

RISK ASSESSMENT FORM

STRPRQ-15

Dept. Name:		RA no*:		Rev No.*	01	Date:	
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Work / Activity Details: . Legionella Control (Water Hygiene). For Alston Station & Workshop.

Sect.1. Risk Assessment Table

Sub Task/Activity	Hazards Identified	RA Criteria (People/Environment/Property/Process)	Consequences	Existing Control Measures	Severity** Rating (A) of consequences with existing controls	Likelihood** Rating (B) (Refer Table in Sect.2)	Risk Level** (A x B)	Additional Controls (if any)	Person Responsible	Agreed time	New Severity Rating(A1)	New Likelihood Rating(B1)	Residual Risk (A1 x B1)	Decision to
Station House Outside Taps. Kitchen, Toilet & Steam Engine Filling	Infrequent Usage.	People	Increase risk of Legionella Bacteria to proliferate at the end of line.	Flush weekly for about 5 minutes.	2	2	4							Y
Thermostatic Mixing Valves in Platform Toilets	Infrequent usage during closed season	People	Increase risk of Legionella Bacteria to proliferate in the mixing valve filters.	<u>Record monthly</u> hot and cold water temperatures. Run taps till hot water reached approx. 55Deg.C And ensure cold water is below 20 Deg.C	2	2	4							Y
				There are filters in the Thermostatic Mixing Valves that must be inspected and cleaned annually. <u>Record to be maintained.</u>	2	2	4							Y
Workshop														
Shower Head	Infrequent Use	People	Dirty Showerhead could Increase risk of Legionella Bacteria to proliferate.	Hot water to be run through shower and Shower head to be immersed in disinfectant monthly. <u>Record to be maintained.</u>	2	2	4							Y

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Shed 2 Washing Up Sink	Infrequent Use	People	Increase risk of Legionella Bacteria to proliferate at the end of line.	<u>Record monthly</u> hot and cold water temperatures. Run taps till hot water reached approx. 55Deg.C And ensure cold water is below 20 Deg.C	2	2	4							Y

- *Numbering guidance: a. New RA No. if it is a fresh case. b. Old RA No. with new date if no change is hazards. c. Old RA No. inserting Rev. No & new date if there are additional Hazards
- ** Refer RA Matrix (Sect.2 Table 1,2,3, of this Form for Hazards / Consequences Evaluation (Likelihood/Severity) to People, Environment and/or Property / Commercial aspects as applicable to arrive at ratings of (A) & (B).
- *** Refer Risk Level table (Sect.2 Table 4 of this form)). .If results are either in yellow or red consider additional measures to mitigate the risk.
- ‘Contingency Plans’ to limit the impact of unplanned occurrences/ failure of control measures to be discussed and recorded in the section below.
- During review of the RA process, if scope for improvement of the documented HSE procedure for the operation/activity is identified, same should be recorded in the comments section below.
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Contingency Plans :

Comments :

Signed:

Date

Reviewer's Comments:

Signed:

Name / Position / Signature

Date

SECT 2: Risk Ranking Matrices & Risk Level Tables

TABLE 1 : - PEOPLE			(Severity of)Consequence-A				
			FAC: First Aid Case	LTI: Lost Time Incident	Hospital: Injury requiring Hospitalization or LTI >24hours	Perm Disability: Injury resulting in permanent disability	Fatality: Injury resulting in death
Likelihood Of Consequence)-B	Rating		1	2	3	4	5
	Happened several times per annum in a location/ship (Very likely)	5	5	10	15	20	25
	Happened several times per annum within the company (Likely)	4	4	8	12	16	20
	Happened within our company at least once (Unlikely)	3	3	6	9	12	15
	Heard Within the industry (Highly unlikely)	2	2	4	6	8	10
	Never heard within the industry (Almost NIL chances)	1	1	2	3	4	5

TABLE 2: PROPERTY / COMMERCIAL			(Severity of)Consequence-A				
			GBP 10. Damage to property/equipment	GBP 50. Damage to property/equipment	GBP 100. Damage to property/equipment	GBP 500. Damage to property/equipment	GBP 1000 Damage to property/equipment
Likelihood Of Consequence)-B	Rating		1	2	3	4	5
	Happened several times per annum in a location/ship (Very likely)	5	5	10	15	20	25
	Happened several times per annum within the company (Likely)	4	4	8	12	16	20
	Happened within our company at least once (Unlikely)	3	3	6	9	12	15
	Heard Within the industry (Highly unlikely)	2	2	4	6	8	10
	Never heard within the industry (Almost NIL chances)	1	1	2	3	4	5

TABLE 3 : RA - MATRIX FOR MOC			(Severity of) Consequence (To be defined)\#* - A				
			Negligible	Minor	Moderate	Major	Catastrophic
Likelihood Of Consequences-B	Rating		1	2	3	4	5
	Very likely	5	5	10	15	20	25
	Likely	4	4	8	12	16	20
	Unlikely	3	3	6	9	12	15



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	Highly unlikely	2	2	4	6	8	10
	Almost NIL chances	1	1	2	3	4	5

Table 4: Risk Levels	Meaning	Action
1 - 7	Tolerable	Risk is acceptable and job can be undertaken. Consideration may be given for further reduction of risk if reasonably possible. However, in case value is above 4, continuous monitoring is required to ensure existing controls are maintained.
8 - 11	Moderate	Efforts are to be made to reduce the risk by placing additional controls with an aim to bring down Risk Level to Green zone.
12 - 25	Substantial	Efforts are to be made to reduce the risk to green/yellow rating by placing additional controls and taking appropriate action as defined above. However, If the final risk level is in the red zone then no job shall be undertaken. Until the final risk level is reduced so that it is no longer in the red zone the job shall not be undertaken."