



Appendix G Table Summarising Pollutant Linkages and Estimated Risk

<div> <div>FORMER NORTHWOOD PINNER HOSPITAL</div> <div>Phase 1 Ground Condition Assessment</div> <div>Table Summarising Pollutant Linkages</div> <div>Risk Estimation <i>Classification 2</i></div> </div>													
Receptor	Present (Y/N) & Sensitivity Value	Pathway	Present (Y/N)	EPH & Solvent	PAH	Metals	Inorganic	Biocides	Radioactivity	Ground Gas	Consequence (Hazard Classification x Sensitivity)	Probability	Estimated Risk
Human Health - On-Site Current Users	Y (5)	Ingestion of fruit or vegetable leaf or roots	Y	x	x	√	x	√	√	x	10 (Mild)	Low Likelihood	Low
		Ingestion of contaminated drinking water	N	√	√	x	x	√	√	x	-	-	-
		Ingestion of water / sediments when swimming	N	√	√	√	√	√	√	x	-	-	-
		Ingestion of soil/dust indoors	Y	√	√	√	√	√	√	x	10 (Mild)	Unlikely	Very Low
		Ingestion of soil/dust outdoors	Y	√	√	√	√	√	√	x	10 (Mild)	Unlikely	Very Low
		Inhalation of particles (dust / soil) indoor and outdoor	Y	√	√	√	√	√	√	x	10 (Mild)	Unlikely	Very Low
		Inhalation of vapours/gases – outdoor	N	√	x	x	x	x	√	√	-	-	-
		Inhalation of vapours/gases – indoor	N	√	x	x	x	x	√	√	-	-	-
		Dermal absorption via direct contact with soil	Y	√	√	√	√	√	√	x	10 (Mild)	Low Likelihood	Low
		Dermal absorption via waters (swimming / showering)	N	√	√	√	√	√	√	x	-	-	-
Human Health - On-Site Future User	Y (5)	Ingestion of fruit or vegetable leaf or roots	Y	x	x	√	x	√	√	x	10 (Mild)	Low Likelihood	Low
		Ingestion of contaminated drinking water	N	√	√	x	x	√	√	x	-	-	-
		Ingestion of water / sediments when swimming	N	√	√	x	x	√	√	x	-	-	-
		Ingestion of soil/dust indoors	Y	√	√	√	√	√	√	x	10 (Mild)	Unlikely	Very Low
		Ingestion of soil/dust outdoors	Y	√	√	√	√	√	√	x	10 (Mild)	Unlikely	Very Low
		Inhalation of particles (dust / soil) indoor and outdoor	Y	√	√	√	√	√	√	x	10 (Mild)	Unlikely	Very Low
		Inhalation of vapours – outdoor	N	√	x	x	x	x	√	√	-	-	-
		Inhalation of vapours – indoor	N	√	x	x	x	x	√	√	-	-	-
		Dermal absorption via direct contact with soil	Y	√	√	√	√	√	√	x	10 (Mild)	Low Likelihood	Low
		Dermal absorption via waters (swimming / showering)	N	√	√	√	√	√	√	x	-	-	-
Human Health - Off-Site	Y (5)	Ingestion of fruit or vegetable leaf or roots	N	x	x	√	x	√	√	x	-	-	-
		Ingestion of contaminated drinking water	N	√	√	x	x	√	√	x	-	-	-
		Ingestion of water / sediments when swimming	N	√	√	x	x	√	√	x	-	-	-
		Ingestion of soil/dust indoors	Y	√	√	√	√	√	√	x	10 (Mild)	Unlikely	Very Low
		Ingestion of soil/dust outdoors	Y	√	√	√	√	√	√	x	10 (Mild)	Unlikely	Very Low
		Inhalation of particles (dust / soil) indoor and outdoor	Y	√	√	√	√	√	√	x	10 (Mild)	Unlikely	Very Low
		Inhalation of vapours – outdoor	N	√	x	x	x	x	√	√	-	-	-
		Inhalation of vapours – indoor	N	√	x	x	x	x	√	√	-	-	-
		Dermal absorption via direct contact with soil	Y	√	√	√	√	√	√	x	10 (Mild)	Unlikely	Very Low
		Dermal absorption via waters (swimming / showering)	N	√	√	√	√	√	√	x	-	-	-
Human Health - Construction/ Maintenance Workers*	Y (3)	Ingestion of soil/dust indoors	Y	√	√	√	√	√	√	x	6 (Mild)	Unlikely	Very Low
		Ingestion of soil/dust outdoors	Y	√	√	√	√	√	√	x	6 (Mild)	Unlikely	Very Low
		Inhalation of particles (dust / soil) outdoor	Y	√	√	√	√	√	√	x	6 (Mild)	Unlikely	Very Low
		Inhalation of vapours – outdoor	N	√	x	x	x	x	√	√	-	-	-
		Inhalation of vapours – indoor	N	√	x	x	x	x	√	√	-	-	-
		Dermal absorption via direct contact with soil	Y	√	√	√	√	√	√	x	6 (Mild)	Low Likelihood	Very Low
		Dermal absorption via waters (swimming / showering)	N	√	√	√	√	√	√	x	-	-	-
Groundwater	N	Leaching	N	√	√	√	√	√	√	x	-	-	-
		Migration via natural or anthropogenic		√	√	√	√	√	√	√	-	-	-
Surface Water	N	Direct runoff or discharges from pipes		√	√	√	√	√	√	x	-	-	-
		Indirect via recharge from groundwater (hydraulic flow)	N	√	√	√	√	√	√	x	-	-	-
		Deposition of wind blown dust		√	√	√	√	√	√	x	-	-	-
Buildings	Y (2)	Direct contact	Y	√	√	x	x	x	x	x	4 (Minor)	Low Likelihood	Very Low
		Explosion due to gas migration via natural or anthropogenic	N	√	x	x	x	x	x	√	-	-	-
Ecological Systems	N	Direct deposition of particles / dust - wind blown or flood		√	√	√	√	√	√	x	-	-	-
		Indirect - through watering		√	√	√	x	x	√	x	-	-	-
		Inhalation of gases/vapours or particulates/dust by animals		√	√	√	x	x	√	√	-	-	-
		Ingestion of of vegetation / water / soil by animals		√	√	√	√	√	√	x	-	-	-
Property	Y (2)	Direct deposition via wind or flood	Y	√	√	√	√	√	√	x	4 (Minor)	Unlikely	Very Low
		Indirect through watering	Y	√	√	√	x	x	√	x	4 (Minor)	Unlikely	Very Low
		Inhalation of gas / vapour / particulates / dust	Y	√	x	x	x	x	√	√	4 (Minor)	Unlikely	Very Low
		Ingestion of vegetation / water / soil by animals	Y	√	√	√	√	√	√	x	4 (Minor)	Unlikely	Very Low

* It is assumed that construction workers will undergo appropriate heath and safety training and wear personal protective equipment in conjunction with appropriate hygiene facilities.

Risk estimation establishes the magnitude and probability of the possible consequences (what degree of harm might result and how likely).

The criteria for classifying probability and consequence are set out in Tables 3 and 4 of the PBA methodology.

Green text highlights one or more elements of the Pollutant Linkage are missing and therefore eliminated

APPENDIX 3 ▪ Pre-Start Assessment of Waste Spreadsheet

		Precommencement forecast					Project performance					Comparison				
		Generated /T	Reused /T	Recycled /T	E Recovery /T	Disposed /T	Generated /T	Reused /T	Recycled /T	E Recovery /T	Disposed /T	Generated %	Reused %	Recycled %	E Recovery %	Disposed %
Material categories																
	Office waste															
	Canteen waste															
DEMOLITION	Asbestos															
	Tiles/ Ceramic															
	Timber															
	Masonry															
	Concrete															
	Steel															
	Plaster/ plasterboard															
	Plastics															
	Copper															
	Glass															
	Other															
GROUNDWORKS	Concrete															
	Bituminous material															
	Aggregate															
	Topsoil															
	Subsoil															
	London Clay															
	Trees/ shrubs															
	Other															
CONSTRUCTION	Concrete PC															
	Concrete - on site mix															
	Blocks/ bricks															
	Steel/ Ferrous metals															
	Timber - treated															
	Tiimber - untreated															
	Plastics															
	Copper															
	Other electrical															
	Other Plumbing															
	Packaging waste															
	Other															

IDOM

IDOM Cromford Mills, Mill Lane, Matlock, Derbyshire DE4 3RQ
t +44 (0)1773 829 988 **f** +44 (0)1773 829 393 **e** info.derbyshire@idom.com **idom.com**

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offices Birmingham London Kent Derbyshire Cardiff Manchester Stirling