■ **Description:**

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| **PCBU:** | ■ PBCU: Robertson's Remedial and Painting Pty Ltd 10/56 Buffalo Road, Gladesville NSW 2111 Phone: (02) 9181 3519 | ABN: 16 140 746 247 | | | | **Workplace location:** | **■ Site:** *[Insert Site Address Here]* |
| **Works Manager:** | ■ **Works Manager:** *[Insert Project Manager Here]* | | | | **Date SWMS provided to PC:** | **■ Date:** *[Insert Date Here]* |
| **Work activity:** | ■ **Description:** *[Insert Description Here]* | | | | **Principal Contractor (PC):** | **■ PC:**  Robertson's Remedial and Painting Pty Ltd |
| **High Risk Construction Work (HRCW):** | **[✓] Risk of a person falling more than 2 metres** | | *[ ]* Work on a telecommunication tower | | *[ ]* Demolition of load-bearing structure | |
| *[ ]* Likely to involve disturbing asbestos | | *[ ]* Temporary load-bearing support for structural alterations or repairs | | *[ ]* Work in or near a confined space | |
| *[ ]* Work in or near a shaft or trench deeper than 1.5 m or a tunnel | | *[ ]* Use of explosives | | *[ ]* Work on or near pressurised gas mains or piping | |
| *[ ]* Work on or near chemical, fuel or refrigerant lines | | *[ ]* Work on or near energised electrical installations or services | | *[ ]* Work in an area that may have a contaminated or flammable atmosphere | |
| *[ ]* Tilt-up or precast concrete elements | | *[ ]* Work on, in or adjacent to a road, railway, shipping lane or other traffic corridor in use by traffic other than pedestrians | | **[✓] Work in an area with movement of powered mobile plant** | |
| *[ ]* Work in areas with artificial extremes of temperature | | *[ ]* Work in or near water or other liquid that involves a risk of drowning | | *[ ]* Diving work | |
| **Person responsible for ensuring compliance with SWMS:** | | ■ **Supervisor** | | **Date SWMS received:** | ■ **Date:** *[Insert Date Here]* | |
| **What measures are in place to ensure compliance with the SWMS?** | | Toolbox meetings, SWMS sign off, job observations and supervision review. If issues with the SWMS or new hazards are identified, the supervisor must be notified. When changes are made to SWMS, it will be communicated to all workers. | | | | |
| **Person responsible for reviewing SWMS control measures:** | | ■ **Project Manager** | | **Date SWMS received by reviewer:** | ■ **Date:** *[Insert Date Here]* | |
| **How will the SWMS control measures be reviewed?** | | The control measures implemented will be reviewed and if necessary, revised annually or if work methods change, the control measures are not effective in controlling the risk, a new hazard/risk is identified or following an incident. The SWMS will be reviewed in consultation with workers and/or others who may be affected by the SWMS. Any changes to the SWMS will be communicated with workers at induction, daily pre-starts and toolbox talks. | | | | |
| **Reviewer’s signature:** | | ■ **Project Manager** | | **Review date:** | ■ **Date:** *[Insert Date Here]* | |
| This SWMS must be kept and be available for inspection until the high-risk construction work to which this SWMS relates is completed. If the SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to the high-risk construction work in this SWMS, the SWMS must be kept for at least 2 years from the date of the notifiable incident. | | | | | | |

| **Task** | | **Hazard** | **Risk (Pre)** | **Control** | **Risk (Post)** | **Responsibility** | **Code** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Site Induction, Daily Sign-In and SWMS Induction** | | Workers commencing without site awareness. SWMS controls not understood or verified before commencing work. Unauthorised workers accessing site. | **Low (1)** | **SYS (Low -1): Controls in placeAdmin:** Daily-Sign-In and critical control confirmation completed by all workers **—** Recorded in Breadcrumb  **Admin:** Site induction completed by all workers on first day **—** Recorded in Breadcrumb  **Admin:** SWMS (site specific) induction completed signed-in by all workers including membership in PM’s WhatsApp work group **—** Recorded in Breadcrumb **Admin:** Toolbox talk conducted weekly **—** Covers tasks, hazards, controls, weather, site changes **—** Recorded in Breadcrumb **Admin:** All workers hold Construction Induction Card (White Card) **—** Recorded in Breadcrumb  **PPE:** Minimum PPE required to enter site steel capped footwear and long sleeves.  **STOP WORK if:** Worker cannot produce White Card **—** Worker not site and SWMS inducted **—** Worker unfamiliar with **Emergency Response see below.** | **Low (1)** | Supervisor | **SYS-L1** |
| **Emergency Response** | | Medical emergency on site. Fire or chemical spill. Worker incapacitated at height (scaffold, EWP, rope access). Building evacuation required. Natural disaster (storm, flood, earthquake). | **High (9)** | **SYS (High-9): Controls in place**  **Site Emergency Plan:** Communicated at induction and toolbox talk after being updated. Emergency contacts displayed at site entry. Call 000 for any serious injury or emergency. Supervisor directs responders (site address available). always  **Assembly Point:** Identified and communicated at induction. Muster procedure: supervisor conducts headcount, confirms all workers accounted for  **WAH Rescue Plan:** documented and practised. Rescue equipment on site (rope rescue kit for rope access, EWP rescue procedure)  **Chemical Spill:** Spill response equipment must be available where **chemicals are decanted on site**; minimum capacity to manage 110% of the largest container in the area, with drains protected and waste contained for disposal **Fire:** Activate alarm, evacuate, call 000. Do not fight fire beyond incipient stage. Fire extinguisher locations identified at induction  **Reporting: Incident reporting:** incidents, injuries, near-misses and hazards **—** Notify PM’s WhatsApp work group **—** Notifiable incidents reported to SafeWork NSW per WHS Act s38  **PPE:** First aid kit, fire extinguisher, spill kit **—** Locations confirmed at induction. Eye wash cup available on site if chemical products in use  **STOP WORK if:** Anyemergency **—** All work ceases until area declared safe by supervisor. **—** No restart without toolbox talks on incident and any changed controls | **Low (1)** | Supervisor / Worker / Sub-Contract Worker | **SYS-H9** |
| **Residents and Public Interface** Manage interaction with public and building residents in active work zones. Applicable to all strata and occupied buildings. | | Falling objects striking residents or public. Paint overspray or dust reaching occupied areas. Noise and access disruption to residents. Unauthorised entry to work zones. | **Medium (3)** | **SYS (Medium-3): Controls in placeEngineering:** Physical barriers (barricades, mesh, hoarding) around all work zones accessible to residents or public **—** Drop zones below all elevated work barricaded to full fall-line of debris **—** **OPTIONAL considerations**: noise mats repositioned progressively during demolition and silica air monitoring deployed if residents report odour or visible dust **Admin:** Residents notified, via third party, minimum 48 hours before work commences **—** Written notice specifying dates, times, and nature of work **Admin:** Work hours comply with council DA conditions and strata by-laws and. No work outside approved hours without written approval **Admin:** Signage at building entry and work zones **—** 'CONSTRUCTION WORK IN PROGRESS', contact details, and exclusion zone warnings **STOP WORK if:** Resident or member of public enters exclusion zone **—** Barricade displaced or removed **—** Complaint of health effect from dust, fumes, or noise | **Low (1)** | Supervisor / Worker / Sub-Contract Worker | **SYS-M3** |
| **High Access — Ladder Use (Short-Duration Only)** Use ladders for exterior tasks **only where EWP/scaffold/rope access is not reasonably practicable**. Extension ladder for access/short tasks; platform ladder for longer duration light work; A-frame for very short tasks (**≤10 minutes**). | | Fall from ladder (overreach/loss of balance). Ladder slip (incorrect setup/unstable ground). Dropped tools/objects onto persons below. | **High (6)** | **WAH (High-6) CCVS HOLD POINTS:**  **HOLD POINT — Do not commence until:**   1. **Elimination/Substitution confirmed:** EWP/scaffold (or other higher order control) considered first. Ladder use justified as **short-duration** and **low-risk** only 2. **Correct ladder selected & compliant:** Industrial rated ladder to **AS/NZS 1892**, correct duty rating, inspected and **fit for purpose** (no defects) 3. **Extension ladder:** set at **4:1** angle, firm level base, top supported/secured where practicable, extends **≥1 m** above landing point if used for access 4. **A-frame/platform:** fully opened, spreaders locked, used on stable level ground 5. **Drop zone controls:** Area below controlled (spotter or barricade/delineation). Tools to be **secured** (tool lanyards/pouches) where there is a drop risk   **Engineering:**   * Industrial-rated ladder AS/NZS 1892, correct angle (4:1 extension), non-slip feet, secured where possible. A-frame fully opened and locked.   **Admin:**   * Working at Heights Risk Assessment (WAH\_RA) completed before each ladder use **—** Confirms ladder is only practicable method for this task. Three points of contact always. No top two rungs. No overreaching. Spotter or delineate area below.   **PPE:**   * Steel capped footwear, cut-resistant gloves as required, eye protection as required and tool lanyards where applicable   **STOP WORK if:**   * Ladder damaged/defective **—** Footing unstable/uneven **—** Inadequate control of area below **—** Unsafe weather/wind **—** Electrical hazards not controlled **—** Task exceeds short-duration/changes in scope | **Low (2)** | Supervisor / Worker | **WAH-H6** |
| **Scaffold — Erect, Use, and Dismantle** All scaffold erection, modification, and dismantling. Includes mobile scaffolds, fixed scaffolds, and cantilever platforms used for painting and remedial access. | | Fall from height during erection, use, or dismantling. Scaffold collapse from inadequate design, overloading, or ground failure. Falling objects from scaffold platform. Workers below struck by components during erection/dismantle. | **High (6)** | **WAH (High-6) CCVS HOLD POINTS:**  **HOLD POINT — Do not commence until:**   1. Appropriate SafeWork NSW HRW scaffolding licence sighted/recorded prior to erection/modification/dismantle 2. **Status tagging:** Green “SAFE TO USE” tag at each access point before use, if incomplete/under alteration then Red “DO NOT USE/INCOMPLETE” tag 3. **Design/engineering:** erected to AS/NZS 1576; any scaffold >4 m or non-standard (cantilever/complex/public interface/unusual loads) requires engineer design/verification sighted on site 4. **Exclusion zone:** barricade full drop zone/fall-line below during erection/dismantle and overhead work; no persons/public inside 5. **Electrical clearance:** overhead/adjacent electrical hazards identified; exclusion distances/isolations implemented before erection/use   **Engineering:**   * Full perimeter guardrails (top/mid) and toe boards; brick guards where materials stored; debris mesh/shade cloth where adjacent to public/occupied areas * Sole/base plates on all standards; ground bearing confirmed * **Mobile scaffolds:** castor locks on; outriggers as per manufacturer; do not move with persons/materials on platform * **Access/egress:** compliant ladder/stair access, ladder secured; no climbing braces; gates where required   **Admin:**   * Competent person inspection before first use, after modification/impact, and ≤30-day intervals, plus after severe weather (>60 km/h) * Load rating displayed and not exceeded; no stockpiling beyond immediate need; components not thrown **—** Controlled lowering/handling   **PPE:**   * Steel capped footwear, hard hat, long sleeves, cut-resistant gloves, harness/ lanyard for scaffolders during erection/dismantle as per their method/SOP   **STOP WORK if:**   * tag missing/expired/red **—** Guardrails/toe boards incomplete **—** Settlement/subsidence **—** Unapproved modification **—** Overload electrical clearance not maintained. | **Low (2)** | Scaffold Contractor / Supervisor | **WAH-H6** |
| **EWP Operation — Boom and Scissor Lift** Operation of elevated work platforms (EWP) for painting and remedial access. Includes boom lifts, scissor lifts, and truck-mounted EWP. | | Fall from EWP platform. EWP tip-over from ground failure, uneven ground, overloading or exceeding operating envelope. Collision with pedestrians, vehicles, overhead structures, powerlines, or building elements. Crushing **—** Worker trapped between platform and structure. | **High (6)** | **WAH (High-6) CCVS HOLD POINTS: HOLD POINT — Work must not commence until:**   1. Operator SafeWork NSW HRCL (WP class) recorded/verified in Breadcrumb 2. All workers in basket WAH trained/competent in RIIWHS204E Work Safely at Heights. SOA recorded/verified in Breadcrumb 3. EWP pre-start inspection completed and recorded **—** No defects 4. EWP set up on firm, level hardstand 5. Overhead clearances measured and confirmed safe **—** Minimum 3mt exclusion from overhead powerlines 6. Harness inspected **—** Lanyard clipped to manufacturer basket anchor point (gate closed, double-action snap hook). 7. **Exclusion zone to overhead powerlines:** minimum 3 mt (≤132 kV), 6 mt (132–330 kV), 8 mt (330–500 kV), unless the electricity network specifies greater; use a trained spotter and physical controls to prevent encroachment   **Engineering:**   * Platform guardrails and mid-rails intact. Gate/chain secured during operation. No climbing on guardrails or standing on mid-rails. * Exclusion zone at ground level around EWP **—** Barricaded to prevent pedestrians and vehicles from entering swing/travel radius and drop zone.   **Admin:**   * Spotter for all travel movements in congested areas or where visibility limited. * Radio or verbal communication maintained between operator and ground crew. * Daily weather check **—** Wind limits per manufacturer's specification (typically 40 km/h for boom, 45 km/h for scissor). Platform lowered in gusty conditions * EWP listed on plant and equipment register to confirm in service with OEM requirements   **PPE:**   * Full-body harness with lanyard clipped to EWP anchor point, steel capped footwear   **STOP WORK if:**   * EWP defect detected **—** Ground conditions deteriorate **—** Wind exceeds manufacturer's limit **—** Harness not connected**—** Exclusion zone breach, or spotter unavailable near public areas | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **WAH-H6** |
| **Blasting Equipment Setup — Compressor, Pot, Lines**  *[Setup, commissioning, and operation of abrasive blasting equipment including air compressor, blast pot (pressure vessel), blast hoses, nozzles, moisture separators, and dead-man controls.]* | | * High-pressure air release **—** Hose whip * Pressure vessel failure * Noise from compressor and blasting * Hose connection failure * Dead-man control malfunction **—** Uncontrolled blast | **High (6)** | **PRE (High-6) CCVS HOLD POINTS:**  **HOLD POINT — Do not commence until:**   1. Blast pot (pressure vessel) has current registration and inspection certificate per WHS Regulation Chapter 5 **—** Plant 2. All hose connections fitted with safety clips/whip checks **—** Dead-man control fitted to nozzle and tested functional 3. Compressor capacity matched to nozzle size **—** Correct operating pressure set and pressure relief valve functional 4. Operator holds demonstrated competence in abrasive blasting equipment operation **—** Training records sighted   **Engineering:**   * Whip checks on all hose connections. Safety pins/clips on all couplings. Dead-man handle on nozzle **—** Blast stops within 1 second of release. Moisture separator and air dryer in line. Pressure relief valve set to maximum operating pressure. Earthing/bonding of all metallic components to prevent static discharge.   **Admin:**   * Equipment pre-start inspection completed and recorded. Hoses inspected full length **—** No damage, kinks, or excessive wear. Nozzle bore checked **—** Replaced when worn beyond 20% of original diameter. Compressor maintenance log current. Exclusion zone around compressor **—** Noise and exhaust fumes.   **PPE:**   * Hearing protection (>85 dB, Class 5) near compressor. Steel capped footwear. Eye protection during setup.   **STOP WORK if:**   * Pressure vessel registration expired **—** Dead-man control not functional **—** Hose damage or coupling failure **—** Pressure relief valve not working **—** Whip checks missing **—** Operator not competent. | **Low (2)** | Supervisor / Blaster | **PRE-H6** |
| **Abrasive Blasting Operations — Open Air**  *[Abrasive blasting of surfaces in open-air conditions using garnet, glass bead, steel shot, crushed slag, or soda media. Includes surface preparation to specified profile for coating application.]* | | * Respirable dust **—** Silicosis (if silica media used), general respiratory hazard from all media * Noise >115 dB(A) * Ricochet **—** High-velocity particles * Skin abrasion from blast media * Dust affecting adjacent properties and persons | **High (6)** | **SIL (High-6) CCVS HOLD POINTS:**  **HOLD POINT — Do not commence until:**   1. Asbestos register reviewed and existing coating tested for asbestos content before blasting commences per HY Asbestos standard. If asbestos detected: cease **—** Engage licensed asbestos removalist. Abrasive blasting is a prohibited method for asbestos-containing material removal 2. **Blast media confirmed:** NO free silica content (crystalline silica banned for abrasive blasting per WHS Regulation). Material safety data sheet confirms silica-free 3. **Air monitoring plan in place:** personal and boundary monitoring for respirable dust. Monitoring results reviewed by occupational hygienist 4. **Containment assessed:** full containment if within 50m of occupied premises, public areas, or sensitive environments. Partial containment where open-air blasting is practicable 5. All workers within 15m of blasting operations wearing appropriate respiratory protection   **Engineering:**   * **Blast containment:** tarps, mesh screens, or full enclosure depending on location and media. Dust suppression: wet blasting (vapour blasting) where practicable to reduce airborne dust. Media recovery system where possible **—** Vacuum or sweep recovery. Blast area physically barricaded **—** Minimum 10m exclusion zone.   **Admin:**   * **Blast plan documented:** surface area, media type and consumption, profile required, containment method, waste disposal. Neighbours notified 48 hours before blasting commences. Blast times restricted per council/permit conditions **—** Typically 7am–5pm. Dust monitoring results actioned same day **—** Work adjusted if results exceed exposure standards. Post-blast surface profile checked with comparator gauge **—** Profile within coating manufacturer specification range. Coating application commenced within maximum flash-rust window per coating specification (typically 4–8 hours depending on conditions). Competent person directly supervises all abrasive blasting operations per SafeWork NSW requirements.   **PPE:**   * **Blaster:** AS/NZS 1337-approved blast helmet with supplied air (Class 2B minimum), leather blast suit, leather gloves, steel capped boots. Assistants within 15m: half-face P3 respirator, eye protection, hearing protection (>85 dB, Class 5), long sleeves.   **STOP WORK if:**   * Silica-containing media identified **—** Asbestos detected or suspected in substrate coating (cease blasting immediately **—** Treat as asbestos removal work per WHS Regulation) **—** Air monitoring exceeds exposure standard **—** Containment failure **—** Dust escaping to adjacent properties **—** Dead-man control malfunction **—** Supplied air system fault **—** Blast helmet visor damaged **—** Wind exceeds containment capability. | **Low (2)** | Supervisor / Blaster | **SIL-H6** |
| **Abrasive Blasting — Enclosed/Contained Environment**  *[Abrasive blasting inside containment enclosures, blast rooms, tanks, or confined structures. Includes ventilation, visibility, and confined space management.]* | | * Extreme dust concentration in enclosed space * Reduced visibility **—** Zero visibility common * Noise amplification in enclosure * Oxygen depletion * Confined space hazards * Heat stress inside blast suit | **High (9)** | **HAZ (High-9) CCVS HOLD POINTS:**  **HOLD POINT — Do not commence until:**   1. Asbestos register reviewed and existing coating tested for asbestos content before enclosed blasting commences. If asbestos detected: cease **—** Engage licensed asbestos removalist. Abrasive blasting is a prohibited method for asbestos-containing material removal 2. **Enclosed blasting ventilation system operational:** negative pressure maintained within enclosure, exhaust air filtered before discharge. Minimum 20 air changes per hour 3. Confined space assessment completed if applicable per WHS Regulation Chapter 4 Part 4.3 **—** Entry permit system in place 4. **Supplied air breathing apparatus confirmed:** air quality tested (Grade D breathing air), flow rate adequate, emergency air reserve available 5. Communication system between blaster inside enclosure and standby person outside **—** Tested before entry. Standby person remains at entry point at all times   **Engineering:**   * Extraction ventilation with HEPA filtration **—** Negative pressure prevents dust escape. Lighting rated for hazardous atmosphere if combustible media. Emergency air supply **—** Minimum 10 minutes reserve. Blast containment sealed **—** No gaps allowing dust escape.   **Admin:**   * Maximum continuous blast time per session **—** Heat stress management. Work/rest rotation schedule. Visibility check **—** Cease blasting if visibility <1m and allow dust to settle. Dust monitoring inside and outside containment. Emergency extraction procedure rehearsed. Competent person directly supervises all abrasive blasting operations per SafeWork NSW requirements.   **PPE:**   * **Blaster:** Type CE supplied-air blast helmet with positive pressure, full leather blast suit, leather gauntlet gloves, steel capped boots, hearing protection. Standby person: half-face P3 respirator, hearing protection, eye protection.   **STOP WORK if:**   * Ventilation system fails **—** Positive pressure in helmet lost **—** Air supply quality alarm **—** Asbestos detected or suspected in substrate coating (cease blasting immediately **—** Treat as asbestos removal work per WHS Regulation) **—** Visibility zero for >5 minutes **—** Confined space entry permit not current **—** Standby person leaves position **—** Heat stress symptoms **—** Enclosure seal breached **—** Dust escaping containment. | **Low (2)** | Supervisor / Blaster | **HAZ-H9** |
| **Blast Media Selection and Handling**  *[Selection, storage, handling, and loading of abrasive blast media including garnet, glass bead, steel shot, soda, and crushed slag. Includes media quality control and waste management.]* | | * Manual handling of heavy media bags (25–50kg) * Dust during loading and handling * Contaminated recycled media * Slip hazard from spilled media * Eye injury from loose particles | **Medium (4)** | **HAZ (Medium-4): Controls in place.**  **Engineering:** Bulk media delivery where possible **—** Hopper or silo feed to blast pot **—** Mechanical lifting for bags >25kg **—** Dust extraction at blast pot loading point **—** Media storage on pallets, covered, and dry  **Admin:** Media SDS reviewed **—** Confirm no free crystalline silica **—** Media specification matches coating manufacturer requirements **—** Type, particle size, hardness confirmed **—** Recycled media tested for contamination before re-use (lead, asbestos, other hazardous coatings) **—** Waste media classified per EPA guidelines **—** Disposal to licensed facility if contaminated  **PPE:** P2 respirator (minimum), Eye protection, Cut-resistant gloves, Steel-capped footwear  **STOP WORK if:** Media contains free silica **—** Recycled media contaminated **—** Media wet or clumped **—** SDS not available **—** Manual handling of >25kg bags without mechanical aids | **Low (2)** | Worker / Sub-Contract Worker | **HAZ-M4** |
| **Containment and Environmental Controls**  *[Erection, maintenance, and removal of blast containment systems including full enclosures, tarps, screens, and environmental protection measures for dust, noise, and waste.]* | | * Containment failure **—** Dust release to environment * Working at height during containment erection * Wind damage to containment * Stormwater contamination from blast waste * Community complaint | **Medium (4)** | **ENV (Medium-4): Controls in place.**  **Engineering:** Containment structure designed for wind loading **—** Secured to scaffold or independent frame. Containment sealed at all joints **—** Overlap and tape/clamp. Stormwater protection: bunding around blast area, drain covers within 10m. Waste collection system within containment **—** Prevent media and coating waste reaching ground/stormwater.  **Admin:** Environmental management plan reviewed **—** Containment method per EPA and council requirements. Boundary dust monitoring during blasting **—** Results compared against PM10 criteria. Noise monitoring at site boundary. Containment inspected daily **—** Repairs before blasting resumes. Waste manifest maintained **—** Media, coating waste, and contaminated water tracked from generation to disposal.  **PPE:** As per blasting tasks.  **STOP WORK if:** Containment breach **—** Dust visible outside containment **—** Boundary monitoring exceeds criteria **—** Wind damaging containment **—** Stormwater contamination **—** Community complaint not resolved. | **Low (2)** | Supervisor / Worker | **ENV-M4** |
| **Dust Suppression and Air Monitoring**  *[Personal and boundary air monitoring during abrasive blasting operations. Includes respirable dust, total inhalable dust, and specific contaminant monitoring (lead, asbestos, silica). Dust suppression methods.]* | | * Respirable dust exposure exceeding workplace exposure standard (WES) * Lead or asbestos fibre release from existing coatings * Crystalline silica exposure * Environmental dust impact beyond site boundary | **High (6)** | **SIL (High-6) CCVS HOLD POINTS:**  **HOLD POINT — Do not commence until:**   1. Air monitoring plan developed by occupational hygienist **—** Personal and boundary monitoring locations and frequency specified 2. **Baseline coating analysis completed before blasting:** tested for lead, asbestos, chromium, and other hazardous substances. Results reviewed and control measures adjusted accordingly 3. **If lead detected:** lead risk assessment per WHS Regulation Chapter 7 Part 7.2. Blood lead monitoring program in place for workers 4. Dust monitoring results reviewed same-day **—** Exceedance triggers immediate cessation and control review   **Engineering:**   * Wet blasting (vapour blasting) or water injection at nozzle where practicable. HEPA-filtered exhaust on enclosed containment. Dust suppression sprays at containment openings. Real-time dust monitoring where available.   **Admin:**   * **Exposure standards referenced:** respirable dust 1mg/m³ (8hr TWA), lead 0.05mg/m³, crystalline silica 0.05mg/m³. Personal monitoring results recorded and communicated to workers. Health surveillance program per WHS Regulation if trigger levels reached. Monitoring records retained for 30 years (lead and asbestos).   **PPE:**   * Supplied-air respiratory protection for blaster (minimum). Half-face P3 for assistants and workers in vicinity. Upgrade to supplied air if monitoring indicates elevated exposure.   **STOP WORK if:**   * Monitoring exceeds WES **—** Lead or asbestos detected in coating without prior assessment **—** Monitoring equipment fault **—** Supplied air quality test failed **—** Dust escaping containment boundary. | **Low (2)** | Supervisor / Occupational Hygienist | **SIL-H6** |
| **Lead Paint and Hazardous Coating Removal by Blasting**  *[Removal of lead-containing paint and other hazardous coatings by abrasive blasting. Includes full containment, air monitoring, worker health surveillance, and hazardous waste disposal requirements.]* | | * Lead dust and fume inhalation **—** Lead poisoning * Lead contamination of site and surrounds * Asbestos co-contamination in old coatings * Hazardous waste generation * Worker take-home contamination | **High (9)** | **HAZ (High-9) CCVS HOLD POINTS:**  **HOLD POINT — Do not commence until:**   1. Lead risk assessment completed per WHS Regulation Chapter 7 Part 7.2 **—** Lead content of coating quantified by laboratory analysis 2. **Full containment required:** Class 1 enclosure with negative pressure ventilation and HEPA filtration per AS 4361.2 3. **Worker health surveillance:** blood lead levels tested before commencement and at intervals per WHS Regulation. Workers with blood lead >20 µg/dL reviewed by medical practitioner 4. **Decontamination facility established:** three-stage decontamination unit for workers exiting containment (dirty, shower, clean)   **Engineering:**   * Full containment enclosure with negative pressure **—** Minimum 4 Pascal negative pressure maintained and continuously monitored. HEPA filtration on exhaust. Decontamination shower unit at enclosure exit. Wet methods supplementary to containment **—** Water injection at nozzle.   **Admin:**   * Lead removal work plan documented **—** Approved by occupational hygienist. Clearance air monitoring before enclosure dismantled **—** Results below clearance criteria. Waste classified as hazardous **—** Double-bagged, labelled, and disposed of at licensed facility with EPA tracking. Decontamination procedure: workers shower and change clothes before leaving site **—** No work clothes worn home. Laundry service for work clothes provided.   **PPE:**   * Supplied-air blast helmet (minimum Class 2B). Disposable coveralls removed and bagged before decontamination. Nitrile gloves under leather blast gloves. Steel capped boots dedicated to blast work **—** Left on site.   **STOP WORK if:**   * Containment pressure loss **—** Air monitoring exceeds WES **—** Blood lead level exceeds action level **—** Decontamination facility not functional **—** HEPA filter not changed per schedule **—** Waste not correctly contained **—** Any containment breach. | **Low (2)** | Supervisor / Blaster / Occupational Hygienist | **HAZ-H9** |
| **Noise Management — Hearing Conservation**  *[Assessment and management of noise exposure from abrasive blasting operations including compressor, blasting, and media handling. Covers worker exposure and community noise impact.]* | | * Noise-induced hearing loss from prolonged exposure >85 dB(A) * Tinnitus * Communication difficulty in high-noise environment * Community noise complaint | **Medium (4)** | **PRE (Medium-4): Controls in place.**  **Engineering:** Compressor positioned maximum distance from occupied areas **—** Exhaust directed away. Noise attenuation on compressor where available. Blast nozzle selection for minimum noise **—** Venturi nozzles quieter than straight bore. Containment enclosure provides noise reduction to surrounds.  **Admin:** Noise assessment completed **—** Personal exposure levels documented. Hearing conservation program in place if exposure >85 dB(A) 8hr TWA: audiometric testing baseline and annual. Work hours restricted per council/EPA noise conditions **—** Typically 7am–5pm. Noise monitoring at site boundary if near residential. Communication in blast zone: hand signals or radio **—** Verbal communication not possible.  **PPE:** Class 5 hearing protection minimum for blaster and assistants. Dual protection (plugs + muffs) where exposure >100 dB(A). Hearing protection (>85 dB) for all workers within 15m of blasting operations.  **STOP WORK if:** Worker not wearing hearing protection in blast zone **—** Noise monitoring exceeds council limits at boundary **—** Audiometric testing shows threshold shift **—** Communication system failure in blast zone. | **Low (2)** | Supervisor / Worker | **PRE-M4** |
| **High-Pressure Water Cleaning** Pressure washing of exterior surfaces using petrol-driven or electric high-pressure units prior to painting. Includes concrete, masonry, timber, and metal surface cleaning. | | High-pressure water injection injury. Slip hazard from wet surfaces. Electrical hazard from water contact with services. Noise from petrol-driven units. Water runoff contamination to stormwater. | **Medium (4)** | **PRE (Medium-4): Controls in place.Engineering:** Rated tip confirmed correct for surface and PSI **—** No damaged or modified tips **—** **Whip-checks on all hose connections** **—** **Exclusion zone established** **—** Min. 3m from jet line – delineate area with bunting or other **—** Trigger lock functional **—** Tested before start  **Admin:** Petrol unit outdoors or fully open area only **—** Never in enclosed or semi-enclosed space (CO accumulation risk) **—** Waste wash-off managed, captured or diverted from stormwater **—** SDS for fuel on site  **REFUELLING:** Engine off and cool before refuelling. Fuel stored in bunded area **—** Minimum quantity on site. No smoking or ignition sources within 5m  **PPE:** Waterproof footwear or steel capped footwear, eye protection, hearing protection (>85 dB), long sleeves.  **STOP WORK if:** CO symptoms (headache, dizziness) **—** Shut down, evacuate, call 000. Exclusion zone cannot be maintained. Spray drift to public. | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **PRE-M4** |
| **Surface Preparation — Non-Silica-Lead** Hand and powered surface preparation where silica-bearing dust is not generated. Includes scraping, sanding of previously painted surfaces, light abrasion of metal, and cleaning prior to coating. | | Dust inhalation from dry sanding painted surfaces. Flying debris and paint chips at face and eye level. Chemical exposure from cleaning agents, sugar soap, and fillers. Electric shock from 240V tools in wet or damp conditions. | **Medium (4)** | **PRE (Medium-4): Controls in place.**  **Engineering:** Use HEPA vacuum fitted to any powered sanders **—** Drop sheets to protect surfaces and contain debris **—** RCD protection for all 240V tools/leads (test & tag in date) **—** Battery tools preferred in damp/wet areas  **Admin:** SDS reviewed for all chemical paint removers and cleaning agents **—** On site before use. Workers briefed on SDS hazards and first aid  **PPE:** P2 respirator (minimum), steel capped footwear, eye protection, hearing protection (>85 dB), cut-resistant gloves or nitrile gloves, long sleeves.  **STOP WORK if:** Lead paint or suspected or detected **—** Dust extraction fails on powered sander **—** SDS not available for chemical product brought onto site | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **PRE-M4** |
| **Hazardous Chemicals — Paints, Solvents, and Coatings** Storage, handling, mixing, and application of all paints, primers, sealers, solvents, curing compounds, and chemical products used in cleaning, painting and remedial works. | | Inhalation of VOCs, solvent vapours, and chemical fumes. Skin and eye contact with paints, solvents, and epoxies. Allergic sensitisation from isocyanates (Polyurethane Sealants). Fire or explosion from flammable solvents. Environmental contamination from spills. | **Medium (4)** | **HAZ (Medium-4): Controls in place.Engineering:** No solvent-based application in unventilated areas **—** **Chemical storage:** flammable liquids separated from ignition sources, direct sun, and incompatible materials **—** Quantities kept to daily need only on scaffold **—** Spill response equipment must be available where chemicals are decanted on site; minimum capacity to manage 110% of the largest container in the area, with drains protected and waste contained for disposal. **Admin: SDS for every product on site** **—** Current version (within 5 years). Workers briefed on product hazards, PPE requirements, and first aid before first use of each product **—** Hazardous Substance Register maintained **—** Separate SWMS required if spray-applying isocyanate products (2-pack systems).**PPE:** Chemical-resistant gloves (nitrile minimum), eye protection or goggles (splash risk), P2 respirator with organic vapour cartridge (solvent-based products), long sleeves and coveralls as required by SDS. **STOP WORK if:** SDS not available for product in use **—** Ventilation inadequate (fumes detectable at breathing zone) **—** Chemical spill not contained **—** Worker reports symptoms of chemical exposure (headache, nausea, dizziness, skin irritation) **—** **In the event of suspected exposure, call the Poisons Information Centre on 131126** | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **HAZ-M4** |
| **Manual Handling** Lifting, carrying, pushing, and pulling of materials, tools, and equipment. Includes paint drums, scaffold components, ladders, and sheet materials. | | Musculoskeletal injury from lifting, awkward postures, or repetitive tasks. Crush injury from dropped loads. Strain from carrying materials on stairs or uneven surfaces. | **Medium (3)** | **PRE (Medium-3): Controls in place.**  **Engineering:** Mechanical aids first **—** Trolleys and powered scaffold-mounted materials winch/hoist >20 kg or repetitive carries **—** Paint in manageable container sizes (≤20L preferred) **—** Team lifts for awkward or heavy items minimum 2 persons for 20L drums on stairs or pass between scaffold decks  **Admin:** Pre-task assessment of manual handling risks **—** Route, load weight, distance, stairs, and obstacles **—** Plan delivery to minimise carry distances **—** Powered scaffold-mounted materials winch/hoist on plant and equipment register to confirm in service with OEM requirements  **PPE:** Steel capped footwear, cut-resistant gloves, long sleeves  **STOP WORK if:** Worker reports pain or strain **—** Access route obstructed **—** Powered scaffold-mounted materials winch/hoist SWL unknown, damaged rope/hook, bracket movement, exclusion zone breach, electrical fault/RCD trip and unsafe wind conditions | **Low (1)** | Worker / Sub-Contract Worker | **PRE-M3** |
| **Housekeeping and Waste Management** Ongoing site cleanliness, waste segregation, and material storage throughout all painting and remedial activities. | | Slip, trip, and fall from debris, spills, or cluttered work areas. Environmental contamination from paint waste, solvents, or chemical residue. Fire from accumulated waste or flammable materials. | **Low (2)** | **PRE (Low-2): Controls in place.**  **Engineering: Never block fire exits or fire escape corridor and stairwells** **—** Designated waste bins **—** General waste, recyclable, and hazardous (paint, solvent, chemical containers)  **Admin:** Clean-as-you-go policy **—** Each work area cleared of debris and waste at end of each task and end of day **—** Paint and solvent waste disposed complies with EPA requirements **—** Not poured into stormwater, drains, or ground.  **PPE:** Steel capped footwear, nitrile gloves for handling paint waste and chemical containers  **STOP WORK if:** Fire risk from accumulated flammable waste **—** Work area too cluttered to maintain safe access/egress | **Low (1)** | Worker / Sub-Contract Worker | **PRE-L2** |
| **Hot and Dangerous Weather** Work in high temperatures, direct sun, rain, wind, and electrical storms. Applicable to all outdoor tasks. | | Heat stress, heat stroke, and dehydration. Slip hazard from wet surfaces. Wind dislodging materials or affecting scaffold stability. Lightning strike. UV exposure. | **Medium (3)** | **SYS (Medium-3): Controls in place.Engineering:** Cool drinking water available within 50m of all work positions **Admin:** Monitor Bureau of Meteorology forecasts daily. Adjust work schedule in extreme heat **—** **Wind triggers**: >40 km/h suspend all elevated work (scaffold, EWP, fall restraint, rope access) >60 km/h **—** Suspend all outdoor work and secure materials **—** **Lightning:** if thunder heard or lightning seen **—** Cease all outdoor work immediately. Do not resume until 30 minutes after last observed lightning/thunder **PPE:** Long sleeves (UPF-rated), broad-brim hard hat or sun brim attachment, sunscreen SPF 50+, eye protection with UV protection **STOP WORK if:** Worker shows signs of heat stress **—** Wind exceeds trigger thresholds **—** Lightning within 10 km **—** Rain making surfaces unsafe for elevated work | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **SYS-M3** |

| **SWMS Amendments (more space at the end of this document)** | | | | | |
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| **Risk Level** | **Description of consequence or impact** | **Consequence** | **Likelihood/Probability** | | |
| **Unlikely (1)** | **Possible (2)** | **Almost Certain (3)** |
| **High**  Level of harm | Actual/Potential fatality, disability or irreversible damage. Major structural failure/damage. Off-site environmental discharge/release not contained and significant long-term environmental harm. | **Major (3)** | **Medium (3)** | **High (6)** | **High (9)** |
| **Medium**  Level of harm | Actual/Potential temporary disability, MTI or LTI. Structural failure/damage, >1-day outage. On-site environmental discharge/release contained, minor remediation, short-term environmental harm. | **Moderate (2)** | **Low (2)** | **Medium (4)** | **High (6)** |
| **Low**  Level of harm | Incident that has the potential to cause persons to require first aid. Environmental discharge/release immediately contained, minor level clean-up with no short-term environmental harm. | **Minor (1)** | **Low (1)** | **Low (2)** | **Medium (3)** |
| **Level** | **Likelihood/Probability** | | | | |
| Almost Certain | Occurs frequently; >66% chance of occurring | | | | |
| Possible | Could happen occasionally; >33% but <66% chance of occurring | | | | |
| Unlikely | May occur only in exceptional circumstances; <33% chance of occurring | | | | |
| **Class/Ranking** | **Description/Requirements** | | | | |
| High 6, 9 | Stop immediately. Implement controls. Controls recorded on a SWMS. | | | | |
| Medium 3, 4 | Planned control. Controls recorded on a SWMS. | | | | |
| Low 1, 2 | Managed via routine procedure. | | | | |

**Under WHS Act s18, “reasonably practicable” requires consideration of likelihood of risk, degree of harm, what the person knows about the hazard, availability and suitability of controls, cost vs risk. If you cannot show how that decision was made, the action becomes harder to defend after an incident.**

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| **Relevant legislation:** | WHS Act 2011 (NSW), WHS Regulation 2017 (NSW), applicable NSW Codes of Practice, AS/NZS 2311 (Painting of Buildings), AS/NZS 1576 (Scaffolding), AS/NZS 1891 (Industrial Fall-Arrest Systems), AS 4361.2 (Guide to Lead Paint Management), AS 1940 (Storage and Handling of Flammable and Combustible Liquids), SafeWork NSW Construction Work Code of Practice, Managing the Risk of Falls at Workplaces Code of Practice, Managing Risks of Hazardous Chemicals in the Workplace Code of Practice. |
| **Frequency of review and site inspections:** | **This SWMS will be reviewed:** before work commences on each new site, when site conditions change materially, after any incident, near-miss, or hazard report, at minimum 12-monthly, when legislation or codes of practice change, when new work methods, products, or equipment are introduced. |

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| **PPE required:** | Steel capped footwear (AS/NZS 2210.3) • High-vis vest (AS/NZS 4602) or long sleeves • Eye protection (AS/NZS 1337.1) • P2respirator (AS/NZS 1716) **—** Mandatory for silica, spray painting, lead, and solvent-based products • Hearing protection (AS/NZS 1270) **—** Mandatory >85 dB • Chemical-resistant gloves (nitrile minimum) • Full-body harness (AS/NZS 1891.1) **—** For all work at height without guardrails • Sun protection **—** Long sleeves, sunscreen SPF 50+, UV safety glasses • Hard hat (AS/NZS 1801) worn during scaffold erection and dismantling. |
| **List the permits, certificates, SafeWork NSW Approvals, required to complete the work:** | Scaffold licence (basic or advanced as required). EWP licence (WP class). Working at Heights training (current within 2 years). Confined Space entry permit (if applicable). Hot Works permit (if applicable). |
| **List of the training required by workers to commence the work:** | Construction Industry Induction Card (White Card) and SWMS induction. Product-specific SDS briefing. Working at Heights (for any elevated work). EWP operation (for EWP use). Scaffold user awareness (for scaffold use). Lead-safe work practices AS 4361.2 (if lead paint present). Silica awareness training (if silica tasks). First aid (minimum 1 per site). |
| **List the qualifications of workers doing the work:** | Trade certificate or demonstrated competence in painting and surface preparation. Scaffolding licence (basic/advanced) for scaffold erection. EWP licence (WP class) for EWP operation. IRATA/ARAA certification for rope access (if applicable). |
| **List of plant and equipment that will be used on site:** | Scaffold (mobile and fixed). EWP **—** Boom lift, scissor lift. Pressure washer. Airless spray unit. Power tools **—** Angle grinder, rotary hammer, orbital sander, oscillating tool. Extension leads and portable RCDs. Ladders (A-frame, extension). Trolleys and material hoists. |
| **List maintenance checks for plant and equipment:** | All plant and equipment maintained per OEM’s schedule. Test-tag on all 240V tools and leads **—** 3-monthly per AS/NZS 3012. Scaffold inspection per AS/NZS 1576. EWP pre-start daily. Harness inspection 6-monthly. Fire extinguisher serviced 6-monthly. |
| **Hazardous substances:** | Chemical register maintained **—** All paints, primers, sealers, solvents, sealants, and chemical products listed with current SDS (within 5 years). SDS available on site always. Flammable liquids stored in compliant cabinet per AS 1940. |
| **Working at Heights Risk Assessment (if applicable)** | **Fall prevention hierarchy applied:** eliminate > isolate > minimise. Guardrails preferred. Fall restraint before fall arrest. Rescue plan documented for all harness work. Working at Heights licence/training verified before elevated work commences. |

| **WORKER INDUCTION SIGNOFF** | | | |
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| **SWMS Amendments** | | | | | |
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