POLICY FOR USE OF CONCRETE PUMPS AND DISTRIBUTION MASTS

Potential Risks: Limited space (outrigger deployment), mechanical problems, overturning or tipping over of the pump, failure of or breaking of the mast, reduced visibility for operator, danger from lightning and fire, power line contact, accessibility constraints (concrete formwork), burns, pinching or crushing, striking or trapping, splashed in the eyes, whipped by air hose, excess pressure in the pipe, prolonged exposure to noise, pinching, falls, fall of heavy objects, exposure to hazardous products (WHMIS).

Objective
This policy establishes the rules that must be applied to prevent the risks of using concrete pumps and distribution masts on construction sites.

Scope
This policy applies to any person under the authority of, and conducting any associated work for, the benefit of EBC or its subsidiaries.

At all times, this policy and procedure should be diligently applied with professionalism and respect for others. In case of doubt or conflict in its application, managers have the responsibility to contact EBC Human Resources management for guidance in its implementation.

Distribution
This policy must be provided to all persons, working both on and off project sites, during their orientation session.

LEGEND

☐ The behavior or activity required by the organization.

☒ Important non-compliance for the organization

Planning

☐ Concrete Pumps must meet industry standards, as well as current regulations.

☐ Prior to arrival at the project copies of the equipment mechanical compliance certificates dated less than a year old shall be provided. These documents must be completed by a technically certified person and also be available in the equipment provided to the site.

☐ The employer must ensure that only the people trained and who have the required industry certifications are permitted to operate the equipment.

☐ A work method must be developed prior to the work being started and must be reviewed with the workers involved. It must prescribe optimal positioning of persons to avoid as much as possible being under the mast during the pumping of the concrete.
Organization

- The work area for the concrete pump must be defined by barrier tape, cones, barricades, or some other means of identification.

Control

- The operator must not leave the controls unattended or engage in any other activity that might distract him while the machine is in operation without having stopped it beforehand and following manufacturer’s recommendations. In addition, it must be stopped immediately in case of over pressurization.

- Nobody is allowed to stand under a distribution mast while it is positioned and connected to a concrete pump. Nobody is allowed in the work area that can be reached by the distribution mast except for the workers pouring and finishing the concrete.

- The operator must take the necessary precautions to protect other persons during equipment operation, including warning the persons to move out of the way.

- Equipment cleaning and maintenance may only be performed by authorized persons according to the manufacturer’s instructions.

- The operator must make sure to respect manufacturer’s instructions as per addition of flexible hoses (maximum permitted length).

- The concrete pump operator must perform his pre-operational inspection and fill out the logbook prior to using the pump.

If the rules of the main contractor, safety code or any regulation are different than those described above, the strictest shall apply.

Roles and Responsibilities

For the employee, worker, subcontractor, etc.:

Everyone has the obligation to respect and enforce this policy and procedure.

The Manager

The manager ensures compliance of this policy for the staff under their responsibility and ensures that the policy is known by all. In case of conflict, they shall communicate with the human resources department.

Human Resources Management

Human Resources management is responsible for ensuring the updates and distribution of the current policy. They must also oversee administration and determine disciplinary measures deemed appropriate for enforcement.
Disciplinary Measures

The person who does not respect the policy mentioned above will receive:

1- A verbal warning stating the correction(s) to be made, documented in the form of a correction or reprimand notice.

2- In the case of a repeated offence, a written warning is again written in the form of a correction or reprimand notice and is given to the person and to their superior.

3- Subsequently, if there is a recurrence, a write-up along with stricter disciplinary action resulting in an expulsion from the workplace for 1-2 workdays will be given.

4- In case of any further recurrence, a third written warning will be provided that can result in dismissal or expulsion from the project or a definite period of time.

5- Special Case:
   When a person breaches a description for an Important organization non-compliance

In this specific case, the task performed must be stopped IMMEDIATELY, the first notice will correspond directly to step number 3 of disciplinary measures and the person will be expelled for a duration of 2 work days.

In case of any further recurrence, step 4 will apply regardless of the number of prior warnings given.

Definitions

**Pump-Truck**: A unit consists of the concrete pump, the distribution mast, transport pipes and the truck on which they are installed;

**Concrete Pump**: An apparatus used to transport concrete into rigid or flexible pipes to the locations it will be distributed and used.

**Distribution Mast**: A motorized and articulating unit including one or more deployable parts, capable of supporting and directing the transportation of concrete pipes.

References:

- Regulations on concrete pumps and distribution masts
- **Z151-09** Concrete pumps and distribution booms
- Safety code for construction work