

CASE STUDY - BLAST CLEANING & PAINTING



NATIONAL GRID - ABOVE GROUND STATION, KIRRIMUIR

Customer: National Grid **Location:** Above Ground Station Kirrimuir

Specification: Blast cleaning to S.A. 2.5 of valves, actuators and pipework before applying a 4 coat approved paint system.

Photos 1 & 3: unpainted gas pipes before works commenced. **Photo 2:** close up of blasted steel to s.a.2.5 profile 50-60 microns.

WORK - SCORE

The contract involved working with National Grid and Transco Pipeline Engineers, Pipeline Construction Team and Independent Paint Inspector. Prior to works all relevant method statements, risk assessments and paint COSHH sheets were supplied along with plant and equipment certification for suitability of use.

The scope of works included setting up of all plant and equipment. The station was live, completely constructed and landscaped. Particular attention was taken when masking off and screening in order to protect the surrounding surfaces and environment from overblast damage during blasting and overspray during painting.

All pipework was shotblasted to S.A.2.5 to remove all paint and corrosion to leave a blast profile of 50- 60 microns. Once the surface was cleaned a 4 coat isosynate free paint system was applied to leave a Dry Film thickness of 400- 500 microns. All overcoating times and film thickness were strictly adhered to and was inspected by our own Institute of Corrosion registered paint inspector who measured and metered wet and dry film thicknesses as works progressed. The works were completed to a very high standard and will achieve a 20 year barrier against corrosion.



Photo 4: final quality checks.

PIPEWORK COMPLETE

All health and safety requirements were strictly adhered to and our team went through a site competency course. The works were carried out safely and efficiently and were completed ahead of schedule leaving Pipeline Management, Engineers and Construction Team very satisfied with standards and quality of works.

Once works were complete the site was cleaned and all plant and equipment was removed leaving everybody involved with the contract very impressed.

Photo 5: works completed to a very high standard and excellent finish.



CASE STUDY - MECHANICAL PREPARATION & PAINTING



ENVIROCO'S STORAGE TANKS

Customer: Enviroco **Location:** Dales Industrial Estate Peterhead. **Specification:** Cleaning and painting of storage tanks.

Photo 1: Mechanical preparation of corroded steel surfaces with disc sanding equipment.

WORKS SCOPE



Storage tanks showed visible signs of corrosion and coating breakdown on outer surfaces. They were high pressure power washed and mechanically prepared to S.T.2 by descaling any heavy corrosion and completely disc sanding to remove any rust and loose adhering paint.

Once prepared the tanks were dusted down and coated with a 2 pack epoxy high volume solids primer at the end of each day. Once the tanks were completely prepared and primed, a further 3 coats of 2 pack epoxy paint was applied to achieve a further 10 yrs against corrosion.

Photo 2: Corroded Steel prior to mechanical preparation.

The mechanically prepared surfaces were primed as the works progressed to provide a barrier against corrosion before cleaning down and applying the final coats.



PRIMING SURFACES



Photo 3: Priming the prepared surfaces.