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Ashfield District Council

Urban Road Kirkby in Ashfield Nottinghamshire

NG178DA

Our ref: ASHT TLD DISTRIYOUT ref:

COUNCIL

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INS07/8 136275

Date:

21 st July 2010

Dear lan

PART IIA ENVIRONMENTAL PROTECTION ACT 1990

Receipt of Local Authority Determination of Contaminated Land and formal Designation of Special Sites under s.78c(1)(b)

I wislI to confirm that we have received your notification of Contaminated Land and record of determination, dated 14th July 2010, stating that the former railway cutting adjacent to Garden Road, Hucknall, Agency reference number 43061, has been determined as Contaminated Land, and have updated our records accordingly.

I refer to your notification, dated 5th July 2010, that your authority has decided that the same area of land shown within Schedule 1 of the determination should also be classed as a Special Site under Regulation 3c. This is by virtue of controlled waters being affected by the land and i) the substances by reason of which the pollution of the waters is being or is likely to be caused fall within the families or groups of substance listed in paragraph 1 of Schedule 1 to these Regulations; and ii) the waters, or any part of the waters, are contained within underground strata which comprise wholly or partly one of the formations of rocks listed in paragraph 2 of Schedule 1 to these Regulations.

I wish to confirm that we agree with your determination and designation and, that being a Special Site, the site will now fall under the regulatory control of the Environment Agency. Please accept this letter of notification of Environment Agency agreement to the determination and designation pursuant to Section 78C (6)(b).

Yours sincerely

Mrs Susie Bateson

Technical Specialist (Hydrogeology and Contaminated Land)

Direct dial 0115 846 3730

Trentside Offices, Scarrington Road, West Bridgford, Nottingham, NG2 5FA. Customer services line: 08708 506 506 Email: enquiries@environment-agency.gov.uk www.environment-agency.gov.uk



Schedule 1



Schedule 2

DESCRIPTION OF SIGNIFICANT POLLUTANT LINKAGES

In order to declare the site as Statutory Contaminated Land, it is considered that the following pollutant linkages are significant pollutant linkages:

Pollutant	Pathway(s)		Receptor		Grounds for
					Determination
TPH: C8-C16	Leaching fr	rom	Controlled Waters	-	Pollution of controlled
Aliphatic	contaminated soil	1	groundwater	in	waters is being or is
7 dipiratio	perched groundwater		Cadeby Formation		likely to be caused
TPH: C21 -C35		rom	Controlled Waters	-	Pollution of controlled
Aliphatic	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
TPH: C8-C35	Leaching fi	rom	Controlled Waters	-	Pollution of controlled
Aromatic	contaminated soil	1	9	in	waters is being or is
- 40	perched groundwater		Cadeby Formation		likely to be caused
GRO: C4-C12	Leaching fi	rom	Controlled Waters	-	Pollution of controlled
	contaminated soil	1	9	in	waters is being or is
	perched qroundwater		Cadeby Formation		likely to be caused
Benzene		rom	Controlled Waters	-	Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
Toluene	Leaching f	rom	Controlled Waters		Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
Ethyl benzene		rom	Controlled Waters	-	Pollution of controlled
-	contaminated soil	1	3	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
Xylenes	0	rom	Controlled Waters	-	Pollution of controlled
_	contaminated soil	1	9	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
1,2,4-	0	from	Controlled Traters	-	Pollution of controlled
Trimethylbenzene	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
1,3,5-		from	Controlled Waters	-	Pollution of controlled
Trimethylbenzene	contaminated soil	1	groundwater	'n	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
Propylbenzene		from	Controlled Waters	-	Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
Isopropylbenzene		from		-	Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
MTBE		from	Controlled Waters		Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater	_	Cadeby Formation		likely to be caused
2,4 - Dimethylphenol		from	Controlled Waters		Pollution of controlled
	contaminated soil	I	groundwater	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
2 - Methylnapthalene		from		-	Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused
Bis(2-ethylhexyl)		from	Controlled Waters	-	Pollution of controlled
phthalate	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused

Carbazole	Leaching	from	Controlled Waters	- 1	Pollution of controlled
Carbazole	contaminated soil	10111		in	waters is being or is
	perched groundwater	'	Cadeby Formation	"'	likely to be caused
loophoropo	Leaching	from		-	Pollution of controlled
Isophorone	contaminated soil	10111		in	waters is being or is
	perched groundwater	- '	Cadeby Formation	"	likely to be caused
Nanthalana	Leaching	from		_	Pollution of controlled
Napthalene	contaminated soil	1		in	waters is being or is
	perched groundwater	1	Cadeby Formation	"	likely to be caused
Acananhthana	Leaching	from	Controlled Waters		Pollution of controlled
Acenaphthene	contaminated soil			in	waters is being or is
	perched groundwater		Cadeby Formation	"	likely to be caused
Phenanthrene	Leaching	from		- 1	Pollution of controlled
Phenanthrene	contaminated soil		groundwater	in	waters is being or is
	perched groundwater	'	Cadeby Formation	"	likely to be caused
Codmisses	Leaching	from		- 1	Pollution of controlled
Cadmium	contaminated soil		groundwater	in	waters is being or is
	perched groundwater	,	Cadeby Formation		likely to be caused
Arsenic	Leaching	from		-	Pollution of controlled
Arsenic	contaminated soil		groundwater	in	waters is being or is
	perched groundiater	,	Cadeby Formation	"	likely to be caused
TPH: C8-C12	Leaching	from		-	Pollution of controlled
	contaminated soil		groundwater	in	waters is being or is
Aliphatic	perched groundwater	,	Cadeby Formation	""	likely to be caused
TPH: C16-C35	Leaching	from	Controlled Waters		Pollution of controlled
	contaminated soil		groundwater	in	waters is being or is
Aliphatic	perched groundwater	,	Cadeby Formation	•	likely to be caused
TPH: C8-C12	Leaching	from		-	Pollution of controlled
Aromatic	contaminated soil		groundwater	in	waters is being or is
Aromatic	perched groundwater		Cadeby Formation		likely to be caused
TPH: C12-C35	Leaching	from	Controlled Waters	_	Pollution of controlled
Aromatic	contaminated soil		groundwater	in	waters is being or is
Alomatic	perched groundwater		Cadeby Formation		likely to be caused
Chloroethane	Leaching	from		-	Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
Cis-12,	perched aroundwater		Cadeby Formation		likely to be caused
	1	from		-	likely to be caused Pollution of controlled
dichloroethene	Leaching	from	Cadeby Formation	- in	Pollution of controlled
dichloroethene	1	from	Cadeby Formation Controlled Waters		Pollution of controlled
	Leaching contaminated soil	from	Cadeby Formation Controlled Waters groundwater	'n	Pollution of controlled waters is being or is likely to be caused
dichloroethene Isopropyltoluene	Leaching contaminated soil perched groundwater	from /	Cadeby Formation Controlled Waters groundwater Cadeby Formation	'n	Pollution of controlled waters is being or is likely to be caused Pollution of controlled
	Leaching contaminated soil perched groundwater Leaching	from / from /	Cadeby Formation Controlled Waters groundwater Cadeby Formation Controlled Waters	in -	Pollution of controlled waters is being or is
Isopropyltoluene	Leaching contaminated soil perched groundwater Leaching contaminated soil	from / from /	Cadeby Formation Controlled Waters groundwater Cadeby Formation Controlled Waters groundwater	in - in	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is
	Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater	from / from / from /	Cadeby Formation Controlled Waters groundwater Cadeby Formation Controlled Waters groundwater Cadeby Formation	in - in	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused
Isopropyltoluene	Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater Leaching	from / from / from / from /	Cadeby Formation Controlled Waters groundwater Cadeby Formation Controlled Waters groundwater Gadeby Formation Controlled Waters Controlled Waters	in - in -	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled
Isopropyltoluene Sec-butyl benzene	Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater Leaching contaminated soil contaminated soil	from from from from from from	Cadeby Formation Controlled Waters groundwater Cadeby Formation Controlled Waters groundwater Cadeby Formation Controlled Waters groundwater groundwater	in - in in	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused
Isopropyltoluene	Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater Leaching contaminated soil perched qroundwater	from / from / from / from /	Cadeby Formation Controlled Waters groundwater Cadeby Formation	in - in in	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused
Isopropyltoluene Sec-butyl benzene	Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater Leaching contaminated soil perched qroundwater Leaching	from / fr	Cadeby Formation Controlled Waters groundwater Cadeby Formation Controlled Waters	in - in -	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused
Sec-butyl benzene Diethylphthalate	Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater Leaching contaminated soil perched qroundwater Leaching contaminated soil perched groundwater Leaching contaminated soil	from / fr	Cadeby Formation Controlled Waters groundwater	in - in - in	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused
Isopropyltoluene Sec-butyl benzene	Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater Leaching contaminated soil perched qroundwater Leaching contaminated soil perched groundwater soil perched groundwater	from / from / from / from / from	Cadeby Formation Controlled Waters groundwater Cadeby Formation	in - in - in	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled
Sec-butyl benzene Diethylphthalate	Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater Leaching contaminated soil perched qroundwater Leaching contaminated soil perched groundwater Leaching contaminated soil perched groundwater Leaching	from / fr	Cadeby Formation Controlled Waters groundwater Gadeby Formation	in in in in	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused
Sec-butyl benzene Diethylphthalate Fluorene	Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater Leaching contaminated soil perched qroundwater Leaching contaminated soil perched groundwater Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater	from /	Cadeby Formation Controlled Waters groundwater Cadeby Formation Controlled Waters	in - in - in - in - in	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused
Sec-butyl benzene Diethylphthalate	Leaching contaminated soil perched groundwater Leaching contaminated soil perched Qroundwater Leaching contaminated soil perched qroundwater Leaching contaminated soil perched groundwater Leaching contaminated soil perched groundwater Leaching contaminated soil perched groundwater	from / from / from / from / from / from	Cadeby Formation Controlled Waters groundwater Cadeby Formation	in - in - in - in - in	Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused Pollution of controlled waters is being or is likely to be caused

Schedule 3

DESCRIPTION OF THE SPECIAL SITE POLLUTANT LINKAGES

In order to declare the site as a Special Site, it is considered that the following pollutant linkages are significant pollutant linkages:

Pollutant	Pathway(s)		Receptor	Grounds for
			•	Determination
TPH: C 8 - C16 Aliphatic	Leaching from the contaminated soil perched groundwater	om /	Controlled Waters - groundwater in Cadeby Formation	Pollution of controlled
TPH: C21 - C35 Aliphatic	Leaching from the contaminated soil perched groundwater	om /	Controlled Waters - groundwater in Cadeby Formation	Pollution of controlled waters is being or is likely to be caused
TPH: C8-C35 Aromatic	cont8minated soil perched Qroundwater	om	Controlled Waters - groundwater in Cadeby Formation	likely to be caused
GRO: C4-C12	contaminated soil perched groundwater	om /	Controlled Waters - groundwater in Cadeby Formation	likely to be caused
Benzene	contaminated soil perched Qroundwater	om /	Controlled Waters - groundwater in Cadeby Formation	waters is being or is likely to be caused
Toluene	contaminated soil oerched groundwater	om /	Controlled Waters - groundwater in Cadeby Formation	waters is being or is likely to be caused
Ethylbenzene	contaminated soil perched groundwater	om /	Controlled Waters - groundwater in Cadeby Formation	waters is being or is likely to be caused
Xylenes	contaminated soil perched groundwater	rom /	Controlled Waters - groundwater in Cadeby Formation	waters is being or is likely to be caused
1,2,4- Trimethylbenzene	contaminated soil perched groundwater	rom /	Controlled Waters - groundwater in Cadeby Formation	waters is being or is likely to be caused
1,3,5 - Tri methyl benzene	contaminated soil perched groundwater	rom /	Controlled Waters - groundwater in Cadeby Formation	
Propylbenzene	Leaching fr contaminated soil perched groundwater	rom /	Controlled Waters - groundwater i Cadeby Formation	
Isopropylbenzene	Leaching fr contaminated soil perched groundwater	rom /	Controlled Waters groundwater in Cadeby Formation	Pollution of controlled waters is being or is likely to be caused
Napthalene	contaminated soil perched groundwater	rom /	Controlled Waters groundwater in Cadeby Formation	waters is being or is likely to be caused
Acenaphthene	Leaching from contaminated soil perched groundwater	rom /	Controlled Waters groundwater in Cadeby Formation	waters is being or is likely to be caused
Phenanthrene	Leaching fi contaminated soil perched groundwater	rom /	Controlled Waters	
Cadmium	Leaching fr	rom	Controlled Waters	Pollution of controlled

	I southweighted soil	,		in	
	contaminated soil	- 1	groundwater	in	waters is being or is
TDU: 00 040	perched groundwater	from	Cadeby Formation Controlled Waters	-	likely to be caused
TPH: C8-C12	Leaching contaminated soil	1		- in	Pollution of controlled
Aliphatic	perched groundwater		groundwater	in	waters is being or is
TPH: C16 - C35		from	Cadeby Formation Controlled Waters		likely to be caused
	Leaching contaminated soil	1		-	Pollution of controlled
Aliphatic			groundwater	in	waters is being or is
TDU 00 040	perched groundwater	france	Cadeby Formation		likely to be caused
TPH: C8-C12		from	Controlled Waters	_	Pollution of controlled
Aromatic		1	groundwater	in	waters is being or is
TDU 040 005	perched groundwater	fuere	Cadeby Formation		likely to be caused
TPH: C12-C35	Leaching contaminated soil	from		-	Pollution of controlled
Aromatic		1	groundwater	in	waters is being or is
Oblavanthavan	perched groundwater	from	Cadeby Formation	_	likely to be caused
Chloroethane	Leaching contaminated soil		00	-	Pollution of controlled
		1	groundwater	in	waters is being or is
0:- 40	perched groundwater	£	Cadeby Formation		likely to be caused
Cis-12,		from	Controlled Waters	-	Pollution of controlled
dichloroethene	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater	£	Cadeby Formation		likely to be caused
Isopropyltoluene		from	•	- in	Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
	perched moundwater	£	Cadeby Formation		likely to be caused
Sec-butyl benzene		from	•	-	Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
Florida	perched groundwater	fue 100	Cadeby Formation		likely to be caused
Fluorene		from	Controlled Waters		Pollution of controlled
		-1	groundwater	in	waters is being or is
Augania	perched groundwater Leaching	from	Cadeby Formation		likely to be caused
Arsenic	contaminated soil	110111 <i>1</i>		- in	Pollution of controlled
	perched groundwater	,	groundwater Cadeby Formation	in	waters is being or is
TDU. C.C. C40		from			likely to be caused Pollution of controlled
TPH: CS-C12	contaminated soil	1	groundwater	in	waters is being or is
Aliphatic	perched groundwater	,	Cadeby Formation	• •	likely to be caused
TPH: C16-C35		from	Controlled Waters		Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
Aliphatic	perched groundwater	,	Cadeby Formation	7	likely to be caused
TDU: CC C12	Leaching	from	Controlled Waters		Pollution of controlled
TPH: CS -C12	contaminated soil	1	groundwater	in .	waters is being or is
Aromatic	perched groundwater	,	Cadeby Formation	1.1	likely to be caused
TPH: C12-C35		from	Controlled Waters		Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
Aromatic	perched groundwater	,	Cadeby Formation		likely to be caused
Chloroethane	Leaching	from	Controlled Waters		Pollution of controlled
Ciliordetrialie	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater	,	Cadeby Formation		likely to be caused
Cis-12,	Leaching	from	Controlled Waters		Pollution of controlled
	contaminated soil	1	groundwater	in	waters is being or is
dichloroethene	perched groundwater	,	Cadeby Formation		likely to be caused
leopropyltolyono	Leaching	from	Controlled Waters	_	Pollution of controlled
Isopropyltoluene	contaminated soil	1	groundwater	in	waters is being or is
	perched groundwater	1	Cadeby Formation		likely to be caused
Soo buttel bonzone	Leaching	from	Controlled Waters		Pollution of controlled
Sec-butyl benzene	contaminated soil	from /	groundwater		
		1		in	waters is being or is
Diethydrobth dete	Perched groundwater Leaching	from	Cadeby Formation Controlled Waters	_	likely to be caused
Diethylphthalate	contaminated soil	from			Pollution of controlled
		- 1	groundwater	in	waters is being or is
	perched groundwater		Cadeby Formation		likely to be caused

Fluorene	Leaching contaminated soil perched groundwater	from /		Pollution of controlled waters is being or is likely to be caused
Barium	Leaching contaminated soil perched groundwater	from /	Controlled Waters -	Pollution of controlled waters is being or is likely to be caused