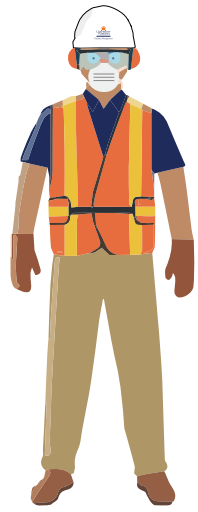


# HEAT PLANT MASTER SAFETY DOCUMENT

**This document is not to supersede any existing signage.  
All UVA safety programs must be followed.**



- ✓ Contractors and Visitors please sign in when entering building.
- ✓ Contractors NOTIFY CONTROL ROOM prior to starting any work.
- ✓ Always keep safety glasses, gloves, and hardhat accessible.
  - ❖ Gloves- **Must be worn** while performing tasks.
  - ❖ Safety glasses and Hardhat- **Must be worn** while in operating areas, (not required while in control room, break room or offices)
  - ❖ Hearing Protection- **Must be worn** in designated areas
  - ❖ Respirator- **Must be worn** while unloading Fly Ash and Coal

## The 5 P's,

### **Proper Planning Prevents Poor Performance.**



- ✓ Fill out and review pre-job safety analysis, and necessary checklists with the crew. (Electronic or hard copy)
  - ❖ JHA- **Must be completed** for every job, on a daily basis.
  - ❖ Hot work permit- **Must be completed** when creating any flame, creating any sparks, and welding.
  - ❖ Confined space entry permit- **Must be completed** when work is to be done inside of any permit required confined space.
- ✓ Extra care must be taken when working in tunnels, vaults, manholes, and confined spaces.
  - ❖ **Do not** go alone, have at least one other person with you.
  - ❖ Carry a calibrated, tested, **air monitor** with you.
  - ❖ When changing atmosphere (welding, painting, etc.), areas become permit required confined spaces.
  - ❖ Plan your escape routes in case of emergency. (Notify appropriate personnel i.e., fire department)



- ✓ Protect the public.
  - ❖ Put a manhole ring around open manholes.
  - ❖ Contain your work area from bystanders.
- ✓ Housekeeping is extremely important in places such as jobsites, shop, and storage areas.
  - ❖ **Clean as you go, sign of a pro.**
  - ❖ When not in use, keep extension cords and welding leads wrapped up.
  - ❖ When in use, run cords and leads overhead whenever possible to prevent tripping.
  - ❖ Separate metals/recyclables from trash and dispose in proper receptacles.
- ✓ Inspect all tools and safety equipment prior to each use. Notify the supervisor of any damaged items for replacement and remove from service immediately.
- ✓ Stay hydrated regardless of temperature, Watch for signs and symptoms of heat exhaustion and hypothermia
  - ❖ Heat exhaustion- dehydration, dry sweats, cramps
  - ❖ Hypothermia – shivering, lack of coordination, bright red cold skin
- ✓ Be aware of your surroundings, look after your co-workers, and watch for bystanders.
- ✓ Drive with extra caution while on grounds.
- ✓ **Be alert and stay focused, conditions can change without warning. If conditions change, stop work, and re-evaluate the situation. Do not panic in the event of an emergency, try to remain calm so that you can make good decisions.**



- ✓ Be aware of known and potential hazards
  - ❖ Known hazards
    - Hot Pipes/Surfaces
    - Equipment may start/stop automatically
    - Chemical Hazards/exposures
    - Burn hazards
    - Electrical hazards (low, medium, high voltage)
    - Loud noises
    - Moving conveyer parts
  - ❖ Potential hazards
    - Fire and explosions
    - Low air quality/ high particulates
    - Steam leaks/vent may be present
    - Heat Stress
    - Mechanical Failures
- ✓ Remember the **6 NEVER EVENTS** (Accidents in these areas can be fatal!) Identify Competent Person
  - ❖ Confined Space
  - ❖ Electrical
  - ❖ Excavation
  - ❖ Fall Protection
  - ❖ Hoisting/Rigging
  - ❖ LOTO

