**To be used for every set up of a concrete pumping activity – renewed for every pour**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Workplace: |  | | | Location: | | | | |  | | | |
| Service Provider: |  | | | | | | | | | | | |
| Operator Name: |  | | | Concrete Pump Serial No. | | | | |  | | | |
| Spotter Name: |  | | | Date of Last Inspection: | | | | |  | | | |
| Work to be undertaken: | | | | | | | | | | | | |
| Permit valid from: |  | | | | Permit expires: | |  | | | | | |
| **Prestart** | | | | | | | | | | **Yes** | **No** | **N/A** |
| * Operator holds a National High-Risk Work Licence (placing boom) – view card | | | | | | | | | |  |  |  |
| * For stationary/satellite booms, boom pedestals and column heads have been installed as per the manufacturer’s specifications by a competent rigger and verifying they are safe to use | | | | | | | | | |  |  |  |
| * Prestart operational inspection completed | | | | | | | | | |  |  |  |
| Static Concrete Pumping Plant (complete for Static Systems) | | | | | | | | | | | | |
| * Has clearance from overhead and horizontal hazards been considered in set-up and tested once set-up | | | | | | | | | |  |  |  |
| Checks Common to Static and Mobile Concrete Pumping Plant (complete for either static or mobile plant) | | | | | | | | | | | | |
| * All metal pipes and pipeline components are identified and inspected before installation | | | | | | | | | |  |  |  |
| * Is the designated pressure of the pipeline compatible with the rated maximum concrete pressure of all pumps to be used on the pipeline during normal operations | | | | | | | | | |  |  |  |
| * Is every pipe segment and bend is numbered with either a welded identification plate or stamp | | | | | | | | | |  |  |  |
| * The pipe log book has a record taken at a minimum of monthly intervals, of wall thickness / crack test and pressure details for each segment in use, plus mouth pipe and thickness * Have all bends and elbows been disconnected and gauge tested with callipers no more than one month ago? | | | | | | | | | |  |  |  |
| * Compressed air hoses have fail-safe joint connectors. Tremies, elephant trunks, and other such sections are secured with fail-safe chain or wire rope in addition to regular couplings or connections | | | | | | | | | |  |  |  |
| * Pipe clamps have locking pins installed and engaged and all clamps/couplings have safety clips/pins | | | | | | | | | |  |  |  |
| * Fixed/Static pipelines are secured and supported to building / structure. Pipelines are not to be fixed to scaffolding, hoists, crane towers, formwork etc. | | | | | | | | | |  |  |  |
| * Each section of pipeline is adequately supported and secured to the building to avoid extra load on the pipe clamps | | | | | | | | | |  |  |  |
| * Cranes or hoist towers, scaffolding or formwork have not been used to secure the pipeline (unless designed for this purpose) | | | | | | | | | |  |  |  |
| * Hopper fitted with grates/guards to prevent a hand access and interlock to stop pump if opened | | | | | | | | | |  |  |  |
| * Exclusion zone identified | | | | | | | | | |  |  |  |
| * Concrete buggies (Georgia buggy) handles do not extend beyond the wheels on either side of the buggy | | | | | | | | | |  |  |  |
| * Concrete trucks have an identified clear path to approach and leave | | | | | | | | | |  |  |  |
| * Water supply available | | | | | | | | | |  |  |  |
| * Stormwater inlets or other water channels located near the pump set up area are protected from potential spills, e.g. hydraulic failure | | | | | | | | | |  |  |  |
| * A spill kit is located on the project with bulk absorbent material, i.e. 10kg bag(s) of absorbent granules | | | | | | | | | |  |  |  |
| **Mobile Concrete Pumping Plant (complete for Mobile Systems)** | | | | | | | | | | | | |
| * Set up of boom pumps are clear of excavation edges / back-filled ground; on clear, level ground with a firm base that can support the pump unit (including outriggers) plus concrete delivery trucks with clear access. Pump set-up level (within manufacturers requirements) | | | | | | | | | |  |  |  |
| * The maximum inclination of the concrete boom is 3 degrees and the incline of the plant does not exceed the manufacturers recommendation | | | | | | | | | |  |  |  |
| * The discharge area and the approach for the concrete delivery truck are clear and stable | | | | | | | | | |  |  |  |
| * Outriggers set on sole plates/suitable packing – fully extended unless manufacturer specifies otherwise | | | | | | | | | |  |  |  |
| * Ground compaction data for the concrete pump has been provided and are the ground compaction and sole plates are adequate | | | | | | | | | |  |  |  |
| * Situational risks, overhead and underground services, other plant and structures are identified. For overhead powerlines the No Go Zone is defined and communicated | | | | | | | | | |  |  |  |
| * Delivery hose secured by a safety chain or sling | | | | | | | | | |  |  |  |
| * Ensure 90-degree bends strengthened against movement | | | | | | | | | |  |  |  |
| **Traffic Control - where there is a lane closure or other occupation of public land/road** | | | | | | | | | | | | |
| * Has a Permit been provided by the Local Government Authority? | | | | | | | | | |  |  |  |
| * Has a traffic management plan been prepared? | | | | | | | | | |  |  |  |
| * Are traffic control personnel wearing high visibility clothing? | | | | | | | | | |  |  |  |
| * Is there alternative pedestrian access / non- slip ramp fixed over the pipe?? | | | | | | | | | |  |  |  |
| * A spotter is nominated for reversing trucks to prevent unauthorised access between hopper and truck. | | | | | | | | | |  |  |  |
| * Have certified traffic controllers been engaged to direct traffic during the pumping operation? | | | | | | | | | |  |  |  |
| * Are signs and barricades displayed where the pump is set up to prevent unauthorised access to, or around, the pump? | | | | | | | | | |  |  |  |
| **The Job Safety & Environment Analysis considers:** | | | | | | | | | | **Yes** | **No** | **N/A** |
| * Operational interface requirements (to other plant) have been considered | | | | | | | | | |  |  |  |
| * Operation of the hydraulic functions have been tested | | | | | | | | | |  |  |  |
| * Positive communication plan in place between plant operator, spotter and others performing the task | | | | | | | | | |  |  |  |
| * Hose whip considered | | | | | | | | | |  |  |  |
| * Line hand operator competent - training and experience | | | | | | | | | |  |  |  |
| * Remote control unit kept secure to avoid unauthorised use, and unplanned movements | | | | | | | | | |  |  |  |
| * Delivery hose kept near vertical, not stretched out sideways & attended at all times when under pressure | | | | | | | | | |  |  |  |
| * Delivery hose cleaned regularly to avoid concrete hardening in the hose | | | | | | | | | |  |  |  |
| * Line hand must always have at least 3 metres from potential fall locations, or have fall protection installed | | | | | | | | | |  |  |  |
| * Access for the line hand to pour columns is planned, safe and secure | | | | | | | | | |  |  |  |
| * Clearing of blockages, method is detailed | | | | | | | | | |  |  |  |
| * Unauthorised entry between hopper and concrete trucks maintained - spotters used when reversing. | | | | | | | | | |  |  |  |
| * During pumping no one is to stand on the hopper grate | | | | | | | | | |  |  |  |
| * A concrete placing boom not to be used as a hoist/crane (e.g. picking up helicopters, extra lengths of rubber hose etc). | | | | | | | | | |  |  |  |
| * If pump needs to move whilst on site - the boom is folded into the travelling position first. | | | | | | | | | |  |  |  |
| **Does the documented pipeline purging/clean-out procedure include?**  **Note: With preference to using water rather than air.** | | | | | | | | | | **Yes** | **No** | **N/A** |
| * Appropriately competent and experienced personnel shall only undertake this task | | | | | | | | | |  |  |  |
| * Maximum line pressures have been checked and are adequate for the work | | | | | | | | | |  |  |  |
| * Delivery hose disconnected | | | | | | | | | |  |  |  |
| * Pump operator remains at controls during pressurisation | | | | | | | | | |  |  |  |
| * A positive catchment device is fitted to the discharge pipeline | | | | | | | | | |  |  |  |
| * All workers are kept clear of the discharge pipeline during the cleaning operation | | | | | | | | | |  |  |  |
| * Water Purging - discharge into a suitable containment bund/designated wash-out area * Air Purging - discharge into a correctly designed receptacle or a securely attached catch basket | | | | | | | | | |  |  |  |
| * Is an impervious plastic lining or appropriate washout tray placed below the pump’s hopper to contain any possible spillage? | | | | | | | | | |  |  |  |
| * Is a designated area, clear of other personnel, provided for clearing the pump lines which is away from stormwater inlets or other environmentally sensitive areas or is the designated area bunded? | | | | | | | | | |  |  |  |
| **Corrective Action required for any marked No above** | | | | | | | | **By who** | | **Date Completed** | | |
|  | | | | | | | |  | |  | | |
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| **All Corrective actions to be completed prior to authorisation** | | | | | | | | | | | | |
| **Verified by Nominate Mirvac Representative:** | | | | | | | | | | | | |
| Name: | |  | Signature: |  | | Date: | | | |  | | |
| **Concrete Pump Operator** | | | | | | | | | | | | |
| Name: | |  | Signature: |  | | Date: | | | |  | | |