

Table 9-E.1 Assessment of Spillage Risk Using Revised Methodology

Hydraulic Catchment	Chainage	Receiving watercourse	River Ecosystem Classification	Road section	Junction type	Description (urban or rural)	Road Length	Serious Spillage rate	2025 two way AADT	% Heavy Goods Vehicles	Probability of a serious accidental spillage unmitigated	Probability of a serious accidental spillage with mitigation	Risk Reduction factor (Ppol)	Ppol/year	Return Period risk (unmitigated)	Ppol/year with mitigation	Return Period risk (with mitigation)		
							km	Annex III Table 3.2			Pacc	Pacc	Annex III Table 3.3		1 in x		1 in x		
A	0-1500	Egerton	No EA data available, assumed RE3/RE4 based on limited stream sampling and site visit	Link Road Belle Hill	Cross Road	Urban	0.1	1.46	25707	4.4	0.00006								
				Link Road Belle Hill to London Road	No Junction	Urban	0.05	0.31	25707	4.4	0.00001								
				Link Road south of London Road	Side Road	Urban	0.1	1.81	25707	4.4	0.00007								
				Link Road north of London Road	Side Road	Urban	0.1	1.81	26291	2.96	0.00005								
				Link Road London Road to Catchment B	No Junction	Urban	1.15	0.31	26291	2.96	0.00010								
Total Catchment A											0.00029	0.00000254	0.30	0.000088	11335	0.00000076	1311903		
B	1500-2700	Combe Haven	RE4 (inferred from river stretch downstream of outfall)	Link Road	No Junction	Rural	1.2	0.29	26291	2.96	0.00010								
Total Catchment B											0.00010	0.00000085	0.40	0.000040	25291	0.00000034	2927220		
C	2700-3120	Watermill Stream	RE2	Link Road	No Junction	Rural	0.42	0.29	26291	2.96	0.00003								
Total Catchment C											0.00003	0.00000030	0.60	0.000021	48174	0.00000018	5575657		
D	3120-4330	Drainage Ditch	RE3 (Assumed to be the same as the adjacent Powdermill Stream)	Link Road	No Junction	Rural	1.21	0.29	26291	2.96	0.00010								
Total Catchment D											0.00010	0.00000086	0.40	0.000040	25082	0.00000034	2903028		
E	4400-5500	Drainage Ditch near Decoy Pond	No data available, assumed RE2/3	Link Road	No Junction	Rural/Urban	1	0.29	26291	2.96	0.00008								
				Link Road Queensway junction	T-Junction (assumed crossed roads for spillage risk factor)	Rural/Urban	0.1	1.46	26291	2.96	0.00004								
Total Catchment E											0.00012	0.00000107	0.45	0.000056	17944	0.00000048	2076804		

Combined mitigation Measures include		Risk reduction Factor (from DMRB)
Mitigation 1	Kerbs and gullies or grass swales	0.6
Mitigation 2	Sediment trap	0.6
Mitigation 3	By-pass petrol/oil interceptor	0.5
Mitigation 4	Cut of valve	0.4
Mitigation 5	Spillage tank	0.6
Mitigation 6	Cut of valve	0.4
Mitigation 7a	Pond/wetland	0.5
Mitigation 7b (Egerton Stream only)	Underground Storage Tank	0.6