Project Conflict:

What are we going to do?



Act as either Client, Consultant or Contractor



Outline S-P-R



"Start with the end in mind"



Identify data gaps



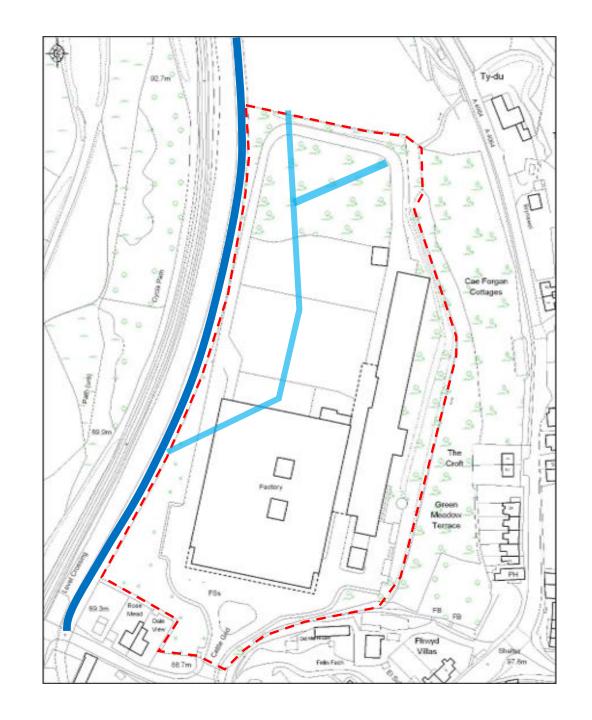
Consider Keys Risks and Uncertainties



Nominate one speaker per team

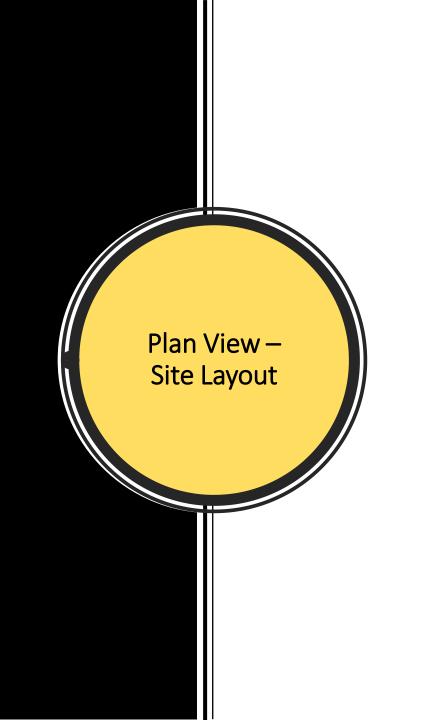
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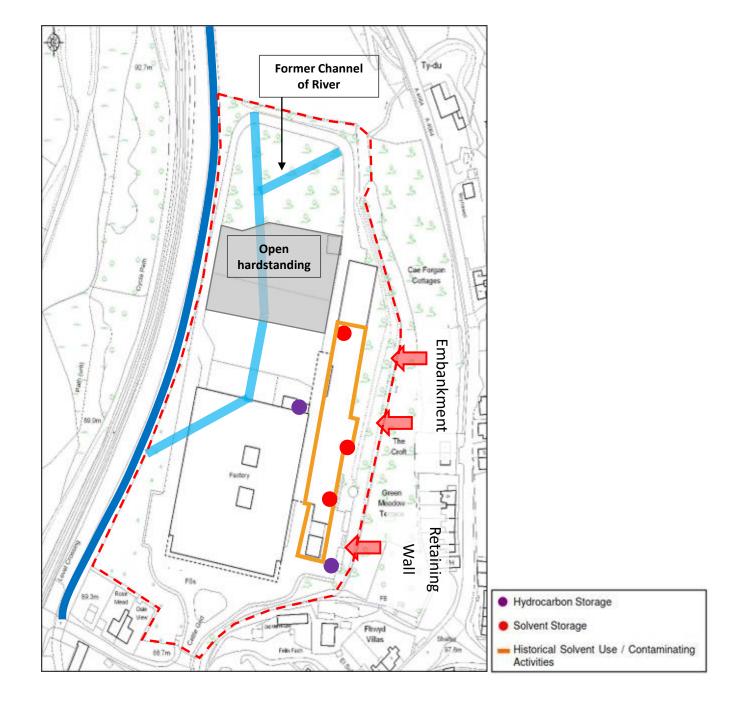
The Site



What do you need to know?











Drivers

Source – Pathway – Receptor

Data Gaps

Risks & Uncertainties

	Source	Pathway	Receptor
Outline CSM - example	Solvent Storage & Degreasing (groundwater plume) Chromium & Nickel Plating (chromium & nickel) Hydrocarbons use and storage Site Buildings (asbestos)	Controlled Waters: Leaching to groundwater & perched water Groundwater migration — vertical & horizontal in alluvial sands and gravels Groundwater migrations — service trenches	Controlled Waters: Groundwater (minor aquifers) Surrounding surface water bodies
	Made Ground (asbestos, metals, PAH etc)	Human Health: Inhalation of volatile gases	Human Health: Current and future site users

	Live Services	Presence of ASTs (albeit decommissioned)
	De-Watering	Adjacent river – hydraulic continuity? Sheet pile?
Risks & Uncertainties	Access Constraints	Former river channel – backfill / geotechnical / contamination 'sump'
	Adjacent residents - nuisance	Limited groundwater monitoring data
	On-site buildings – limited access	Not thorough understanding of groundwater flow
	Below ground obstructions	NAPL assessment not sufficient to exclude
	No access to areas of site – data gaps	DQRA not site specific
	Likely extensive foundations	Sufficient contamination delineation?
	High potential for asbestos	Existing infrastructure (retaining wall)
	Embankment on eastern boundary (residents) - stability	Site Security?
	Adjacent railway on western boundary – live?	On-going source if still active?