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RECORD OF COMMUNICATIONS

CLAYTON INDUSTRIES BOILER NO_x CONTROL

PREPARED FOR:	Enric Fernandez, Donlin Gold
PREPARED BY:	Kevin Lewis, Air Sciences
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Record of communication between Kevin Lewis and Ron Polidori, Ontario Sales Manager for Clayton Sales & Service Ltd. regarding the Donlin Gold POX Boilers (EU ID 15 and 16) and the Oxygen Plant Boiler (EU UD 17).

Available NO_x Combustion Technology

Clayton Industries offers flue gas recirculation (FGR) and Low NO_x Burners (LNB)¹ for natural gas fired units. LNB are not available for oil-fired or dual fuel boilers. The cost for FGR is approximately \$20,000 per boiler.

The NO_x guarantees for FGR range from 30-40 ppm for natural gas firing and 90-100 ppm for oil firing. The CO emissions for FGR are expected to be less than 100 ppm for both natural gas firing and oil firing, however, the CO guarantees for FGR are 100 ppm for natural gas firing and 400 ppm for oil firing. 200 ppm would be a conservatively high and reasonable estimate for CO emission from oil firing, but this emission level would not be guaranteed.

The turndown range is reduced to 4 to 1 for an FGR boiler compared to 5 to 1 for a standard combustion boiler.

Contact Information

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¹ fiber metal burners