

“The installation of the chlorine bypass will enable Tunstead Cement to replace approximately 70 percent of fossil fuel with waste derived fuels when it’s commissioned in 2022.”

Alejandro Soria, the Interim Plant Manager for Tunstead Cement

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Climate Action

New Chlorine Bypass for Tunstead Cement

A new chlorine bypass has been approved for Tunstead Cement. The new system will reduce the use of fossil fuels by increasing the consumption of waste derived fuels using equipment consisting of:

- Kiln chlorine bypass (a duct that quenches the dust and removes chlorine from the kiln)
- Bypass dust storage and handling system
- Waste derived fuels storage and feeding system

The improved installation will allow chlorine rich dust to be extracted from the cement manufacture process and stored in silos. This dust (under strict quality control) can then be used in the final cement product. Dust that is not used in cement can be stored and used for soil stabilisation. Soil stabilisation is a more sustainable way to make soil that is too wet, weak or contaminated suitable and safe for productive use.

The new process will allow the plant to use more of a waste derived fuel called SRF (Solid Recovered Fuel) and reduce our use of fossil fuels.

