

## POWER CONSTRUCTION COMPANY CCIP PROGRAM SAFETY REQUIREMENTS

The following requirements apply to all subcontractors including tier subcontractors, vendors, deliveries, visitors and the like (herein known as subcontractors). Subcontractor agrees to comply with requirements contained in Power's published safety programs including, without limitation:

- 1) Safety Requirements as outlined herein
- 2) Subcontractor Site Safety Requirements and Procedures
- 3) Project site-specific safety plan
- 4) All applicable local, state and federal requirements

Power expects all subcontractors to work together to build a safe and successful project. This includes participation in all site safety programs, proper staffing and support of the project, and compliance with all requirements stated herein.

### SAFETY EDUCATION WORKSHOPS

Subcontractor principals, Project Managers, Superintendents, Safety Representatives and Site Supervisors are required to attend a CCIP and safety expectation workshop prior to commencing work at the project. The purpose of the workshop is to provide a clear understanding of the safety and risk management expectations for the project, review the insurance protocols for the project and address any concerns in advance of said subcontractor's mobilization. Work will not commence until a pre-construction meeting has occurred at the project with said subcontractor.

### PRE-CONSTRUCTION MEETING

Subcontractors shall ensure that their project management and other key personnel, including their Site Supervisor and Safety Representative as a minimum, attend a pre-construction meeting with the project management staff where planning for safe execution of the project will be addressed.

### WEEKLY CONSTRUCTION COORDINATION MEETING

Each Subcontractor shall attend a weekly construction coordination meeting. The purpose of the meeting is to advise other Subcontractors and the project management staff of the scope of work to be performed and hindrances, if any. Safety shall be the first topic discussed.

### SUBCONTRACTOR SAFETY REPRESENTATION

Each Subcontractor of any tier shall designate an on-site safety representative who is charged with the responsibility of on-site safety management for their employees. At minimum, the supervisor shall:

- 1) Meet the requirements of a "Competent Person" as defined by OSHA for all phases of construction.
- 2) Complete an OSHA 30-Hour Construction course current within three (3) years (unless otherwise noted in writing by Power).
- 3) Remain on the Project at all times when their workforce is on-site
- 4) Each "Competent Person" will be required to participate in regular safety meetings and site safety walks, as determined by Power.
- 5) The Subcontractor's designated Corporate Safety Representative is expected to make at a minimum weekly jobsite visits to audit implementation of the Subcontractor's safety and health plan. This representative will also be required to attend regular corporate on site safety meetings, as determined by Power. Additional on-site safety and health staffing will be defined in the individual trade scopes.
- 6) The Subcontractor will provide a copy of all documented inspections, observations, or reports to Power.

- 7) A Safety Leadership Team (Safety Committee) will be established for the duration of this Project. Each Subcontractor shall designate a non-supervisory member of its work crew to attend each meeting and represent the Subcontractor performing work on site.
- 8) A Subcontractor's inability to comply with the Project Safety Program will require the addition, by the Subcontractor, of a full-time Safety Representative whose sole responsibilities include the enforcement of the Project Safety Program with respect to the Subcontractor's Work. This Safety Representative, if required, will be added at the applicable Subcontractor's cost.
- 9) The subcontractor will be required to provide a full-time safety professional on the project based on the risk of the subcontractor's work and/or as required by Power

#### SUBCONTRACTOR'S SITE SPECIFIC SAFETY AND HEALTH PLAN

Each Subcontractor shall establish and submit for review a written Site Specific Safety and Health Plan that includes details commensurate with the work to be performed. The Subcontractor's Site Specific Safety and Health Plan shall clearly describe the Subcontractor's methods for meeting its obligations to provide a safe and healthful work environment, as well as to protect other trades, vendors, visitors and members of the general public from the exposures generated by the Subcontractor's work. The Subcontractor's Company Safety Manual will not be accepted as a substitution for a Site Specific Safety Plan. The following will be submitted prior to the Subcontractor's mobilization to the project:

- 1) A written Project Site Specific Safety & Health Plan
- 2) Identify safety roles and responsibilities for subcontractor employees
- 3) Hazard Communication Program, including current MSDS and table of contents. A project specific MSDS file shall be maintained on-site for employee review
- 4) Specific job hazard identification and worker training
- 5) Return to Work Program
- 6) Substance Abuse Program
- 7) Crane inspection reports – annual certification reports required prior to equipment operation
- 8) Job Hazard Analysis
- 9) Competent person qualifications and training records
- 10) As a condition of their contract, all Subcontractors shall submit to Power or designee a Site-Specific Safety Plan within fifteen (15) days after receipt of notice to proceed and prior to start of construction activities.

#### SAFETY ORIENTATION

Prior to starting work on the Project, all employees are required to attend a site-specific safety orientation provided by Power. The orientation will cover general safety and health rules, regulations and site-specific policies and hazards. The Subcontractor shall be responsible for scheduling orientation of their employees and visitors with Power.

#### SAFETY RECORDINGKEEPING AND FILES

The Subcontractor shall provide the following documentation and ensure the information is accurate and complete prior to submittal. All documentation will be submitted weekly unless otherwise noted.

- 1) Weekly safety meeting reports (toolbox talks) – including meeting topic(s) and employee attendance sheets
- 2) Specific job hazard worker training
- 3) Equipment inspection reports as required
- 4) Mobile crane checklist
- 5) Monthly crane inspection
- 6) Annual crane certification (prior to equipment brought to site and as annual inspection is completed)
- 7) Completed Job Hazard Analysis to identify and mitigate all foreseeable hazards
- 8) Daily Huddle

- 9) Incident and near miss investigation reports (written report required within 24 hours of incident)
- 10) Subcontractor Safety Inspection Reports – Designated Corporate Safety Representative to submit weekly at a minimum. Reports may be required more frequently based on the specific trade.
- 11) Daily Reports (submitted daily)
- 12) Hot Work Permits
- 13) Additional documents per project site specific safety plan

#### JOB HAZARD ANALYSIS (JHA)

Detailed JHA's addressing hazards associated with the Subcontractor's scope of work are required as part of the Subcontractor site specific safety plan submittal. The Subcontractor shall also prepare additional JHA's upon request and modify as the work process and/or associated risks change. These procedures will be reviewed with all affected employees prior to starting the work or after modifications to the JHA, by the subcontractor. Documentation of this review will be submitted to Power on a regular basis (as completed).

#### DAILY HUDDLE PROCESS

Each contractor will be responsible for conducting a daily huddle with each crew to identify the work activities for the day, the associated hazards of the work and the control measures to be implemented. This process will be documented and submitted to Power on a weekly basis.

#### SCAFFOLDS, STAIR TOWERS AND WORK PLATFORMS

- 1) Documentation of training is required for the use of any scaffold as determined by the City of Chicago and/or OSHA. This documentation must be submitted to Power project management before the use of, alteration, or erection/dismantling of any scaffold on the project.
- 2) The designated competent person must complete the scaffold inspection prior to allowing workers on the scaffold each shift, and submit any documentation to Power at the end of each shift.

#### FALL PROTECTION AND PREVENTION

- 1) All employees exposed to fall hazards greater than 6' above a lower level shall be protected by means of fall prevention or fall protection devices. Where fall hazards cannot be eliminated, 100% continuous fall protection for fall hazards greater than six (6') feet shall be implemented on this Project.
- 2) Each Subcontractor shall be responsible for outlining specific means and methods for meeting fall protection requirements in their Job Hazard Analysis. The JHA shall detail in writing when fall protection is required, what equipment and systems will be utilized, the training users of the system have received, and how this protection is to be installed and used. Provisions for prompt rescue shall also be provided.

#### EXCAVATIONS AND TRENCHING

- 1) No excavation shall commence on site, regardless of size, depth, or equipment used unless the operation has been authorized by Power through an Excavation Permit procedure to ensure the dig area has been evaluated and marked for existing utilities, and that adequate cave in protection is provided as required.
  - i) Each Subcontractor is responsible for one-call notifications, obtaining their own dig authorization number and required to provide and coordinate secondary independent locates. All investigation and associated excavating will be done in accordance with Power's Utility Locate Policy.
  - ii) Each Subcontractor is responsible for barricading and/or covering any excavation at the end-of-shift, as warranted by the size and exposure of said excavation.

## HOUSEKEEPING AND WASTE DISPOSAL

- 1) Subcontractor is responsible to comply with the City of Chicago Housekeeping Ordinance, when applicable.
- 2) Subcontractor is responsible for daily and continual clean-up of their work areas, including dust elimination/minimization during the clean-up process. Subcontractors are responsible for assuring that trash and debris remain out of the work areas.
- 3) Subcontractors shall monitor their work areas daily or more frequently if needed to assure that all debris is removed from the work area to minimize hazards
- 4) Wet cutting methods are to be utilized for all concrete cutting. Dust control measures (engineering or other controls) are to be implemented for all other silica and dust-generating operations.

## CRANES AND HOISTING EQUIPMENT

- 1) All lift service cranes shall have anti-two block devices installed and functioning properly.
- 2) All lift service cranes shall have load moment indicators (LMI) functioning at all times during operations.
- 3) Pick and carry operations with rubber-tire mobile cranes is not permitted.
- 4) All hoisting classified as a "Critical Lift" requires additional planning and must be reviewed by the Power project team. A critical lift is defined as a lift meeting one or more of the following criteria: exceeding 75% of the rated capacity of the crane, two crane picks and/or high-risk lifts.  
A minimum lift plan must include:
  - i) Completed Critical Lift form
  - ii) An elevation view drawing of the crane
  - iii) Plan view drawing of the crane
  - iv) Load analysis and lifting procedures
  - v) Rigging analysis
- 5) A third party inspection is required for all cranes on an annual basis
- 6) Power's Mobile Crane Checklist must be completed by a competent person on a daily basis and prior to operating a mobile crane at the project.
- 7) Power's Tower Crane Checklist must be completed by the subcontractor prior to operating and throughout the duration of tower crane use at the project.

## WELDING, CUTTING AND HOT WORK

- 1) A Hot Work Permit, authorized by Power is required for an operation that uses or produces heat, flame, sparks or hot slag.
- 2) The maximum duration of any Hot Work permit is one shift.
- 3) Subcontractor shall provide a designated fire watch for areas adjacent to or below its hot work activities where the potential exists for hot sparks or slag to migrate through wall or floor openings. Additionally, a one hour fire watch is required after the completion of all hot work.

## PERSONAL PROTECTIVE EQUIPMENT

- 1) Eye and Face Protection  
All employees shall wear safety glasses 100% of the time while on the construction site. Minimum eye protection shall include approved safety glasses with side shields which meet the standards specified in ANSI Z-87.1-1989 (this shall also include prescription eyewear).
- 2) Additional eye and face protection in combination shall be worn when:
  - i) Welding, burning or cutting with torches
  - ii) Using abrasive wheels, portable grinders
  - iii) Drilling, cutting or chipping at or above shoulder level
  - iv) Chipping concrete, stone or metal
  - v) Working with any materials subject to scaling, flaking or chipping
  - vi) Drilling or working under dusty conditions
  - vii) Using explosive actuated fastening or nailing tools

- viii) Working with compressed air or other tools
- ix) Using masonry saw
- x) Additional PPE as determined by the Daily Huddle and Job Hazard Analysis

## HEAD PROTECTION

All employees, vendors, delivery personnel and other visitors to the project shall wear hard hats that meet ANSI Z 89.1-1986, 100% of the time while on the construction site. Hard hats shall be worn facing forward, with the bill in front.

## FOOT PROTECTION

All personnel on the construction site shall wear hard-soled work boots. No one is permitted to wear sneakers, tennis shoes or athletic shoes of any type, sandals, high heels or open toed shoes on the construction site.

## FORKLIFTS

Only trained and authorized personnel will be allowed to position or operate any type of powered industrial truck (forklift). These individuals shall perform pre-operational inspections prior to each shift.

## AERIAL LIFTS

Only trained and authorized personnel will be allowed to position or operate any type of employee elevating device. Operators shall perform pre-operational inspections prior to each shift.

## INCIDENT REPORTING AND RETURN TO WORK PROGRAM

Subcontractors must report all injuries, occupational-related illnesses, property damage and other project-related incidents to the Project Safety Supervisor or Power supervisor immediately. All subcontractors must provide a written report with facts from the incident investigation to the Project Safety Supervisor within 24 hours. Failure to report a claim immediately and or to submit written report within 24 hours of an occurrence may result in a \$5000 penalty per occurrence.

All subcontractors understand that having a comprehensive and effective return to work program is a precursor to bidding the project. The return to work program must be able to immediately accommodate any and all reasonable medical restrictions that occur as a result of incident on the project.

- 1) Only contractor employees involved in an incident on the project are eligible for return to work / "light duty" restrictions on the project;
- 2) On an as-needed basis, contractors may be required to identify, in writing, potential return-to-work job tasks with corresponding physical requirements that can be reviewed by a treating physician;
- 3) Return to work coordination with Power, the carrier and all other applicable parties is required as soon as reasonably possible after an incident.

Each subcontractor is required to provide provisions to accommodate restricted duty for work-related injuries and illnesses as part of a comprehensive Return to Work Program. Subcontractors who fail to accommodate restricted duty will, at their cost, be subject to one or more of the following (per occurrence):

- 1) Utilize a placement service for restricted duty accommodations in coordination with Power and its insurers.
- 2) Be responsible for all costs associated with temporary total disability payments for workers on restricted duty plus administration cost.
- 3) Subject to terms in accordance with the subcontract agreement.

## SUBSTANCE ABUSE PROGRAM

Each Employer must include in its Substance Abuse policy and program the requirements for drug and alcohol testing under the following circumstances:

- 1) Pre-placement Testing – A pre-placement drug and alcohol screening test must be administered to all job applicants and Employees who will be assigned to work at the Project. The Employer will assign an authorized representative(s) who will verify that the required screening tests has been conducted no more than 48 hours prior to the Employee's assignment to the Project and that the results of the tests are negative, prior to the Employee beginning work on the Project. The authorized representative shall be the sole individual authorized to communicate with representatives of Power regarding any testing program procedures and test results. The authorized representative shall provide written proof of negative results to Power.
- 2) Post-incident Testing – Drug and alcohol testing shall be required of Employees involved in any safety incident, including when the Employee:
  - i) has sustained a work-related injury requiring medical attention;
  - ii) has caused another employee to be injured in a work-related incident;
  - iii) has caused or was involved in a work-related incident resulting in, or which has the potential to result in, property damage; or
  - iv) was involved in a 'near miss' (defined as an occurrence that has the attributes of an incident, yet has no apparent damage to person or property);
- 3) Reasonable Suspicion Testing – Drug and alcohol testing may be required of Employees should the Employer or authorized representatives of Power have reasonable suspicion that the Employee is under the influence of drugs or alcohol;
- 4) Re-assignment Testing – Employees who leave the Project for a period of 6 months or more will be required to re-submit to the pre-placement testing process. All requirements applicable to the pre-placement testing process will be adhered to in such cases.

## DISCIPLINE AND NON-COMPLIANCE PROCEDURES

Each subcontractor has the responsibility to implement and manage an effective safety and risk management program in accordance with Power's Safety Requirements and all applicable laws and standards. A subcontractor's inability to comply with the Safety Requirements will result in, at Power's discretion, one or more of the following:

- 1) Training for subcontractor's employees at the subcontractor's cost;
- 2) Removal of subcontractor employees from the project;
- 3) Additional full-time supervision and or safety representative to the project at subcontractor's expense;
- 4) A \$1,000 fine per occurrence;
- 5) Subject to terms in accordance with the subcontract agreement.

All costs and expenses paid or incurred by an Employer in the implementation and administration of the project Safety Program shall be paid by such Employer.