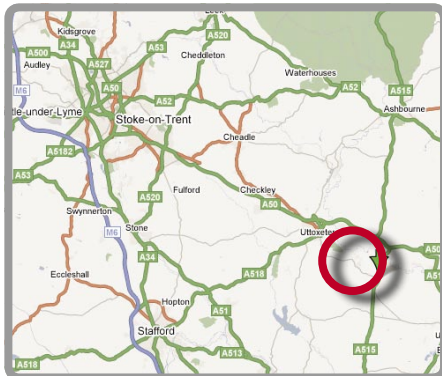


United Kingdom  
Oil Pipelines Ltd.  
(UKOP)

Trentham Pits pipeline diversion  
Integrated Services

Project no: AA001428  
Project: Trentham Pits pipeline diversion  
Service: Integrated Services  
Project stage: Planning, Design, Procurement, Project Management  
Product: Multi Product  
Region: UK / Europe  
Date: 2000-2002  
Value: £1.1 Million



**Diversion of three and a half kilometres of the 10" Mersey to Buncefield multiproduct pipeline (part of the UKOP pipeline system) to accommodate expansion of gravel extraction pits at Ashley, Staffordshire, south of Stoke on Trent in the UK.**

In 2000 it was identified that the expansion of Trentham Pits gravel extraction facility would require diversion of the UKOP pipeline system south of Stoke on Trent, and under a "lift or pay" land clause the project became the responsibility of UKOP. As managing agents (and operators) for the UKOP pipeline system, BPA took on responsibility for the entire project, including:

- All planning, legal, lands, consents, etc. works which were undertaken in house, including all 3rd party / landowner / statutory body liaison. (As the project fell outside the (250 metre) limit of deviation, full planning consent was required).

- Pipeline routing (feasibility, conceptual and detail design)
  - Environmental issues were all managed by BPA, with specialist survey works subcontracted (e.g. flora / fauna surveys identified presence of newts and requirement for protection works in order to achieve DEFRA licence)
  - Material / Construction specifications - Procurement of all (long lead) materials - Tender process for award of construction contract.
  - Project Management and site supervision of construction activities to ensure timely progress in accordance with all H&S, Quality, and Environmental plans (including extensive newt fencing / trapping / bat habitat / other ecological constraints causing "pinch points" for construction)
  - Management of project throughout UK Foot & Mouth epidemic causing suspension of construction, followed by strict movement controls in accordance with DEFRA regulations.
- Also delays caused by unusually we ground conditions.
  - Liaison programme with all stakeholders throughout
  - Tie in of the diverted pipeline to existing live operational system
  - Commissioning and start up of the new pipeline section
  - Management of all land re-instatement works and ongoing liaison regarding landowner compensation / legal preparation works for landowner deed agreements
  - De-commissioning / abandonment of replaced pipeline section, including removal where possible, and grout filling where not
- The project finally completed significantly under budget.

