

SJD ELECTRICAL PTY LTD - ABN 53 127 802 608 - ACN 127 802 608 - ELECTRICAL LICENCE 68608 - QBCC LICENCE 1270514 - ARC LICENCE AU19801 - MOLEX LICENCE CIAU3372

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|--|--|-----------------------|----------------------------------|
| Safe Work Method Statement Title: SWMS:034 MINOR WORK ON ASBESTOS CONTAINING MATERIAL | | | Date Created: 00/00/16 |
| Project Name: | Person responsible for ensuring compliance with this SWMS: | | Review Date: 00/00/17 |
| Project/Client: | Job No: | Authorised By: | Revision No. 0 |

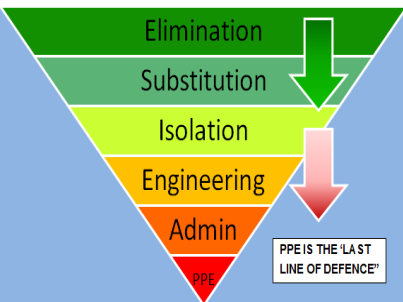
Licences, Permits, Competencies Required: *(tick items relevant to this task and site)*

| | | | | |
|---|--|---|---|---|
| <input type="checkbox"/> Confined Space | <input type="checkbox"/> Work at Heights | <input type="checkbox"/> Excavation | <input type="checkbox"/> Hot Work | <input type="checkbox"/> Radiation |
| <input type="checkbox"/> White Card | <input type="checkbox"/> EWP | <input type="checkbox"/> Electrical License | <input type="checkbox"/> Rescue and Resuscitation | <input type="checkbox"/> Network Access |













Common Hazards to Manage: *(tick items relevant to this task and site)*

| | | | | |
|--|---|---|---|---------------------------------------|
| <input type="checkbox"/> Manual handling | <input type="checkbox"/> Working at Heights | <input type="checkbox"/> Risk of Electric Shock | <input type="checkbox"/> Slips, Trips and Falls | <input type="checkbox"/> Housekeeping |
|--|---|---|---|---------------------------------------|

| HAZARD CLASSIFICATION MATRIX POSSIBLE RESULTS Risk = Consequence x Likelihood | | | Probability | | | | |
|---|---------------|---|-------------|---------------|---------------|-------------|---------------------|
| | | | RARE A | UNLIKELY B | POSSIBLE C | LIKELY D | ALMOST CERTAIN E |
| | | | | | | | |
| Consequences | Catastrophic | 5 | Medium (M) | High (H) | High (H) | Extreme (E) | Extreme (E) |
| | Major | 4 | Medium (M) | Medium (M) | High (H) | High (H) | Extreme (E) |
| | Moderate | 3 | Low (L) | Medium (M) | High (H) | High (H) | High (H) |
| | Minor | 2 | Low (L) | Low (L) | Medium (M) | Medium (M) | High (H) |
| | Insignificant | 1 | Low (L) | Low (L) | Low (L) | Medium (M) | Medium (M) |



| RISK RATING | ACTION REQUIRED (ALARP – As Low As Reasonably Practicable) |
|---|---|
| E = Extreme, UNACCEPTABLE | Intolerable risk. Activity must not be undertaken prior to Management / CEO review of potential risk mitigation measures and a decision that risk is ALARP |
| H = High risk, Only acceptable if ALARP | Implement strict control measures to reduce risk to an acceptable level. Activity must not continue until the level of risk is reduced to As Low As Reasonably Practicable (ALARP) and preferably Medium rating. Operations Manager and/or Project Supervisor approval of the risk controls is required. |
| M = Medium risk Undesirable | Specify, document and implement existing risk controls and additional management actions to reduce the risk to ALARP and <u>preferably Low rating</u> . Activity must not continue without Operations Manager and/or Project Supervisor approval. |
| L = Low risk, Tolerable | Tolerable risk. Carry out activity |

| | | | | | | | | | | | | |
|----------------------|---|---|---|---|--|---|---|---|---|---|---|---|
| Basic PPE to be used |  |  |  |  |  |  |  |  |  |  |  |  |
| | ✓ app | | | | | | | | | | | |
| Other PPE: | | | | | | | | | | | | |

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|---|--|-------------|
| SWMS No 034 | <p style="text-align: center;">SJD Electrical</p> <p style="text-align: center;">Job Safety Analysis / Safe Work Method Statement</p> | Page 2 of 8 |
| Safe Work Method Statement Title: SWMS: 034 MINOR WORK ON ASBESTOS CONTAINING MATERIAL | | |

| Job Task # | Job Step | Potential Health, Safety and Environmental Hazards | PROBABILITY | CONSEQUENCE | RATING | Control Measures | PROBABILITY | CONSEQUENCE | RATING | PERSON(S) RESPONSIBLE |
|------------|--------------------------|--|-------------|-------------|--------|---|-------------|-------------|--------|---|
| 1 | Planning and preparation | Non-compliance with current legislative requirements and company processes. | D | 4 | H | <p>All personnel to complete site specific induction.</p> <p>All personnel to have completed company specific induction.</p> <p>Personnel are to hold the required licenses and certificates for the work, and be assessed as competent to use or operate equipment and plant.</p> <p>All personnel must read, understand and sign off on this SWMS. All personnel are given the opportunity to provide input into the content of this SWMS.</p> <p>Daily pre-starts will be held at the beginning of each shift.</p> <p>Any changes throughout the shift will be communicated prior to the commencement of the next task.</p> <p>A JSA is to be completed for any changes to the task.</p> <p>Ensure permit requirements are understood.</p> | B | 4 | M | <p>Work crew</p> <p>Supervisor</p> <p>Permit Holder</p> |
| | | <p>Working outdoors with exposure to;</p> <ul style="list-style-type: none"> UV / high temperatures causing heat stress / dehydration / sunburn Fauna and insects causing bites and stings | D | 3 | H | <p>'Check ins' during extreme weather conditions.</p> <p>Comply with the Queensland Worksafe heat stress procedure.</p> <p>Ensure there is an area in the shade for rest (preferably Crib Facilities).</p> <p>Work Breaks are compulsory at nominated times (preferably during the hotter parts of the day)</p> <p>Drink adequate water amount of water.</p> <p>Use sun block for protection from sun.</p> <p>Use insect repellent (if applicable).</p> | B | 3 | M | Work crew |
| | | <p>Interactions with other trades working in the vicinity;</p> <ul style="list-style-type: none"> Inadvertently cause hazardous situation including trips, slips, falls | D | 3 | L | <p>Ensure other workers are informed and aware of all other trades working in the area</p> <p>Communicate potential interactions during prestart</p> | B | 3 | M | <p>Supervisor</p> <p>Work Crew</p> |

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|------------|-----------------------|--|-------------|-------------|--------|---|-------------|-------------|--------|-------------------------|
| | | Unauthorized access to work area by other authorized personnel without correct PPE. | D | 3 | H | <p>Follow all site rules and procedures.</p> <p>Wear all mandatory PPE and task specific PPE.</p> <p>If a hazard is identified in the work area – fix it immediately or if unable to do so, isolate the hazard and inform your supervisor immediately.</p> <p>Site wide barricading to be installed to restrict access to unauthorized personnel.</p> <p>Signage to be visible around all site and at all access points.</p> <p>All visitors must report to site office before entering site.</p> <p>All visitors to be escorted by a site inducted personnel member.</p> | B | 3 | M | Supervisor Work crew |
| | | <p>Poor ground conditions</p> <p>Uneven, loose, wet or soft ground at the work site.</p> | C | 2 | H | <p>Authority and empowerment to Stop the Job.</p> <p>Ensure correct manual handling techniques are followed.</p> <p>Wear all mandatory PPE and task specific PPE.</p> <p>Inspect path of travel for any obstructions and remove them.</p> <p>Daily site inspections prior to commencement of work activities and at the conclusion of each work day.</p> <p>Regular housekeeping inspections including regular walk rounds to be conducted to ensure a clean and tidy work area.</p> | B | 2 | M | Work crew |
| 2 | Work area preparation | <p>Personal injury -</p> <ul style="list-style-type: none"> - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (depends on surrounds – these tasks should not cause dust or fumes) | C | 3 | H | <p>Authority and empowerment to Stop the Job.</p> <p>Follow all site rules and procedures.</p> <p>Ensure correct manual handling techniques are followed.</p> <p>Wear all mandatory PPE and task specific PPE.</p> <p>Communicate task clearly with all work crew members. Ensure a thorough understanding of expectations.</p> <p>If a hazard is identified in the work area – fix it immediately or if unable to do so, isolate the hazard and inform you supervisor.</p> <p>Work on flat surface where practicable</p> <p>Secure all tools and/or equipment by lanyard or store in a toolbox/basket when on the work platform.</p> | B | 3 | M | Work crew Supervisor |

| Job Task # | Job Step | Potential Health, Safety and Environmental Hazards | PROBABILITY | CONSEQUENCE | RATING | Control Measures | PROBABILITY | CONSEQUENCE | RATING | PERSON(S) RESPONSIBLE |
|------------|--|---|-------------|-------------|--------|--|-------------|-------------|--------|-----------------------|
| 3 | Using HEPA filter vacuum cleaner | Personal injury – <ul style="list-style-type: none"> - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (exposure to asbestos fibres) | C | 3 | H | Authority and empowerment to Stop the Job. Ensure correct manual handling techniques are followed. Wear all mandatory PPE and task specific PPE. Remove any extraneous dust that might contain asbestos (HEPA vacuum and wet wipe). Ensure that the ACM is not breaking down and becoming powdery, if so it needs to be removed by a licensed person or stabilised / sealed before work proceeds. License is required to remove asbestos over 10m2 per regulation. | B | 3 | M | Work crew |
| 4 | Use wet cloth for cleaning | Personal injury – <ul style="list-style-type: none"> - Possible eye injury - Dust inhalation (exposure to asbestos fibres) | D | 4 | H | Authority and empowerment to Stop the Job. Ensure correct manual handling techniques are followed. Wear all mandatory PPE and task specific PPE. HEPA vacuum preferred in electrical environment. Ensure electrical equipment in the work area is de-energised. Ensure wetted surfaces will not cause electrical tracking. Wet rag to be damp, not dripping, and dispose rags as ACM after use. Ensure dry before reenergising. | B | 4 | M | Work crew |
| 5 | Drilling and cutting ACMs (foam capture) | Personal injury – <ul style="list-style-type: none"> - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (exposure to asbestos fibres) | D | 4 | H | Authority and empowerment to Stop the Job. Ensure correct manual handling techniques are followed. Wear all mandatory PPE and task specific PPE. Tape hole site and liberally apply shaving foam direct to surface or in drilling cup (both sides where possible). Use slow speed twist drill to drill through ACM. Clean hole site and drill with damp rag. Dispose of rag and tape as ACM waste. Seal cut surfaces with silicon or acrylic paint. Install protective sleeve where appropriate. | B | 4 | M | Work crew |

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|------------|---|---|-------------|-------------|--------|---|-------------|-------------|--------|-------------------------|
| | | Personal injury due to contact with live parts | C | 4 | H | <p>Obtain work approval and confirm any client site/safety instruction.</p> <p>Check scope of works to confirm whether work be re-scheduled so it may be isolated.</p> <p>Confirm with client that works meet the requirements regarding work on energised equipment and apparatus and the risk of harm would be greater if the circuits were de-energised before work commenced.</p> <p>Confirm that person/s carrying out the work are appropriately qualified, competent, confident and trained for the task.</p> | B | 4 | M | Work crew Supervisor |
| 6 | Drilling and cutting ACMs (shadow vacuum capture) | Personal injury – <ul style="list-style-type: none"> - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (exposure to asbestos fibres) | D | 4 | H | <p>Authority and empowerment to Stop the Job.</p> <p>Ensure correct manual handling techniques are followed.</p> <p>Wear all mandatory PPE and task specific PPE.</p> <p>A dust mask must be used.</p> <p>Hold cup firmly against surface whilst drilling.</p> <p>Follow decontamination, waste handling below</p> <ul style="list-style-type: none"> • Tape hole site (both sides where possible) • Place HEPA vacuum head at drill site retain in position whilst drilling so that vacuum collects dust • Use slow speed twist drill or cutting tool • Clean hole site and drill (or cutting tool) with vacuum and then damp rag • Remove tape • Dispose of rag and tape as ACM waste • Seal cut surfaces with silicon or acrylic paint • Install protective sleeve where appropriate | B | 4 | M | Work crew |
| 7 | Removal of bonded ACM (less than 102m). | Personal injury – <ul style="list-style-type: none"> - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (exposure to asbestos fibres) | C | 4 | H | <p>Authority and empowerment to Stop the Job.</p> <p>Ensure correct manual handling techniques are followed.</p> <p>Wear all mandatory PPE and task specific PPE.</p> <p>A dust mask must be used.</p> | B | 4 | M | Work crew |

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|------------|---|---|-------------|-------------|--------|--|-------------|-------------|--------|-----------------------|
| 8 | Decontamination, waste handling, bagging and disposal | Personal injury – <ul style="list-style-type: none"> - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (exposure to asbestos fibres) | C | 4 | H | Retain PPE in place until all asbestos work with exposure risk is complete Clean area and equipment thoroughly using damp rag Use HEPA filter vacuum to collect extraneous dust Place debris, used rags, other contaminated materials in asbestos waste bags/containers Only half fill bags Twist neck of bag tightly, fold neck over and tape Wet wipe external surfaces of bags/containers to remove dust Double bag the waste immediately when outside the work area | B | 4 | M | Work crew |
| 9 | Personnel decontamination | Personal injury – <ul style="list-style-type: none"> - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (exposure to asbestos fibres) | C | 4 | H | Remove visible asbestos dust from protective clothing using HEPA vacuum and/or damp rag Take off disposable coveralls whilst still using a respirator Place directly into waste bag Vacuum clothing and footwear using HEPA vacuum and wet wipe footwear Discard (bag) disposable respirators Thoroughly clean non-disposable respirators Wash head, face, hands and fingernails after removing respirator | B | 4 | M | Work crew |
| 10 | Completion of task | Slips, trips, and falls | C | 4 | H | Leave work area tidy. Store equipment in authorised access area (e.g. locked storage facility) Report any damage/defect to supervision and tag out any faulty equipment. | B | 4 | M | Work crew |

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| SWMS No 034 | SJD Electrical Job Safety Analysis / Safe Work Method Statement | Page 7 of 8 |
| Safe Work Method Statement Title: SWMS: 034 MINOR WORK ON ASBESTOS CONTAINING MATERIAL | | |

| Personnel Qualifications and Experience Required | Personnel Duties and Responsibilities | | Training Required to Complete Work |
|---|---|---|--|
| | Supervisor | All Personnel | |
| Personnel will need to be trained and confident . | Empower all personnel to STOP the JOB if required to do so. | All personnel to maintain tidy work area on site at all times. Personal Protective Equipment (PPE) to be worn at all times on site. | Supervisor to be trained in risk identification, assessment and control e.g. Job Safety Analysis (JSA). |
| Appropriate industry and site specific induction. | Supervisor to carry out daily inspections of work site for hazards. | Ensure housekeeping is maintained throughout the task to avoid the risk of injury. | Electrician to be trained in hazard identification, Risk Level and control. |
| Must be a Licensed Electrician to carry out the works. Must be a Licensed Asbestos removalist for anything above 10m2. | Ensure appropriate permits are in place for the task (if applicable). | Barricading to be used as appropriate to protect others from working below elevated work. | Safety observer who is competent to perform the task being observed and is also competent in electrical rescue and cardio-pulmonary resuscitation (CPR). |

| Engineering Details / Certificates / Australian Standards | Referenced – Codes of Practice / Regulations / Legislation |
|--|--|
| <ul style="list-style-type: none"> AS/NZS 3000 Wiring Rules AS/NZS 3012:2010 Electrical Installations – Construction and Demolition Sites. AS/NZS 3017 - Electrical installations - verification guidelines AS/NZS 4826 – Safe working on or near low voltage electrical installations and equipment | <ul style="list-style-type: none"> Work Health and Safety Act and Regulations 2011 Electrical Safety Act 2002 and Electrical Safety Regulations 2013 Electrical Safety Code of Practice 2013 - Managing Electrical Risks in the Workplace Code of Practice – How to Safely Remove Asbestos Code of Practice – How to Manage and Control Asbestos in the Workplace Hazardous Manual Tasks Code of Practice 2011 Managing risks of Plant in the workplace Code of Practice 2013 Scaffolding Code of Practice 2009. <p>(remove any of the above that are not applicable for the task being undertaken)</p> |
| Plant / Equipment Required (Mobile or Static) | Maintenance Checks / Calibration Intervals |
| <ul style="list-style-type: none"> Portable hand tools, electrical power tools / drills (insulated tools) May require scissor lift, boom lift or cherry picker (refer to Scissor Lift / Boom Lift / Cherry Picker SWMS) Appropriate testing equipment | <ul style="list-style-type: none"> Hand tools and ladders to be checked daily. All electrical equipment to be tested and tagged. Elevated Work Platform/s in accordance with manufacturer's recommendations <p>(remove if not applicable)</p> |

