

Dunstable, Bedfordshire

Site Area: 3 Hectares
Former Use: Tar Works
Client: Taylor Wimpey
Value: £600,000

Provectus undertook demolition and on-site soil remediation to allow the remediation of this former tar works.

Following extensive site clearance, excavation of impacted soils began. All of the soils were screened and sorted depending upon quality. Materials selected for treatment were stockpiled on-site, whilst unwanted materials were sent off-site under appropriate waste management controls.

The materials selected for remediation were constructed into a large Bioventing cell, which comprised an innovative airflow and liquid re-circulation sensor driven system. This enabled treatment to proceed through the winter months.

Regular in-line monitoring of the system's off-gases and temperature allowed Provectus' engineers to carefully manage the system in order to optimise treatment temperatures and thus ensure efficient breakdown of contaminants in the soils.

On completion of the treatment process the soils were re-engineered raising site levels to create a suitable development platform, thus minimising the volume of materials sent to landfill. The system was operated under a waste management mobile plant license endorsed by the Environment Agency. By adopting this approach Provectus assisted the client in making a borderline site viable by managing costs of remediation through innovative materials management.

