APP PANEL TANKS SCOPE OF WORKS INCLUSIONS & EXCLUSIONS

Standard Client Reference & Scope Boundary Document

This document defines the baseline standard scope of works, supply boundaries, site prerequisites, and commercial provisions for All Purpose Pumps (APP) sectional panel tanks. All provisions herein represent APP standard contract conditions and baseline allowances across all projects, unless explicitly modified in writing within an official project-specific APP formal quotation.

Standard Inclusions

- **Design and drafting:** Including up to three drawing submissions in PDF format (mark-up, approval and construction issue).
- **3D Coordination Model:** APP 3D coordination model exported from SolidWorks in an agreed exchange format (STP, IFC or similar).
- **Design Standards:** Tank designed in accordance with applicable Australian Standards and project requirements nominated within the quotation.
- **Design Life & Importance Level:** Minimum 25-year design life, Importance Level 2 (IL2), in accordance with AS 2304:2019 Clause 4.1.
- **Tank Supply:** Tank supply including tank panels, roof structure and roof sheeting, access ladders, access manways, mechanical level indicators, internal liner, standard nozzle connections as detailed within the project connection schedule, and top inspection platform where specified in the quotation.
- **Manufacture:** Manufacture of tank components.
- **Delivery:** Standard delivery to site unless otherwise specified in quotation.
- **Material Traceability:** Material traceability records for principal tank components including tank panels.
- **Site Installation:** APP installation as detailed within the quotation.
- **Manufacturer Certification:** APP Manufacturer's Certificate of Completion.
- **Warranty:** Warranty: 10 years, provided the tank is maintained and serviced in accordance with AS 1851 and APP maintenance requirements.
- **Technical Documentation & Manuals (Additional):** Comprehensive Operation and Maintenance (O&M) manuals, preventative maintenance schedules, and as-built drawings covering APP's contracted scope of works.
- **Internal Liner Duty (Additional):** Heavy-duty internal reinforced membrane liner suitable for dedicated potable water, fire services, or non-potable duty as specified in the quotation.
- **Standard Nozzle Anti-Vortex Plate (Additional):** Outlet/suction connection incorporating an engineered anti-vortex plate in full compliance with AS 2304 / AS 2118 requirements where applicable.
- **Level Indicator Details (Additional):** Mechanical float-operated analogue external level indicator featuring high-visibility 'FULL', 'HALF', and 'EMPTY' status indication.
- **Asset Identification & Safety Labelling (Additional):** Durable, weather-resistant asset stickers and safety warning signage affixed to the tank shell.

- **Site Safety & SWMS (Additional):** Site operations conducted in accordance with APP's accredited Safe Work Method Statements (SWMS) and site-specific OHS/WHS compliance documentation.
- **Project Coordination & Support (Additional):** Access to APP Major Projects technical coordination and engineering support throughout the submittal, fabrication, and installation phases.

Site Prerequisites & Builder Responsibilities (By Others)

To ensure proper structural alignment, safety, and compliance, the following items must be strictly provided and certified by the Principal / Builder prior to APP mobilizing to site:

Requirement	Specified Criteria & Extent (By Others / Client)
Foundation Slab / Plinth	Provision of a structurally certified concrete slab designed by others. Surface finished flat and level to within ±3 mm across the entire tank footprint without ridges, depressions, or steps.
Perimeter Clearances	Continuous clear, level, and unobstructed space around the entire tank perimeter. Minimum 600 mm for standard tanks (for compliance with AS 2304); up to 1,200 mm clearance required for large or complex tanks (refer to quotation).
Unloading & Site Access	Clear, firm, and unobstructed heavy vehicle access to the slab or lay-down zone. Cranage, telehandler/forklift offloading, and internal relocation from delivery zones to slab by others.
Lay-down & Assembly Area	Firm, clean, dry, and secure lay-down area immediately adjacent to the tank slab for safe uncrating, sorting, and assembly of panels.
Temporary Site Utilities	Unrestricted, continuous supply of 240V/415V electrical power, adequate task lighting (particularly in basements/plant rooms), and clean running water for installation purposes.
Site Readiness & Coordination	Completion of required site inductions, clear interfaces free from trade conflict, work permits, and confirmed handover of slab before APP installation mobilization.

Standard Exclusions

- **Foundations & Civil:** Foundation design and construction (slab to be flat and level +- 3mm over entire surface, with 600mm minimum clearance around tank for compliance with as2304) refer to quotation for minimum clearance requirements large & complex tanks may require up to 1200mm clearance.
- **Geotechnical:** Geotechnical investigations.
- **Pipework & Valving:** Pipework, valves and supports.
- **Electrical & BMS:** Electrical works, controls and BMS integration.
- **Testing & Commissioning:** Hydrostatic testing and system commissioning.
- **Disinfection:** Chlorination and disinfection.
- **Site Logistics:** Cranage, unloading and relocation of materials on site.
- **Working Hours:** Out-of-hours works (standard working hours are 7:00am to 2:45pm, Monday to Friday).

- **Earthing Systems:** Lightning protection and earthing systems unless specifically nominated in the quotation.
- **Additional Nozzles:** Additional tank nozzles beyond those listed within the project connection schedule.
- **Waste Disposal:** Construction waste disposal. Packaging materials will be placed in a designated area or client-supplied bin. Supply of bins and disposal of waste by others.
- **Test Water Supply & Discharge:** Provision, supply, continuous delivery, and subsequent environmental discharge or disposal of water required for hydrostatic testing.
- **Statutory Fees & Permits:** Council fees, building permit fees, headworks charges, authority contributions, road closure / traffic management permits, or independent certifier review fees.
- **Temporary Site Facilities:** Provision of temporary scaffolding, perimeter fall protection fencing, hoarding, task lighting, or temporary site power generators.
- **External Access Walkways & Stairs (Additional):** External interconnecting catwalks, elevated crossover platforms, or stair towers connecting to adjoining equipment or buildings (unless specifically quoted).
- **Finishes & Protective Coatings (Additional):** Specialty protective coatings, external painting, or architectural powder coating beyond APP's standard mill/galvanised/powder-coated factory supply.
- **Civil Cast-in Embedments (Additional):** Cast-in hold-down bolts, slab rebates, penetrations, core drilling, chemical anchor fixing into client slabs, or concrete plinth waterproof membranes.

Chargeable Variations

The following items, services, and compliance packages are excluded from standard pricing but can be provided as chargeable variations upon request:

- **Third-party certification:** Third-party engineering certification and independent verification.
- **Compliance Certificates:** Structural compliance certificate only (Reg 126(a), Form 15 or equivalent), excluding calculation package.
- **Structural Calculations Package:** Structural compliance certificate with project-specific structural calculations package including design calculations, load assessments, seismic analysis, hydrostatic pressure analysis, FEA assessment, connection and member checks, and design outputs.
- **Importance Level Upgrades:** Importance Level 4 (IL4) or project-specific importance level upgrades.
- **Seismic Engineering Upgrades:** Project-specific seismic calculation packages or upgrades.
- **Third-Party Site Inspections:** Third-party site inspections.
- **Drawing Revisions:** Additional drawing revisions beyond agreed allowances.
- **Multiple Consultant Reviews:** Multiple review cycles from consultants and/or third parties.
- **Remobilisation:** Remobilisation for testing or inspections.
- **Confined Space Personnel:** Confined space standby personnel.
- **Client Delays:** Client delays and standby time.
- **Storage Costs:** Storage of completed materials.
- **Inductions & Security:** Project-specific inductions, permits or security requirements.

- **BIM / LOD Models:** Detailed construction BIM/3D models showing all tank components, nozzles and interfaces.
- **Weekend & Night Shifts:** Overtime labor, Saturday/Sunday work, or night shift installations requested outside standard operating hours.
- **Plumbing & Authority Certification (Additional):** Victorian Building Authority (VBA) plumbing compliance certificates, or whole-of-facility commissioning documents.
- **Environmental & Water Disinfection:** Project-specific chemical dosing, chlorination, microbiological testing, and NATA-accredited water quality laboratory test certificates.

Lendlease CiDD & Tier 1 Compliance Packages (P.O.A.)

Where required for Tier 1 contractors, infrastructure, or complex developments, APP offers specialized CiDD compliance packages priced on application (P.O.A.). Standard package deliverables include:

- **Structural Compliance:** Relevant structural compliance certificate (Reg 126(a), Form 15 or equivalent).
- **Independent Verification:** Project-specific independent third-party structural review and certification.
- **Engineer Inspection:** One completed installation inspection by an APP engineer (Melbourne metropolitan area).
- **Material Traceability:** Bolt and material traceability records for project-specific materials.
- **Torque Verification:** Calibrated torque equipment verification records, limited to one bolt verification per panel seam unless otherwise specified.
- **Submission Package:** CiDD compliance submission package.
  IMPORTANT LIMITATION
  Optional certification and compliance services apply only to the expressly stated deliverables. They do not transfer responsibility for foundation design, building approval, hydraulic services design by others or whole-of-project compliance to

Important Commercial Clarifications & Terms

COMMERCIAL CLARIFICATION & VARIATION ENTITLEMENT
Any additional certification, inspection, engineering review, design verification, testing, reporting, hold points, traceability requirements or documentation requirements imposed by the Principal, Builder, Consultant, Independent Certifier or other third party that are not expressly included within APP's proposal shall be treated as a variation and charged accordingly.

- **Precedence of Documents:** In the event of any discrepancy or conflict, the project-specific formal APP Quotation and agreed technical qualifications take immediate precedence over general marketing, standard web scope documents, or tender guidelines.

- **Standby & Incomplete Slab Penalties:** If APP's installation crew attends site following client notice and the slab is found out of tolerance (greater than ±3 mm), clearances obstructed, or access blocked, standby hourly rates and remobilisation charges will be levied automatically.
- **Warranty Conditions:** The 10-year warranty remains strictly contingent upon regular routine inspections and maintenance carried out in strict accordance with AS 1851 and APP O&M guidelines. Failure to service the tank, chemical attack from untreated water, or unapproved structural modifications will void the warranty.