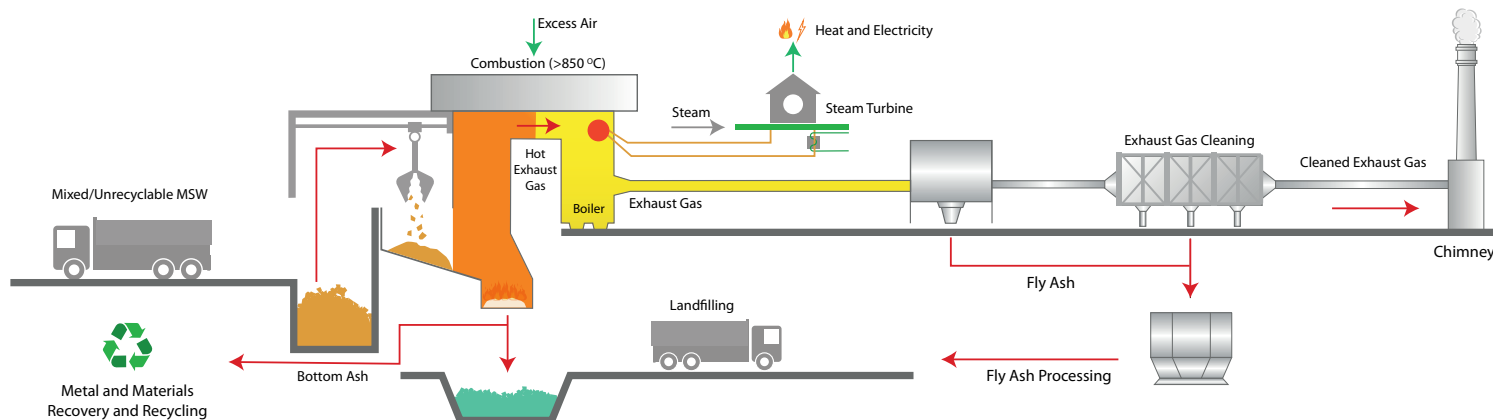


LAND

AMETEK®

DID YOU KNOW?...

INDUSTRIAL PROCESSING MUNICIPAL SOLID WASTE INCINERATOR



PROCESS

Municipal solid waste (MSW) disposal plants incinerate garbage and generate power using a moving-grate boiler.

PROBLEM

Because of the nature of the fuel, the feed system for the MSW does not always provide an even flow of refuse onto the burner grates, and it is difficult to view burning material for a consistent fuel flow rate. Environmental regulations require emissions of gases and particulate matter to be measured and reported, to demonstrate compliance.

AMETEK LAND SOLUTION

The FTI-Eb can be used to view the burner grates. Because of the specific wavelength used, the FTI-Eb is insensitive to luminous flames and so it can provide a clear image of the material on the grate, monitoring the feed system and grate operation and helping to improve thermal efficiency.

Depending on the emission limit value, an opacity monitor or PM-CEMS is used to monitor particulate matter emissions from the stack

4650-PM

Continuous measurement of the concentration of low-range particulate matter in stacks and ducts. Can be used as a PM-CEMS or PM-CPMS.



COMBUSTION & EMISSION MONITORING

4500 MkIII

Industry-leading opacity monitor for PS-1 and ASTM D6216 compliance measurements. Installed on the stack or ducts leading to the stack.



COMBUSTION & EMISSION MONITORING

FTI-EB

A high-resolution, fast thermal imager designed to provide detailed temperature information in harsh industrial environments.



PROCESS IMAGING

FOR MORE INFORMATION VISIT: WWW.AMETEK-LAND.COM

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MARCOM0500 Municipal Solid Waste Incinerator App Note Rev 1