



Ardley Energy from Waste, Oxfordshire



Purpose

Located in the base of a disused limestone quarry, the construction of an Energy from Waste facility at Ardley Fields Farm, Oxfordshire, called for significant civil engineering works not least of which was the design and construction of a surface water management scheme to deal with surface water runoff from the EfW facility and from the adjacent landfill site which included the construction of the 30,000m³ capacity reservoir.

As part of its major earthwork contract, CJ Pryor were asked to dry out some very wet silty soils from the base of the old settlement reservoir to enable construction of the new larger reservoir in the same location.

Sampling and testing of the stockpile was undertaken which confirmed the suitability of the material for improvement. The silt was placed in 200 – 300mm layers on already filled material in the base of the old reservoir to allow the stabilisation plant cross it as it was so wet.

Lime was spread and mixed using an integrated mixer due to immediate location of other works. The use of the integrated mixer prevented any problem of airborne dust.



Within a week of Pryor starting on site, the earthworks were able to complete the fill of the old reservoir.

Benefits

- Fast and efficient drying out of very wet soil
- Use of integrated mixer prevent airborne binder dust

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As part of its major earthwork contract, CJ Pryor were asked to dry out some very wet silty soils from the base of the old settlement reservoir to enable construction of the new larger reservoir in the same location as part of the surface water management scheme for a new Energy from waste facility.

For more information visit www.pryor.co.uk



The British Cementitious Paving Association

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Project details

Client:	Viridor
Project duration:	1 week
Main contractor:	Clugston Construction
Soil stabilisation contractor:	C J Pryor
Area stabilised:	4,000 m ³
Soil type:	
Blend:	
Specialist plant:	