methods for cleaning and painting such materials.

Standard 5m x 3m Garden Shed – Looks Great, Maybe it just needs a coat of paint before selling the house, the only problem ……..

Emergency Callout 6pm on Thursday evening after neighbouring property owner notified Council about a “situation”

Notice something wrong?

Heavy Amosite and Chrysotile Contamination from high pressure water blasting

Site 1 Example – Emergency Callout 6pm on Thursday evening after neighbouring property owner notified council about situation

PURCHASE ORDER: [redacted]

APPROVALS: [redacted]

NATA
WORLD RECOGNISED ACCREDITATION
Accredited for compliance with ISO/IEC 17025
NATA Accreditation No. 2377

SAMPLING COMMENTS:

This report is issued by [redacted]
Samples are analysed on an "as received" basis

METHOD:

ASBID — Qualitative identification of fibre type in bulk samples by Stereo Microscope Examination and Polarised Light Microscopy, including Dispersion Staining, using [redacted]n-house method ASBID and in accordance with AS4964-2004.

Sample Number	Sample Description	Sample Type	Approx. Sample Weight (g)	Asbestos in Bulk Sample
18-10394-1	[redacted]	Tape Test	NA	Chrysotile Asbestos Detected Organic Fibres Detected
18-10394-2		Tape Test	NA	No Asbestos Detected Organic Fibres Detected
18-10394-3		Leafs	2.6	Chrysotile Asbestos Detected Amosite Asbestos Detected Organic Fibres Detected
18-10394-4		Leafs	0.9	Chrysotile Asbestos Detected Amosite Asbestos Detected Organic Fibres Detected
18-10394-5		Leafs	1.3	Chrysotile Asbestos Detected Amosite Asbestos Detected Organic Fibres Detected

[redacted]

Page 1 of 2

Government of **Western Australia**
Department of **Mines, Industry Regulation and Safety**

WORKSAFE

Our Ref: WS0693/2018
Enquiries: Leona Ayton 6251 2211
Leona.ayton@dmirs.wa.gov.au

Mr Samuel Jackson
Thuroona Services Pty Ltd
Unit 6/ 34 Barberry way
BIBRA LAKE WA 6163

Email: Samuel@thuroonaservices.com.au

Dear Mr Jackson

REQUEST FOR EXEMPTION

I refer to your correspondence of 12 July 2018, requesting an exemption from Regulation 5.45(1)(b)(ii) of the Occupational Safety and Health Regulations 1996 (the OSH Regulations) in relation to condition number 2 on your unrestricted asbestos licence No WA 184, which requires that you give seven days prior notification in the approved form of the commencement date to remove friable asbestos material from a building or structure.

After considering the circumstances surrounding your request, I advise that in this instance an exemption is not necessary as I accept the notification you have provided about the removal of material classified as friable asbestos as sufficient notification of the commencement of proposed work from the following addresses:

[redacted]

This advice does not diminish the requirement for Thuroona Services Pty Ltd to comply with all unrestricted asbestos licence conditions in the future.

Yours sincerely

Ian Munns
WorkSafe Western Australia Commissioner

NSW

Thuroona Services

CREATING AN ASBESTOS-FREE AUSTRALIA

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The Case for Removal – actual costs of this case

- Remove domestic garden shed **BEFORE** high pressure blasting:
  - Non-friable(bonded) Class B (restricted) licence holder
  - Estimate: Class B – $3,700
    including waste disposal

- Remove domestic garden shed **AFTER** pressure blasting:
  - Decontamination of 4 properties
  - Friable Class A (unrestricted) licence holder
  - Actual: Class A - $54,220
    - plus Hygienist sampling and clearance costs
- Indirect Costs (Council, Dept of Heath, Worksafe, Alternative rental for occupant) - $13,700
- **Total Friable Removal Cost = $67,920**
- Difference: Cost A(bonded) vs Cost B(friable) = **Negative - $64,220**

- Total claimed on homeowners insurance… = $0.00
  …Asbestos contamination
  not covered by homeowners policy…

Bonus Snapshot - Anyone Know of a place called Wittenoom ?

- 2006 - Officially closed and declared a contaminated sited in 2006
- Legacy exists over 200+kms away from the mine: The Roebourne-Wittenoom Road
    - Transportation of 100lb bags/sacks to Point Sampson (port).

During those trips,
many ‘sacks’
did not make it
to port.

Thuroona Services – Remediation & Public Health Exposure Simulation Works March 2018 (More information to be made public in 2019)

WA Today News Link

https://thewest.com.au/news/regional/asbestos-delays-karratha-tom-price-road-seal-ng-b88975654z

Need to download video and have ready to play

Pilbara NEWS NORTH WEST Telegraph

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Pilbara road funding, safety questioned after asbestos delay

Shannon Beattie and Tom Zaunmayr
Wednesday, 3 October 2018 8:00AM

Karratha to Tom Price Road. Picture: Tom Zaunmayr.

Construction of stage three of the Karratha to Tom Price Road project will be delayed by months after the State Government admitted there was extensive asbestos contamination in the area.

The *Pilbara News* first reported Main Roads had been informed of an asbestos contamination in June, 2017, but in a statement last week the Department of Planning, Lands and Heritage said it did not realise its full extent.

North West Central MLA Vince Catania said the State Government should have seen this coming.

"It was reported 15 months ago, asbestos was carted out of Wittenoom 50 years ago, surely there was an understanding there would be asbestos in the road, around the road, and in that area," he said.

"This throws into doubt the amount of money actually needed to seal the whole road.

"The government should be starting to ensure the rest of the road is cleared of asbestos for any future sealing."

These remediation works are still underway today by our Pilbara Operations Team.

News

Poor condition of Roebourne-Wittenoom Road

Nov 07 2018

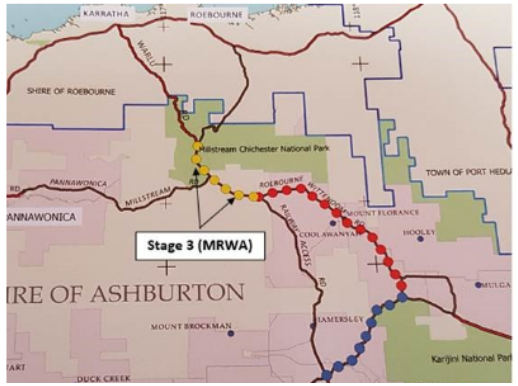
As you may have seen in the media recently, the State Government has delayed the sealing of Stage 3 of the Roebourne-Wittenoom Road, most commonly referred to as the Tom Price to Karratha Road, due to asbestos concerns. Currently the Shire of Ashburton has responsibility for this road, and due to the asbestos concerns identified by the State Government and instructions from Worksafe, the road cannot be graded or maintained so its condition has worsened considerably.

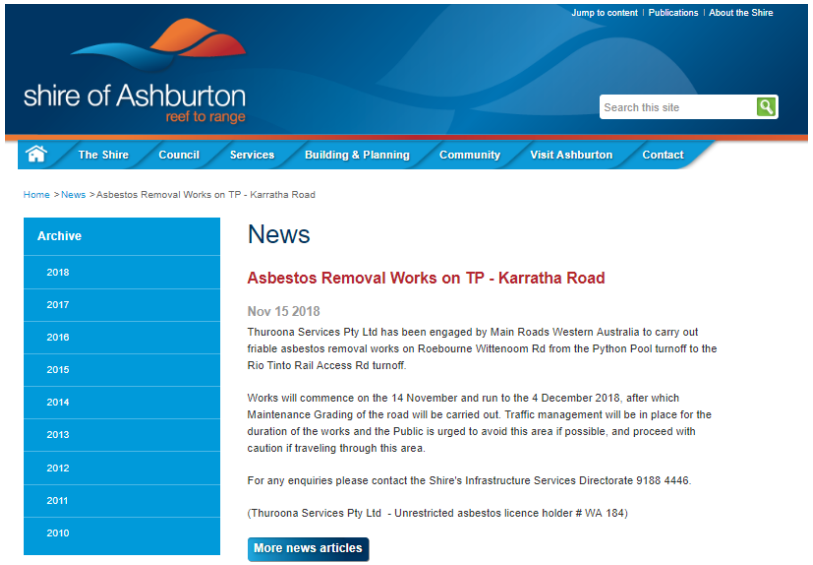
Earlier this year the Shire was advised by Worksafe to cease all staff operations on this road until a suitable asbestos management plan was in place. As a result, the Shire has held extensive discussions with the State Government as the issue requires a 'whole of government approach' in order to be properly addressed and rectified.

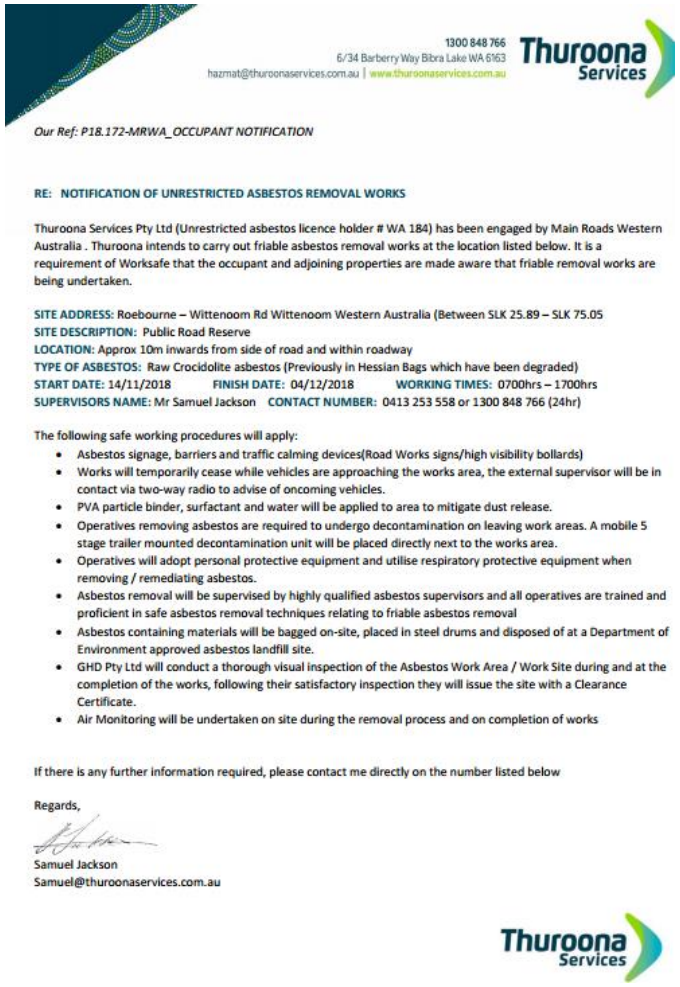
To date, the State has committed to sealing the next stage of the Karratha- Tom Price Road (Stage 3) which follows the Roebourne-Wittenoom Road alignment from the end of the existing seal (Python Pool Turnoff) to the Rio Tinto rail crossing. It is anticipated that these works will be complete in October 2019.

In recognition of the delay to this project, Main Roads has agreed to undertake maintenance of the Stage 3 section of road after they have completed the asbestos management plans and approvals for the program of works. This will not likely occur until December 2018.

Given the extremely poor state of this section of road, the Shire strongly urges travelers to avoid the use of this road until a viable solution for interim maintenance can be implemented.







1300 848 766
6/34 Barberry Way Bibra Lake WA 6163
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Thuroona Services

Our Ref: P18.172-MRWA_OCCUPANT NOTIFICATION

RE: NOTIFICATION OF UNRESTRICTED ASBESTOS REMOVAL WORKS

Thuroona Services Pty Ltd (Unrestricted asbestos licence holder # WA 184) has been engaged by Main Roads Western Australia . Thuroona intends to carry out friable asbestos removal works at the location listed below. It is a requirement of Worksafe that the occupant and adjoining properties are made aware that friable removal works are being undertaken.

SITE ADDRESS: Roebourne – Wittenoom Rd Wittenoom Western Australia (Between SLK 25.89 – SLK 75.05
SITE DESCRIPTION: Public Road Reserve
LOCATION: Approx 10m inwards from side of road and within roadway
TYPE OF ASBESTOS: Raw Crocidolite asbestos (Previously in Hessian Bags which have been degraded)
START DATE: 14/11/2018 **FINISH DATE:** 04/12/2018 **WORKING TIMES:** 0700hrs – 1700hrs
SUPERVISORS NAME: Mr Samuel Jackson **CONTACT NUMBER:** 0413 253 558 or 1300 848 766 (24hr)

The following safe working procedures will apply:

- Asbestos signage, barriers and traffic calming devices(Road Works signs/high visibility bollards)
- Works will temporarily cease while vehicles are approaching the works area, the external supervisor will be in contact via two-way radio to advise of oncoming vehicles.
- PVA particle binder, surfactant and water will be applied to area to mitigate dust release.
- Operatives removing asbestos are required to undergo decontamination on leaving work areas. A mobile 5 stage trailer mounted decontamination unit will be placed directly next to the works area.
- Operatives will adopt personal protective equipment and utilise respiratory protective equipment when removing / remediating asbestos.
- Asbestos removal will be supervised by highly qualified asbestos supervisors and all operatives are trained and proficient in safe asbestos removal techniques relating to friable asbestos removal
- Asbestos containing materials will be bagged on-site, placed in steel drums and disposed of at a Department of Environment approved asbestos landfill site.
- GHD Pty Ltd will conduct a thorough visual inspection of the Asbestos Work Area / Work Site during and at the completion of the works, following their satisfactory inspection they will issue the site with a Clearance Certificate.
- Air Monitoring will be undertaken on site during the removal process and on completion of works

If there is any further information required, please contact me directly on the number listed below

Regards,

Samuel Jackson
Samuel@thuroonaservices.com.au

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ASBESTOS:
the next national plan
Proactivity, prevention, planning

NSW

Thuroona Services

CREATING AN ASBESTOS-FREE AUSTRALIA

asbestossafety.gov.au/asbestosconference2018

ASBESTOS:
the next national plan

Proactivity, prevention, planning

Panel Discussion

@AsbestosSafety Asbestos Safety and Eradication Agency asbestossafety.gov.au/asbestosconference2018

ASBESTOS: the next national plan

Proactivity, prevention, planning

Workshop 4

Business case and planning for removal

#2018ASEACONF

Australian Government
Asbestos Safety and Eradication Agency

NSW

Thuroona Services