

Message from Tim Clarke, CEO of DWMC

As we approach the end of March, I am delighted to report our commissioning teams have fired boiler 11 for the first time using fuel oil. This milestone, referred to as the boil-out, marks a step change of project working into the hot commissioning phase, as we move towards the first waste fire, due in Q2. Our EPC contractor has started practical training for DM's waste truck drivers and access roads into the site, onto the weighbridges and tipping floor areas are now completed, which allows waste trucks to practise manoeuvring operations. There are different configurations of waste delivery trucks in the DM fleet, and our EPC contractor is developing procedures to ensure that unloading operations can be conducted safely at all times.



The main access road through the weighbridges onto the tipping floor is now completed

Project Progress

The installation and testing of the fire protection systems in block 1 and balance of plant areas are being finalised this month. This includes the fitting of fire doors on shaft 6, which is the escape route from the main control room, the installation and testing of the foam cannons that protect the waste bunker, and the connection of all fire zones to the main control room from the individual fire control panels in site buildings. Our contractor has recently revised HSE documents to reflect the changes to site works, including the Emergency Response and HSE plans. A new safety campaign will begin early in April entitled Hot Commissioning Safety, and our EPC contractor has just carried out a full site evacuation exercise to ensure all project personnel are aware of the revised fire escape plans for hot commissioning. Lubricating oil for the steam turbine generator has been circulating around the bearing pedestals this month, and final oil quality checks will be carried out next month. In the IBA area terminations of MV cabling in the E-house is nearly completed, and the final roof

and wall panels have been installed. Work in block 2 is proceeding well, with cable trays for boilers 24 and 25 nearly completed, and LV cable pulling in progress. Refractory works in boiler 25 are well advanced and our specialist boiler contractor will be carrying out inspections for the plasma spray coatings that were applied to all 5 boilers in Q3 last year.



DM waste vehicle drivers with EPC and O+M team trainers during driver training at waste bunker 1

Focus Spot-Oil Burners

Before waste is introduced into the boilers, the combustion chamber, boiler pipes and insulating materials must be heated up to 225 degrees C using diesel fuel. Fuel under pressure is mixed with air and sprayed into the combustion chamber by oil burners located at the 17 meter level on both sides of each boiler. This process known as the Boil Out takes about 5 days and is an important step in preparing the incinerator and boiler pipework for waste fire operations. Specialist contractors instal and commission the oil burner systems and additional fire protection systems are installed around the burners to protect the area from fire and leakage.



Oil burners inject diesel fuel into the combustion chamber at level 17 meters

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