Dunton ENVIRONMENTAL
Restoring Our Environment

Redevelopment of Former Food factory for Residential housing and new river channel construction

Client:	Crest Nicolson South West
Site:	Redevelopment of former Nutricia Food Factory for residential development Wells, Somerset
Contract Value:	£710,000
Approach Used:	Delineation and risk assessment to reduce need for hotspot remediation Extensive reuse of hard materials for construction purposes Reconstruction of river channel after temporary diversion

Dunton Environmental were appointed by Crest Nicholson South West in July 2013 to undertake site enabling, hotspot delineation and remediation if necessary, and river diversion works, for a new housing and care home development on the outskirts of Wells, Somerset.

Crest NICHOLSON

A large scale cut and fill exercise was undertaken which also involved the breakout and processing of multi-layer concrete slabs across the site and also reprocessing materials from a small Victorian refuse tip. All materials were processed for reuse on site for Class 6F2 (20,000 m^3) sub-base in construction, as well as for topsoil and subsoil following shallow site strip.

Challenges

- Extensive slabs and foundations to break out
- Hotspot remediation at three locations due to elevated metals, and hydrocarbons associated with derelict underground storage tanks.
- Due to the need to construct a new "softer" landscaped river requested by the Environment Agency, a temporary river diversion was necessary for the Keward Brook while the new river channel was constructed.

Our Solution

- All site environmental management was undertaken following completion of a Construction Environmental risk Assessment (CERA) and Construction Environmental Management Plan (CEMP) developed for Crest.
- Surface water management was undertaken to ensure the watercourses were protected as part of pollution prevention.

- A factual verification report was provided on completion of the works which enabled regulatory sign off from Mendip District Council and the Environment Agency.
- All hardstanding and foundations were processed on site to provide future construction materials, significantly reducing the need to import materials.

Results

100%

Soils and hard materials reused on-site

250m^3

Hydrocarbon impacted soils delineated and after additional testing not required remediation

- Project was completed on time
- Project was completed on budget

100%

Diverted contaminated soils from hazardous landfill and significantly reduced import of 6F2 and Type 1 materials