

# Temporary Works Seminar

1<sup>st</sup> May 2014



# Simon Osborne Wates Group



# What Happened!



- Cup-lock support system;
- Collapse occurred during the pour;
- 136 Cubic Meters concrete;
  - Height of 9mts;
  - Within the footprint;
  - 6 concrete fixers;
  - 1 pump operator.



Above all, it's about people



# Root Causes



- Design - preparation, authorisation, controls;
- Roles and responsibilities - individuals and contractually;
- Process clarity and management - permit to load;
- Competency - Wates & contractors team;
- Change Management.

# The outcome?



- Prosecution under S3 of the HASWA;
- Guilty plea entered early – Crown Court;
- Fine £50,000 plus £35,000 prosecution legal costs, and £115,000 Wates costs.





# And the real impact!




- Legally Privileged;
- Empathy - building the team, confidence, assurance;
- Regulator & Suits presence - interviews, restricted access;
- Contractual – building relationships;
- Delay on program - recovery, re-design, contractors behaviours;
- Work Winning.

# Leading Indicators - CONIAC



- 2011 CONIAC working group on avoiding catastrophic events
- Used since as a spot check audit on all temporary works

**CONIAC AVOIDING CATASTROPHE WORKING GROUP**  
**Management of Temporary Works Leading Indicator Audit**  
**Nature of project: Vulcan Brewery**  
**Date(s) of audit: 21/08/12**  
**Proforma completed by: Simon Osborne, Dean Williams & Steve James**

1. Briefly describe the type & extent of the temporary works (TW) on site (e.g. formwork, falsework, propping, needling, shoring, scaffolding, excavations, temporary slopes, piling/crane platforms, tower crane bases, hoarding etc.).	
Façade retention to grade 2 listed brewery with 3 storey flats built behind.	
	
2. Who is responsible for the installation, erection & dismantling of the temporary works? (e.g. PC, s/c, specialist s/c)	
Wates are the Principle Contractor with GSS Scaffold utilising Mabej Hire to design the temporary works which GSS then erected. On-going inspection of the temporary works is completed by GSS and Wates Site Manager.	
3. Is there a written Temporary Works Procedure for the site?	Y
If no, is there evidence that principles of BS5975 are being followed? Temp works procedure is Wates WPS. In addition to that we have the Construction Issue design calculations and drawings approved by Wates Engineering team, pull out tests for the resin anchors and handover / sign off prior to the demolition commencing.	
4. Has a Temporary Works Coordinator been formally appointed?	N
If no, is there someone with overall responsibility for TW At present Steve James is fulfilling the role but has not completed Wates Temporary Works Training or been interviewed by Wates Engineering Director.	Y
Recommendation - Chris Bowen (Construction Manager) has completed	



# Thank You Questions?