

CDM 2.3 Design Risk Assessment

Project: Tewitfield Locks By-wash restoration (07/08/04 to 21/08/04)

Ref. A.# for Construction and commissioning
Ref. B.# for Repair/ maintenance/ cleaning
Ref. C.# for Disassembly / dismantling/ demolition

Element:
Cleaning Out and Repairs to By-wash Channels

Assessor (name)
Rick Barnes

Assessor (signature)

Date
28th July 2004

Page 1 of 2 pages 2

Ref.	Activity and hazard	*Risk Pr S R			Design input to eliminate/reduce hazard (Action Required by Contractor)	*Residual risk Pr S R			Significance
A1	Access to Lock Sites – Risk of plant or vehicles overturning on the towpath.	AC	F	H	Design eliminates requirement for plant or vehicles to use the towpath. All vehicle movements and access to take place from the offside of the canal. Contractor to ensure safe access route is available for plant and pedestrians.	EU	F	L	Contractor to include plant operations in Construction Phase H & S Plan
A2	Manual Handling injuries. Uneven / slippery work surface.	L	3D	H	None feasible at design stage due to existing nature of site. Contractor to undertake Manual Handling Assessments and provide mechanical lifting if necessary.	EU	3D	M	
A3	Risk of eye injury during chipping out of existing loose mortar.	VL	MI	H	Contractor to ensure appropriate eye protection is worn by those chipping out and others working in the vicinity.	EU	FA	L	
A4	Risk of falls into lock chambers during canal camp.	L	MI	H	Lock edge protection to be provided for the duration of the project to the offside of lock 5, 6 and 7 (from bottom). Operatives will be briefed not to enter areas where there is a risk of falls from height or falls into the canal. If work is to proceed on the lock plateau adjacent to lock 4, then fall arrest harnesses will be worn with suitable anchor point.	U	MI	M	
A5	Risk of falls into lock chambers whilst erecting safety fencing.	L	MI	H	Scaffolding company to provide satisfactory risk assessments and method statements. LCT on behalf of Principal contractor observe start of operations to determine that methods and mitigations are being followed.	U	MI	M	

A6	Risks associated with confined spaces.	L	F	H	Contractor to ensure that all operatives are aware of the hazards associated with confined spaces (sections of by-wash that pass through a culvert) and ensure that no person enters any confined space during the project.	EU	F	M	
A7	Hazards associated with prolonged contact with cement and other hazardous materials.	VL	3D	H	Lime mortar to be used. Contractor to provide health and safety information and appropriate PPE to operatives.	U	3D	M	
A8	Risk of trapping / crushing due to personnel and plant operating in restricted space.	L	F	H	Contractor to carry out risk assessment and ensure all operatives are aware of the hazards and procedures. Separation of access for plant and volunteers to be employed where possible.	EU	F	M	
A9	Risks associated with access through farmyard and across fields.	L	MI	H	No other suitable access available for plant. Personnel to be briefed regarding farm health hazards	U	MI	M	

Pr (Likelihood) – Almost Certain (AC), Very Likely (VL), Likely (L), Unlikely (U), Extremely Unlikely (EU)

S (Severity) – First Aid Case (FA), Lost Time Injury (LT), Over 3 Day Accident (3D), Major Injury (MI), Fatality (F)

R (Risk) – High (H), Medium (M), Low (L)