

COMPLETION REPORT

Client : **XXXXXXXXXXXX**

Project Brief : **The Internal Relining of 1 No. Carter Cooling Tower Sump
(2 No. Compartments)**

Site Address : **XXXXXXXXXXXX Bank PLC
XXXXX
Leeds**

Client Contact : **XXXXXXXXXXXX**

System Spec : **3M Scotchkote™ 165PW**
(Formerly Known as COPON Hycote 165PW)

Film Thickness : **1000 Microns**

Covac Supervisor : **Tim Butcher**

Completion Date : **27th November 2009**

Compiled By : **David Snell**

Covac Ref : **908**

SUMMARY OF WORKS

The Brief

1 No. Carter cooling tower, type CL, serial No. AQ21433, located in an open topped plant room on the 9th floor. The tower is sized at approximately 2.84 x 2.54 x 1.50m (up to the packing) and divided into 2 No. compartments each sized at approximately 2.84 x 1.27 x 1.50 high.

These photographs show the external location and access to the tower:-



These photographs show the internal condition of the tower:-



The tower had been coated with an unknown industrial paint, which was delaminating and would eventually have led to the corrosion of the substrate.



COVAC highly recommended a full internal lining to the tower sump (up to the packing), complying fully with current stringent water treatment regulations with a protective internal coating that we can confidently guarantee for a minimum of 10 years, with additional benefits of ease to regular monitoring, annual cleaning and most importantly, the client's peace of mind.



1. PICTORIAL REPORT



These photographs show the internal surfaces of the Compartments having been drained of water, but prior to any work commencing.





These pictures show the internal substrate of each compartment after being prepared by COVAC Operatives, in accordance with ISO 8501-1:2007, utilizing mechanical power tools and manual tools



All seams, joints, bolts etc were initially 'stripe coated' to ensure all intricate areas were coated prior to the 1st full coat of 3M Scotchkote™ 165PW Solvent Free Polyurethane.



These photographs show the substrates having received the 1st full coat of 3M Scotchkote™ 165PW (cream) Solvent Free Polyurethane, by means of brush and roller to a nominal wet / dry film thickness of 500 Microns.



All intricate areas were again 'stripe coated' for a second time.



The following photographs show the final application of the 2nd coat of 3M Scotchkote™ 165PW (grey) in order to achieve a total, nominal dry film thickness of 1000 Microns (1mm), and between 1500-2000 Microns (2mm) over all stripe coated areas.



