

Table 9-E.2 Assessment of Spillage Risk Using Previous 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	0.06028							
				Link Road Belle Hill to London Road	No Junction	Urban	0.05	0.31	25707	4.4	0.00640							
				Link Road south of London Road	Side Road	Urban	0.1	1.81	25707	4.4	0.07473							
				Link Road north of London Road	Side Road	Urban	0.1	1.81	26291	2.96	0.05141							
				Link Road London Road to Catchment B	No Junction	Urban	1.15	0.31	26291	2.96	0.10126							
<b>Total Catchment A</b>											<b>0.29408</b>	<b>0.00254084</b>	<b>0.30</b>	<b>0.088224</b>	<b>11</b>	<b>0.00076225</b>	<b>1312</b>	
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	0.09885							
<b>Total Catchment B</b>											<b>0.09885</b>	<b>0.00085405</b>	<b>0.40</b>	<b>0.039539</b>	<b>25</b>	<b>0.00034162</b>	<b>2927</b>	
C	2700-3120	Watermill Stream	RE2	Link Road	No Junction	Rural	0.42	0.29	26291	2.96	0.03460							
<b>Total Catchment C</b>											<b>0.03460</b>	<b>0.00029892</b>	<b>0.60</b>	<b>0.020758</b>	<b>48</b>	<b>0.00017935</b>	<b>5576</b>	
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	0.09967							
<b>Total Catchment D</b>											<b>0.09967</b>	<b>0.00086117</b>	<b>0.40</b>	<b>0.039869</b>	<b>25</b>	<b>0.00034447</b>	<b>2903</b>	
E	4400-5500	Drainage Ditch near Decoy Pond	No data available, assumed RE2/3	Link Road	No Junction	RuralUrban	1	0.29	26291	2.96	0.08237							
				Link Road Queensway junction	T-Junction (assumed crossed roads for spillage risk factor)	RuralUrban	0.1	1.46	26291	2.96	0.04147							
<b>Total Catchment E</b>											<b>0.12384</b>	<b>0.00107002</b>	<b>0.45</b>	<b>0.055730</b>	<b>18</b>	<b>0.00048151</b>	<b>2077</b>	

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