Training hours – detailed

A. Fuel oil unloading & transferring  ____ hours
   1. Trace and sketch boiler fuel oil system
   2. Line up, recirculate, and leak check fuel oil system
   3. Maintain inventory log
   4. Clean strainers

B. Boiler and auxiliary maintenance  ____ hours
   1. Prepare for annual inspection – drain, flush boilers, open handholes, manholes and inspection plugs
   2. Clean fire and water sides of boilers
   3. Replace gauge glasses

C. Boiler and auxiliary operation  ____ hours
   1. Trace and sketch main and auxiliary systems, condensate return and boiler feed systems
   2. Boiler light off
   3. Boiler load operation – critical and normal load conditions
   4. Boiler shut down – scheduled and unscheduled
   5. Load transfer – alternating boilers
   6. Alternating fuel supply
   7. Operation of soot blowers
   8. Blow down – surface and bottom blow
   9. Boiler troubleshooting
   10. Seasonal switch – low pressure to high pressure and back

D. Pumps and motor set maintenance  ____ hours
   1. Preventive maintenance on pumps and motors
   2. Corrective maintenance on pumps and motors

E. Fan and motor set maintenance  ____ hours
   1. Preventive maintenance on fans and motors
   2. Corrective maintenance on fans and motors

F. Generator maintenance  ____ hours
   1. Check fluid levels
   2. Run generator weekly (loaded)
   3. Trace and sketch generator fuel oil system
G. Safety training

1. Hearing conservation
2. Eye protection/PPE
3. Lock-out/tag-out
4. Use of ladders
5. Erection/disassembly of scaffolding
6. Fire prevention/fire alarm system
7. Using safety guards
8. Chemical handling/Right to Know/MSDS online
9. Confined space
10. Heat stress
11. SPCC
12. Respirator use
13. Basic electrical
14. Hazardous waste
15. Asbestos

H. Electrical system maintenance

1. Trace out and sketch main electrical feed to switchgear
2. Manual transfer of main switchgear
3. Troubleshooting electrical problems

I. Water treatment

1. Chemical treatment and testing of feedwater
2. Water softener operation and testing

J. Pneumatic control system maintenance

Operation and maintenance of feedwater controls

K. Steam valve and trap maintenance

1. Test steam traps
2. Repair/replace steam traps
3. Repack/recondition steam valves

Total ________ hours