

DWMC Newsletter Number 24 May 2023

Message from Tim Clarke, CEO of DWMC

During May we have achieved first waste fire in boiler 11, producing steam, treating flue gases and collecting fly ash and bottom ash in the first full commissioning run of our number one boiler. Our



commissioning teams are now preparing boiler 12 for first waste fire due early in June, and DM have been increasing waste deliveries to ensure sufficient stock is available. Steam quality checks have been onging and we expect to be able to put steam into the turbine set in June. We are all encouraged by these important milestones as we approach the first early operations phase involving boilers 11 and 12, which is due to start in Q3.



View of the first instances of waste fire on the grate of boiler 11, from the viewing port at level 6 meters.

Project Progress

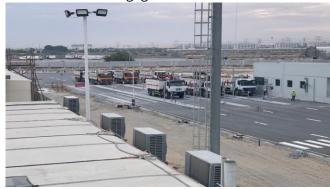
Following successful waste firing on boiler 11 early in May, our commissioning teams have cooled the combustion chamber to allow internal inspections of refractory lining. Further steam blowing on diesel fuel is continuing throughout the month while the steam header for line 11 is being reassembled following chemical cleaning, ready for first steam up to the turbine gland early in June. In block 2 the hydraulic station has been energised for boiler 23, preparing for commissioning of the grate and ram feeder. Preparations for commissioning the ID fan and primary and secondary air fans in 23, 24 and 25 are underway, and work has started preparing the lime and quick lime silos for operations phases. Control and stop valves on the STG are being tested at the end of May, and the turbine has been on turning gear earlier this month. Pre-commissioning has started in the IBA sorting plant, and we expect to begin commissioning with IBA early in June. EPC is finalising O+M documentation in preperation for the operations phases and site induction training for waste truck drivers is continuing; to date approximately 50% of drivers have received the training, including DM direct hire personnel and their subcontractors.



IBA recovered from the combustion process is transferred via conveyor belts into the pre-maturation area HSE Update

To ensure we maintain compliance with regulatory environmental emissions targets, we have started emissions data stack with environmental team during periods when waste is burned on the grate. This data is recorded via CEMS (Continuous Emissions Monitoring System) and is stored on a dedicated computer in the main control room. When the commissioning process has been completed, and the plant enters the first EOP, CEMS data will be automatically shared with DM environmental team via a modem. During these first periods of waste incineration the CEMS data recorded has been in full compliance with regulatory standards.

During May the project reached 7 million hours without lost time incidents, and we held our 24th monthly safety award ceremony. To date 1,675 individuals have received safety awards, which contributes to our continuously improving safety culture at all levels of project work. We have just received the result of a third party safety audit. There were zero non-comformities and plenty of positive observations, including recognition of the value of our HSE School of Risk, HSE passports in use by workers to show skills and competencies, and acknowledgement of our senior management members' active engagement in HSE issues.



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