

CASE STUDY TRANSFORMERS REMOVAL

Project: Transformers Removal
Client: Freedom Group
Date: October 2012

The project involved the removal of transformers complete with oil coolers, support frames and associated pipe work.

Close liaison was made with the Client prior to start to ensure that the transformers were safe upon arrival. This included the testing and draining of the oil and the isolation and disconnection of all cables from transformer and tap changers/selectors.

Freedom and National Grid carried out extensive site audits during the project, which was completed within programme, without incident. All craneage was planned and managed by Ron Hull Group under "crane hire" terms and conditions.

Sequence of Removal:

- 1 - Oil cooler panels were unbolted and removed from manifolds using a 65t mobile crane. Access to effect separation was gained via a 45ft reach MEWP.
- 2 - Top and bottom manifolds were lifted out via mobile crane prior to removal of the "A" frames.
- 3 - The expansion tank and vent ducts were unbolted and removed by mobile crane.
- 4 - A 160t mobile crane was rigged (full ballast) to lift the transformers out on to low loaders pending transportation to Ron Hull Group waste transfer station in Rotherham.
- 5 - Using modern, mechanical techniques the transformers were processed within designated areas of the Ron Hull waste transfer station yard.

