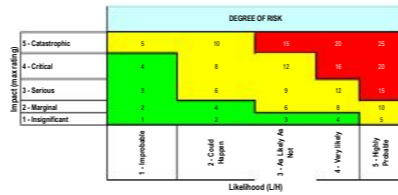


Rating	Programme (P)	Budget (B)	Safety/Health/Environmental (SHE)
5	Client/Business stakeholder interests severely damaged	Budget overrun which impacts on client's programme of works	Multiple fatality Major environmental incident involving threat to public health or safety Criminal liability
4	Programme overrun resulting in penalties and additional audits	Significant and non-recoverable impacts in budget spend	Worker/Public fatality Environmental incident leading to breach Criminal liability and compensation costs
3	Minor and recoverable programme overrun that impacts critical path	Minor and recoverable budgetary fluctuations	Major injury to worker or third party Operation likely to cause damage, complaint or nuisance
2	Minor delays not impacting on critical path	Minor budgetary fluctuations within allowance given by client	Minor injury to worker or third party Environmental impact requiring management response to recover
1	Negligible impact	Negligible impact	Negligible impact

Where IMPACT OF RISK x LIKELIHOOD OF RISK OCCURRING = DEGREE OF RISK

LIKELIHOOD	
5	Almost Certain (91%)
4	Probable (51-90%)
3	Possible (11-50%)
2	Unlikely (1-10%)
1	Negligible (<1%)



Date Issued: 05/10/2023
 Current Milestone: Mini Tender
 Issue Number: 1
 Design Team Partners Ref:

Project Number:
 Project Location: March HRC

Item No.	Risk	Risk Owner (Named Person)	Consequence	Calculation of Risk					Risk Mitigation / Control Measure / Comments	Post mitigation residual risk					Min. Cost £	Max. Cost £	Weighted Cost £	Close-out Date	Action owner.
				Impact	Likelihood	Weight	Score	Level		Impact	Likelihood	Weight	Score	Level					
TECHNICAL																			
1	Highways, connectivity to existing road network is not granted or delayed.	Client	Effect on programme and cost, delays to the project and causes significant delays that potentially result in a break of service to the local community.	5	4	1	4	20	Undertake early discussions with CCC Highways to ascertain what is needed and what 'offsite' requirements are needed to provide a HRC in this location. Employ experienced Highways design teams to negotiate. Agree extent of any S278 works. Design and Build Contractor will be ultimately responsible for making a S278 application to CCC Highways and will need to provide regular and critical updates to CCC and AtkinsRealis.	2	4	1	1	4				End MS3	Contractor
2	Hazardous/contaminated materials discovered during site investigations affecting critical path activities. Risk of exposure, poorly controlled removal.	Client	Effect on programme and cost. Injury or fatality that is reportable to the Health & Safety Executive.	3	4	4	4	16	Site Survey during outline design phase to be completed of all work areas and service routes. Monitor works on site establish any issues as early as possible. Early liaison with local authority regarding historical records of contamination in the local area.	2	4	3	2	6				End MS3	Contractor
3	Unable to obtain or delays in obtaining an environmental permit from the Environment Agency (EA) to operate the HRC.	Client	Effect on programme and cost, delays to the project and causes significant delays that potentially result in a break of service or permanent removal of a HRC to the local community.	2	4	3	4	16	Work with the end user and WSP to establish correct timeline and enabling works. Pre-application meeting to be scheduled to ensure the correct permit is applied for IE Standard Rules or Bespoke permit. Share information timely between WSP and end user for supporting documentation, evidence to accompany the application and submit with enough time to enable validation prior to the site opening.	2	2	2	2	4				End MS6	Contractor
4	Capacity of local service utilities and possible connections to site UKPN, gas supply, AW, (Water/drainage). Or delays in achieving work to complete dependencies	Client	Effect on programme and cost, unable to connect services promptly for the end user.	5	3	3	3	15	Assessment of Electrical and Gas load requirements to be issued to UKPN/gas supplier to review requirements and capacity of local distribution.	2	1	1	1	2				End MS3	Contractor
5	Poor ground conditions, extensive sub structure design.	Client	Effect on programme and potential cost increase for additional works required to rectify	4	4	4	3	12	Undertake suitable ground investigations early to establish general ground conditions.	1	3	2	1	3				End MS3	Contractor
6	Archaeological discovery/site of archaeological interest	Client	Effect on programme and potential cost increase for additional works required from archaeology	2	3	2	4	12	Establish early dialogue with CCC Archaeological advisors and establish brief for archaeology investigations, undertake work pre site (need licence for access) possible loss of crop comp to be confirmed.	1	2	1	1	2				End MS3	Contractor
7	Site flooding risk	Client	Effect on programme and cost	3	3	3	3	9	Engage with all Statutory authorities, IDBs in relation to obtaining extent of risk and necessary consents, setting up management plans as required to suit. Contractor to provide method statement and ensure early warning notices are given for any potential inclement weather that could hinder works.	1	1	3	1	3				End MS3	Contractor
8	Site specific restrictions from ecological reasons/compliance with legislation/planning policy.	Client	Effect on programme and cost	3	2	4	2	8	Appoint ecologist to undertake surveys required during design process to establish existing site conditions and provide requirements for any future development. Discharge of planning condition working in partnership with CCC Ecology and Parks teams.	2	2	2	1	2				End MS3	Contractor
DESIGN																			
9	End User changes to scheme	Client	Effect on programme and cost	3	4	1	3	12	Establish end user brief early, undertake design work shops and monitor and manage scope creep and change through robust change control process.	1	2	1	2	4				End MS3	F+G
10	Gap analysis	Client	Effect on programme and cost	4	4	1	3	12	Ongoing discussions with WSP / CCC to ensure all relevant information applied to the outline design is understood.	2	4	1	2	8				End MS3	CCC
11	End user expectations are not met or misinterpreted	Client	Effect on programme and cost, delays to opening the facility resulting in a break of service to local community.	2	2	1	2	4	Project team to monitor and mitigate any overspends. Regular and consistent feedback and engagement with the end user, particularly in the detailed design stage.	1	2	1	1	2				End MS3	F+G
PLANNING																			
12	Discharge of conditions is delayed or planning reject submissions.	Client	Effect on programme and cost	3	4	1	3	12	Timely engagement with CCC Planning Teams. To be included in scope for the Design and Build contractor	3	3	1	1	3				End MS4	CCC
PROGRAMME																			
13	Access to land for surveys is denied or delayed by the current land owners/occupiers	Client	Effect on programme and cost. Potential for delays in information provision, applications to Highways and unable to discharge planning conditions.	2	2	2	4	8	Agree access strategy with current land user	0	0	0	0	0				End MS3	F+G
14	Client change to phasing, outline scheme	Client	Effect on programme and cost for additional materials	5	5	1	1	5	Agree Programme early and avoid change to programme by holding regular meetings workshops with end user and Contractor.	5	5	1	1	5				end MS2	CCC
FINANCIAL																			
15	BREXIT cost impacts, material/labour supply	Client	Effect on programme and cost	4	4	2	3	12	Ensure that resources are secured early and in time for site production.	1	1	1	1	3				End MS4	CCC
16	Project not given funding or approval to proceed resulting in a loss of HRC facility in March. This will add extra pressure to the remaining 8 HRC sites.	Client	Programme and may impact design	5	5	1	3	15	Client to obtain backing for full budget from project boards. CCC to submit recommendations to E&G committee in early 2024 for final approval of budget and permission to build.	0	0	0	0	0				End MS5	CCC
17	Project funding insufficient to cover requirements of the scheme	Client	Cost	3	5	1	2	10	Monitor project spend through life of pre-construction. Undertake regular reviews of the cost as project progresses undertake value management exercises as work proceeds.	3	3	1	2	6				End MS4	F+G
Other																			
18	Changes in legislation passed down by the EA or government. Changes to CCC policies. Change in government policies.	Client	Effect on programme and cost	5	5	1	1	5	Monitor any change to CCC policy. Ensure the project team, contractor and end user are equipped with all relevant legislation, any future changes that could impact the build or operation of the HRC.	1	1	1	1	3				End MS5	CCC
19	A break in service or permanent end to a HRC facility in March	Client	Effect on cost and damage or loss of reputation with the public who believe the council is not serious about its waste strategy. Increase in carbon emissions for additional travel to other sites or increase in fly tipping incidents polluting the natural environment.	5	5	3	3	15	Client to obtain backing for full budget from project boards. CCC to submit recommendations to E&G committee in early 2024 for final approval of budget and permission to build. Work with internal colleagues to support the project especially those in the Climate and Energy Team.	1	1	1	1	3					
Sum carried forward to project cost plan as Risk Provision																			

Total Risk Register £ -
 Total client contingency £ -
 Total risk in cost plan £ -