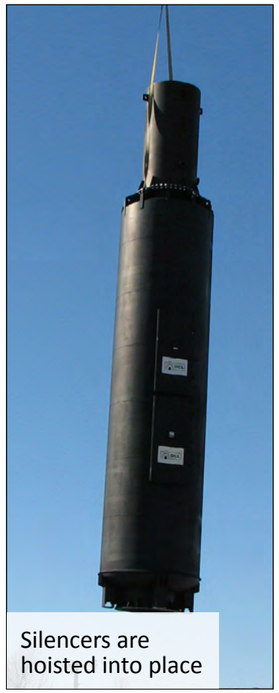
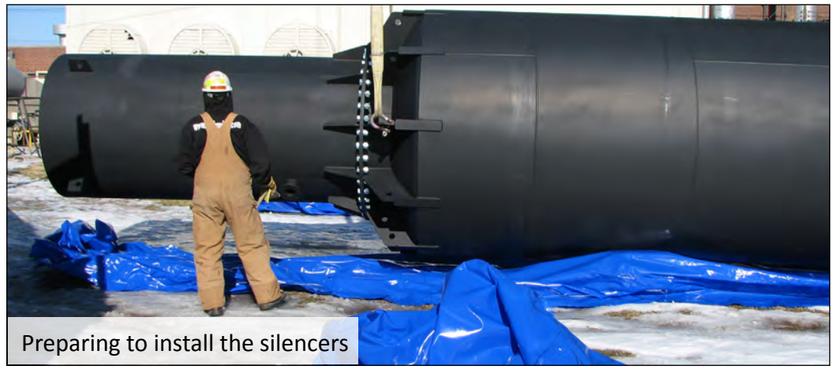
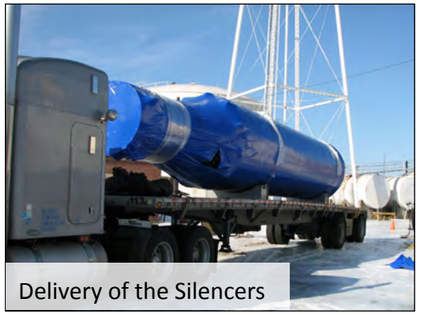
Kennett, Missouri Power Station



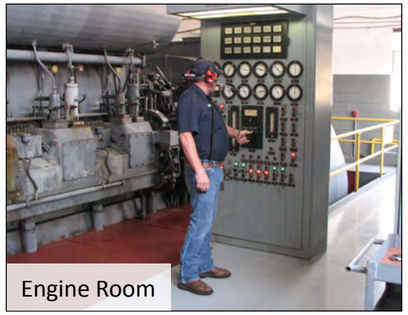
Silencers are hoisted into place



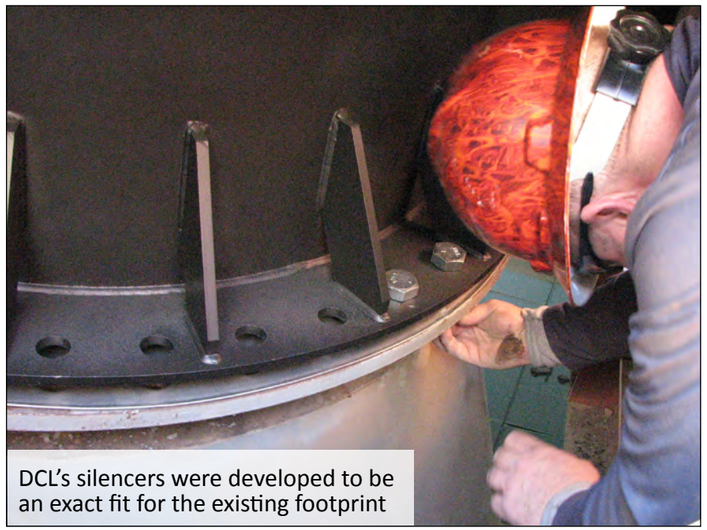
Preparing to install the silencers



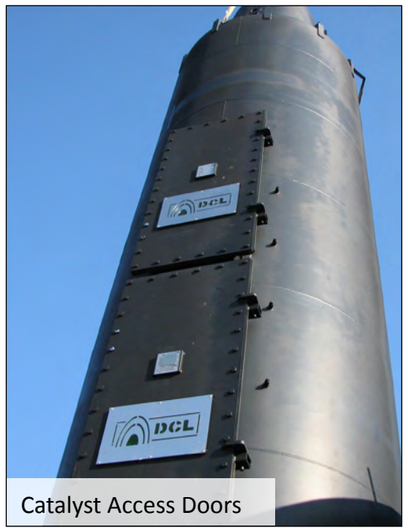
Delivery of the Silencers



Engine Room



DCL's silencers were developed to be an exact fit for the existing footprint



Catalyst Access Doors

Emissions Issue

The Kennett, Missouri Power Station required upgrading of the emission control system on the power plant's internal combustion engines to meet the EPA RICE NESHAP* standard.

*Reciprocating Internal Combustion Engine National Emission Standards for Hazardous Air Pollutants

DCL Solution

DCL developed and manufactured a series of low emission catalytic silencers which matched the footprint of the original silencers, minimizing the time and cost involved with installation of the new catalytic silencers. The DCL catalyst used in the silencers was optimized for low exhaust temperature 2-stroke engines and was tailored to meet the plants specific emissions requirements. The design of the elements allows easy access for maintenance using the integrated, heavy duty hinged side access doors.

Outcome

With the catalytic silencers successfully installed the Kennett power plant is now meeting the required emission and noise standards for the facility.

Site

Engine	Nordberg TSGL-2112-SC
Power	8725 hp
Flow	79000 acfm @470 °F
Fuel	Diesel/Natural Gas (dual fuel)
Sound Attenuation	18-25 dBA insertion loss
Material	Mild steel
Catalyst Efficiency	> 70% CO destruction

DCL®