

## Environmental Management Plan

- Assess risks in work are before commencement of activities (review SWMS's as required and Stay Safe Card)
- Complete prestart / awareness checklist (Daily Site Sign on)
- Set up three zones as detailed below:
- Outer Exclusion zone
- An outer perimeter/exclusion zone to be established 1m offset where practical from the inner ACM Removal Zone. This zone to be delineated by either: red & white / tigertail barrier tape or para webbing stretched between large 700mm traffic cones; or bollards
- ACM Removal & Bagging Area
- Hard barrier (Pit guards or equivalent) must be set up on the outside of the ACM Removal Area and Decontamination Zone. Signage saying 'Danger Asbestos Removal in Progress' shall be installed once removalist(s) enter work area to begin removal activities. Signs must remain in place until all ACM bags are sealed and all workers have completed decontamination.
- Decontamination Area
- A decontamination area separate to the ACM removal area to be established using barrier tape (preferably) or pit guard for the removalist(s) to fit PPE/ suit up and once done, dis-robe and decontaminate. Area to have an appropriately sized 200um plastic drop sheet.
- Removalist worker(s) shall wear all prescribed PPE in accordance with the legislation, including:
- Disposable coveralls Cat 3 type 5 or equivalent
- PVC Gloves or Disposable latex, nitrile gloves
- Gumboots or lace less safety boots
- P2 Disposable mask or respirator
- AS/NZS 1715 & 1716:2009 Selection, Use & Maintenance of Respiratory Protective Devices.
- The ankle and wrists of the coveralls will be taped to the boots and gloves to create a seal. Ankle cuffs of suit NOT to be tucked into the gumboots.
- All persons using a respirator or P2 mask MUST be clean shaven.
- ACM Handling procedure within ACM Removal Area
- Thoroughly wet down both inside and outside surfaces of the ACM pit using a spray bottle.
- Continuously spray water or PVA solution to suppress asbestos fibres, especially along broken exposed edges.
- Only non-friable (bonded) asbestos is to be removed. If friable asbestos is encountered, stop work immediately and inform the Supervisor.
- Consider wrapping larger pieces of ACM in 200-micron plastic. Double wrap and seal all seams with adhesive tape. Ensure correct manual handling technique is used when lifting.
- Only hand tools are to be used, NO power tools. Break only ACM pieces small enough to fit into asbestos bag. Tools shall include:
- Digging bar or shovel, lever the pit/pipe wall from the outside.
- Ball peen hammer, strike the pit/pipe wall from the outside whenever possible to minimise the risk of contamination around the nearby area.
- When docking ACM pipe, entire cut surface is to be sealed with spray paint or blue glue.
- All asbestos removed is to be placed in doubled ACM bags. When full, spray inside contents to minimise the risk of dust and then goose neck (fold over at the end) the inner bag and duct tape closed. Follow the same process for the outer bag.
- Asbestos bags must be labelled with the following statement:
  - "Caution – Asbestos. Do Not Open or Break Bag. Do Not Inhale Dust"
  - ACM bags are to be marked with:
  - Date
  - Address of removal
  - Numerical Number (Bag 1 of)
  - SAM
  - Type of removal i.e. pit/pipe
  - Transport Certificate Number
- Conduct a final clearance inspection for any remaining visible ACM debris by scraping the immediate area below the pit to a depth of approximately 20 mm, any soil still contaminated is to be disposed of as ACM.
- Bags are not to be overfilled
- Do not use high-pressure water blast directly on any ACM material.
- Remove poly sheeting from the excavation by lightly spraying sheeting with water and carefully fold, capturing any ACM debris.
- Place sheeting into either the wrapped and sealed poly sheeting or asbestos disposal bag.
- On completion of pit removal, inspect or sift remaining soil until clear of ACM fibres or debris.
- Any soil still contaminated must be bagged and disposed of as ACM.
- All double bags that have been goose necked must be wet wiped prior to being removed from the contaminated zone.

- Never leave the asbestos removal work area until decontamination is complete and Asbestos Signs removed.
- Take photos of the area
- Ensure all waste materials are suitably contained & not damaged in-transit.
- Bags not to be dragged along the ground
- All contaminated materials to be removed from site and disposed of at an appropriately licensed facility.
- All asbestos must be removed from site before the end of the shift.
- A tracking register is to be held at the ACM contractor's storage facility and will record all incoming ACM. Register to detail the following:
  - Date Received
  - Origin of ACM
  - Quantity (No of Bags)
- The register will also include information about transferring ACM waste to disposal facility.
- When transporting ACM waste, the bags must be completely covered before travel.