

Message from Tim Clarke, CEO of DWMC

Welcome to our November newsletter. During the third week of this month our EPC contractor has completed the hydraulic pressure test on boiler 23. This timely milestone was made possible by the many lessons learned in the completion and testing of boilers 11 and 12 from block one. Our teams are making preparations for pulling and termination of the final section of the 132kv supply cables into the DM DS217 substation. This work will begin before the end of November.



The final section of 132kv cable trench approaching the DS217 Substation

Project Progress

The last remaining superheater modules will be installed in boiler 25 shortly and our EPC contractor is preparing to conduct the hydraulic test on boiler 24 before the end of this year. The plant fire mains have successfully passed the static pressure test required by the NFPA standard, and fire hydrants are being tested around the site to ensure adequacy of flow and nozzle discharge. The generator rotor shaft was installed in the turbine package this month and final closure of the LP and HP casing is expected during December. The water steam cycle system is nearing completion, with final connections being made to the return feed pipework from the Air Cooled Condensers to the condensate tank.



The Air Cooled Condenser units looking south

The main control room fit out is well underway with ongoing termination of fibre optic and control cables, the fitting of control suite furniture and display screen equipment, and installation of the DCS and BMS servers and software packages. The control room must be fully functional ready for the first early operations phase in Q2 2023.

Focus Spot IBA Pre-maturation area

During the combustion process, 20% of the waste used as fuel, is converted into ash. This means the DWE plant will be processing approximately 1,000 tons per day of incinerator bottom ash (IBA). The IBA is collected in hoppers underneath the boiler combustion chambers and transported via conveyor belts to the IBA pre-maturation area. Here metals are recovered and the ash is separated, depending on the particulate size.

Ash deposits are then transported to the main IBA maturation area where they remain for a minimum period of 12 weeks, to allow the moisture content and chemical constituents to stabilise. At the end of the maturation period ash is removed from site by Dubai Municipality for further applications or disposal. IBA is typically used by the construction industry in the manufacture of building materials and roadway surfaces.



Ash handling equipment installed in IBA pre-maturation area
Before the start of the UAE National Day holiday, the DWMC team gathered at site for a tour and a group photo.



DWMC Team gathering

For more information about the DWMC project, to request information or to raise a grievance please email us at info@dwmc.ae.