	SAMPLE	<u> </u>	(mc					0	PA	GE 1 OF 1	
шS		-	SOIL VAPOUR (ppm)	GROUNDWATER			BOREHOLE NUMBER: WS 130				
BOREHOLE CONSTRUCTION			OUF	WA	- -	<u>~</u>	DRILLING DATES: 18/9/01			Window Samp	ole
	NUMBER		VAP	<u>ND</u>	L H	0 0		BOREHOLE D			
BOBO		TYPE		ROL	DEPTH (m)	GEOLOGY				<u>/I: uPVC 30mm</u>	
ŏ		F	о Х	Ū	ā	₫	CHECKED BY : JM	SCREEN SLO	I SIZE: 2		ı——
					0.0_	\sim	DESCRIPT			COMMENTS	0.0
					-		MADE GROUND: Reinforced concrete			_ Wet,plastic	
					-	\otimes	MADE GROUND: Dense light grey fine some medium gravel of limestone, coa	arse light grey and brown	sand	odour	-
					0.5_	\otimes	and occasional coarse gravel of limesto	tone and fine/medium sar	ıd.		0.5
		V	*2.0		-	\otimes					-
	1	Λ	2.0		-	\otimes					-
		Γ			-	:-:-	Very stiff/hard dark brown CLAY with s	•		Dry,NVO	
					1.0_	·	occasional black fine gravel of coal and			Dry,NVO	1.0_
					-		Soft/firm light brown/orange CLAY with black fine gravel of coal.	h some silt and occasiona	1	DIY,INVO	-
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					-		Borehole complete at 1.2mbgl.Collapse	se to 0.8mbgl.		-	
					-						-
					1.5_						1.5_
					_						
					-						-
					2.0_						2.0
					-						-
					-						-
					-						
					2.5_						2.5
					-						-
					-						
					-						-
					3.0_						3.0
					-						
					-						-
					- 3.5_						- 3.5_
					-						-
					-						-
					4.0_						4.0_
		/ N(	OTES:			· · · · · ·	<u>LEGEND</u>	BOREH	OLE I	LOG	<u> </u>
	visual or olfa		ry eviden	ce				Title: Phase II Soil & Groundwater Ir	vestigatior	1	
								ation: Whitehaven,Cumbria			
							<ul> <li>★ Headspace Analysis</li> <li>Client</li> <li>↓ Down Borehole Analysis</li> </ul>	nt: Rhodia	p'd: JM	Date: OCT 2001	
									awn : AF	Ref: AF/ML/420	
							Perched Water Table		ale: as sho		
							-	Dr	g. Size: A4	BUREHULE	100

7	SAMPLE		SOIL VAPOUR (ppm)	~			BOREHOLE NUMBER: WS 131		PAG	E1 OF 1	$\neg$
BOREHOLE CONSTRUCTION		<u> </u>	Ц Щ	GROUNDWATER			DRILLING DATES: 18/9/01			Mindow Some	
			POL	M	Ê	≿	DRILLER : GRL	DRILLING METH			
STR	NUMBER		VAI	IN	DЕРТН (m)	GEOLOGY	LOGGED BY : ML	SCREEN TYPE &			
OBC		TYPE	olt	BO	EPI	<u>⊡</u>	CHECKED BY : JM	SCREEN SLOT S		•	
<u>о</u>		Ĥ	S	G		σ		JUNE CONTRACTOR			₁
					0.0 _	$\sim$	DESCRIPTION			COMMENTS	0.0
					- - - 0.5_ - - -		MADE GROUND: Dense light brown reworked c coarse sand and medium gravel, some coarse a occasional black fine gravel of coal, black fused black,white and green medium gravel, fine grave and light orange silt and rare cobbles (>6cm).	and medium gravel shiny ash, fused	Ι,	Dry,NVO	
					1.0_ - - 1.5_		Vary opti gray/light yellow CLAV with abundant o	stiff light brown alo			1.0
	1.9-2.0m- TPH	X	*0.2		- - - 2.0_		Very soft grey/light yellow CLAY with abundant s and occasional silt and fine gravel.	stiff light brown cla	IJ	Dry,black staining &	- - - 2.0_
					-		Soft/firm light brown/orange CLAY with frequent	black mottling,		slight olfactory odour. Dry,NVO	-
					- 2.5_ -		some black fine gravel of coal and occasional pi mottling. 2.4-2.45m-light orange coarse gravel of sandsto medium sand.	nk and orange ne with some		/ Dry,NVO	- 2.5_ - -
					- - 3.0_		Stiff dark brown CLAY with numerous black mot black fine gravel of coal and rare silt. Soft dark brown silty CLAY with frequent black n			Dry,NVO	- - 3.0_
		X	*0.9		-		occasional black fine gravel of coal and light bro	-			-
					3.5_ - - -		Very stiff light brown/dark orange CLAY with sor of coal, occasional light orange mottling and fine pink/brown medium gravel of sandstone, pink/br silt.	e gravel and rare		Dry,NVO	3.5_ - - - -
					4.0 	<u> </u>	Borehole completed at 4.0mbgl due to hard sand	dstone obstruction	1.	-	4.0
	LOCATION /	/ N	I OTES:	<u> </u>			LEGEND	BOREHO		<u>.</u> OG	└──┤
NVO = No	visual or olfa- contamination	cto	ry evidend	ce			Disturbed Sample     Job Title: Phase II       Undisturbed Sample     Location: Whiteha	Soil & Groundwater Inves			
							Headspace Analysis Client: Rhodia	A	• 18.4	Data: OCT 000 (	
							Down Borehole Analysis	DC Drawn		Date: OCT 2001 Ref: AF/ML/420	-+
							Groundwater Table	Scale:	as show		21-420
								Drg. S	Size: A4	BOREHOLE	LOG

7	SAMPLE	<u> </u>	SOIL VAPOUR (ppm)				BOREHOLE NUMBER: WS418		PAG	GE 1 of 1	
ЦĞ			L L	TEF			DRILLING DATES: 31/3/05			Window samp	lor
BOREHOLE NSTRUCTIC			POL	MC	Ê	Σ	DRILLER : GPS	BOREHOLE DIA		•	
STF	NUMBER		A N	INI	TH (	ĽŐ	LOGGED BY : PR	-		1: HDPE 50mm	1 I
BOREHOLE CONSTRUCTION		TYPE	SOIL	GROUNDW	DEPTH (m)	GEOLOGY	CHECKED BY : LCH	SCREEN SLOT	SIZE: 2	2mm	
				+			DESCRIPTION			COMMENTS	
					0.0_	$\otimes$	MADE GROUND: Loose, brown sandy silt with angular gravel. Roots common.	n medium-coarse		Dry, NVO	_ 0.0
					-	XX	MADE GROUND: Cobbles of limestone most	tly >70mm.			-
	0.5m	$\times$	* 0		0.5_		MADE GROUND: Angular, fine-coarse gravel phosphate rock.	of ash, slag and		Dry, NVO	0.5_
	0.75m	$\times$			-	$\otimes$	MADE GROUND:Light yellow/orange medium				
					- 1.0_		MADE GROUND: Stiff, red brown clayey silt w gravel of pink/white rock (possibly phosphate r coarse gravel of sandstone and thin silt horizo	rock). Occasional	rse	Dry diasal	_ 1.0_
	1.15m 1.25m	$\times$			-	***	MADE GROUND: Sandstone boulder.			_ Dry, diesel ∠ odour	
	1.2011	$\boxtimes$			- - 1.5_	X	MADE GROUND: Silty sand. Metal fragment. odour.	-	iel	/ Diesel or heavy fuel	- - 1.5_
					-	$\otimes$	MADE GROUND: Soft, dark brown/black clay.			odour	-
					-		Becoming slightly more stiff and more silt rich gravel of ash and sandstone.	. Occasional medi	um	Dry, NVO	
				¥	2.0_		Becoming more black. Resembles oil staining	. No odour.		Becoming blackwith oil staining, no odour	2.0
					2.5	$\otimes$					2.5
					2.5 -	×	Stiff, orange clayey SILT with occasional fine g and orange mottling and occasional ash.	gravel of sandstone	:	_	2.5
					-						
					3.0_		Becomes more red and soft.			Moist, NVO	3.0_
					-	<u> </u>					-
					-	×					
					3.5_	×					3.5_
					-						-
					-						
					4.0					_	4.0
					-						
					-	-					-
					4.5						4.5
					-						
					-						-
					5.0_	-					5.0_
		/ NI			-			DODEIIO			
NVO = No	OCATION visual or olfa			се			LEGEND Disturbed Sample Job Title: Phase	BOREHO e II Investigations and Env			
	ontamination water encour	nter	ed				Lindisturbed Comple	Former Albright and Wilson			
							Headspace Analysis Client: Rhodia	-			
							Down Borehole Analysis		'd: NA wn : NA	Date: 07/04/05 Ref: NA	
							Groundwater Table		le: NA	Job No: 443196	23
								Drg.	Size: NA	BOREHOLE	LOG

	SAMPLE		Ê	Τ							
z	SAMFLE	-	SOIL VAPOUR (ppm)	R	,		BOREHOLE NUMBER: TP516			GE 1 of 1	
CTIC			L R	ATE			DRILLING DATES: 31/3/05	DRILLING ME	THODS :	Back hoe exc	avator
RUG			PO	M	E)	G	DRILLER : Hewden Hire	BOREHOLE D	DIAMETE	R : NA	
ISTI USTI	NUMBER	<b> </b> ш		NN	H		LOGGED BY : PM	SCREEN TYP	E & DIAN	/I: NA	
BOREHOLE CONSTRUCTION		TYPE	soll	GROUN	DEPTH (m)	GEOLOGY	CHECKED BY : LCH	SCREEN SLO	)T SIZE: I	NA	
		ŀ		+		_	DESCRIPTION			COMMENTS	
					0.0_		MADE GROUND: Brown, loose, silty sand with gravel and frequent cobbles of limestone.	medium-coarse	)	Dry, NVO	0.0
	0.45m	$\times$	* 0		0.5_	***				-	0.5
	0.9-		* 0		- 0.5		MADE GROUND: Loose, brown, silty sand with gravel of tarmac, red brick and concrete and oc layers.	medium-coarse cassional thin cl	e ay	Dry, NVO	0.5
	0.8m	X	* 0		-	***	MADE GROUND: Gravel and cobbles of slag .	Well compacted	d,	_	
					1.0_	$\bigotimes$	difficult to excavate.			Dry, sulphurous	1.0
					-					smell.	-
			* 0 * 0		-	XX				_	
					1.5_		Soft-firm very sandy CLAY. Dark brown for top orange brown.	of 0.2m and the	n		1.5_
			* 0		-	·	-				-
					-						
					2.0_					Dry, NVO	2.0
					-						
					-	·	Becoming gravelly from 2.7m with occassional	cobbles. Gravel	is		-
			* 0		2.5_	·	medium-coarse.		-		2.5
					-	·					
					-	·					-
			* 0		3.0_		Firm stiff areas brown, alightly angels OLAV (rea			_	3.0_
					-		Firm-stiff, grey brown, slightly sandy CLAY (pos with gravel. Gravel mostly medium and subang				
					-	·				Dry, NVO	-
					3.5_						3.5
					-	·				_	
					-	× ×	Red brown, well compacted silty sand with angu angular gravel	ular medium-coa	arse		
******					4.0	^				-	4.0
					-						
					-						
					4.5_						4.5
					-						-
					-						
					5.0_						5.0_
					-						-
		/ N	OTES:				LEGEND	BOREH	OLE I	LOG	
	visual or olfa contamination	CIO	y evidenc	е			_	II Investigations and E	nvironmenta	al assessments.	
No ground	water encour	ter	ed					rmer Albright and Wils	on Works, V	Whitehaven, Cumbria	
							<ul> <li>★ Headspace Analysis</li> <li>Client: Rhodia</li> <li>↓ Down Borehole Analysis</li> </ul>	A	pp'd: NA	Date: 07/04/05	
							Groundwater Table		rawn : NA	Ref: NA	
							Perched Water Table		cale: NA	Job No: 443196	
							-	D	rg. Size: NA	BOREHOL	E LOG

SAMPLE         Generation         PAGE 1 of 1           NUMBER         B         B         BOREHOLE NUMBER: TP758G         DRLLING METHODS: Trial Pitting           NUMBER         B         B         B         DRLLING DATES: Bith March 2007         DRLLING METHODS: Trial Pitting           NUMBER         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         C         C         C         C         C         C         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B		SAMPLE		Ê							GE 1 of 1					
Open Section       Common Section       Common Section       Common Section       Display Section       Displa				ldd) {	EB			BOREHOLE NUMBER: TP758G			GETOT					
Open Section       Common Section       Common Section       Common Section       Display Section       Displa	ICTI			OUF	WAT											
Open Section       Common Section       Common Section       Common Section       Display Section       Displa	REF	NUMBER		VAP	QN	H (n	0 Q									
Open Section       Common Section       Common Section       Common Section       Display Section       Displa	OBO		ΥPE	OIL	ROL	EPT	EOL									
0.5m     0.5m     0.0     ▼     0.5m     0.0     ▼     0.5m     Dry, NVO     NVO       1.5m     0.5m     0.5m     0.5m     MADE GROUND: gravel resting on railway sleepers     Dry, NVO     NVO       1.5m     0.5m     0.5m     Soft brown slightly gravelly CLAY with rounded to subrounded fine to medium gravel and cobbies of subrown slightly gravelly CLAY with rounded to subrounded fine to coarse gravel. Armonium, Nirate a gravel and some subangular to subrounded fine to coarse gravel. Frequent cobbies of sandstone and black fine fragments of shale     Dry, NVO       2.5m     0     20     Soft brown very sandy CLAY with fire to coarse gravel. Frequent cobbies of sandstone and black fine fragments of shale     Dry, NVO       2.5m     0     0     20     Soft brown sandy CLAY with grey lined like     Dry, NVO       2.5m     0     0     20     Soft brown sandy CLAY with grey lined like     Dry, NVO       2.5m     0     0     Soft brown sandy CLAY with grey lined like     Dry, NVO     25       2.5m     0     0     0     Soft brown sandy CLAY with grey lined like     Dry, NVO     25       2.5m     0     0     0     Soft brown sandy CLAY with grey lined like     Dry, NVO     25       3.5     0     0     0     0     Soft brown sandy CLAY with grey lined like     Dry, NVO     0       2.5	Ō		Í-	ŭ	G		Q									
0.5m						0.0_	***			ro		0.0				
Leachate:       Stiff red-brown slightly gravely CLAY with rounded to subrounded line to medium gravel and cobbles of subrounded line to medium gravel and cobbles of subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand and some subangular to subrounded line to coarse sand to subrounded line to coarse sand some subangular to subrounded line to coarse sand some subangular subrounded line store         2.5m       Eachate:       Image: Some subangular subrounded line store       Dry, NVO         3.0       3.0       Sot (TPH)<						-		WADE GROUND. graver resting	for railway sleepe	15						
additional parameters       0.0       1.0       subtrounded time to medium gravel and cobbles of limestone       Dry, NVO       1.0         Str: (VPC, PCB, PCB, PCB, PCB, PCB, PCB, PCB, P		Leachate:	X	*0.0	Ā	0.5_		ash and clinker			hydrogen sulphide	0.5_ _				
parameters* Sol: (VOC, PCB, Ammonium, Nitrate, additional parameters* )     voo     10- 10- 10- 10- 10- 10- 10- 10- 10- 10-		TPH-CWG,				-						-				
PCB. and monum, Nirate, additional parameters*       Soft brown Very sandy CLAY with fine to coarse sand and some subangular to subrounded fine to coarse gravel. Frequent cobbles of sandstone and black fine ragments of shale       Dry, NVO       15         10.0       2.5       Firm red-brown sandy CLAY with grey lined like leachate: (Surfactaris, baraneters*)       Dry, NVO       15         2.5m       2.5       Firm red-brown sandy CLAY with grey lined like       Dry, NVO         10.0       2.5       Firm red-brown sandy CLAY with grey lined like       Dry, NVO         10.0       2.5       Firm red-brown sandy CLAY with grey lined like       Dry, NVO         10.0       3.5       BEDROCK of fine grained limestone       Dry, NVO         10.0       3.5       Soft brown very sandy CLAY with grey lined like       Soft (FPH)         10.0       3.5       BEDROCK of fine grained limestone       Soft         10.0       4.5       Soft       Soft       Soft         10.0       4.5       Soft       Soft       Soft         10.0       4.5       Soft       Soft       Soft       Soft         10.0       Soft       Soft       Soft       Soft       Soft         10.0       Soft       Soft       Soft       Soft       Soft         10.0				*0.0		- 1.0_					Dry, NVO	- 1.0_				
Ammonium, additional parameters*       Soft brown very sandy CLAY with fine to coarse sand and some subbangular to subrounded fine to coarse gravel. Frequent cobles of sandstone and black fine fragments of shale       Dry, NVO         0.0       2.0       Firm red-brown sandy CLAY with grey lined like       Dry, NVO         2.5m       0.0       2.5       Firm red-brown sandy CLAY with grey lined like       Dry, NVO         2.5m       0.0       2.5       Firm red-brown sandy CLAY with grey lined like       Dry, NVO         1       0.0       2.5       Firm red-brown sandy CLAY with grey lined like       Dry, NVO         1       0.0       2.5       Firm red-brown sandy CLAY with grey lined like       Dry, NVO         2.5m       0.0       2.5       BEDROCK of fine grained limestone       Dry, NVO         3.0       3.0       3.0       3.0       3.0         3.0       3.5       3.5       3.0       3.0         Soft (TPH       3.5       4.5       4.5       3.0         1       3.5       5.0       5.0       5.0       5.0         NO = No visual or olacity evidence of contamination       4.5       4.5       5.0       5.0         NO = No visual or olacity evidence of contamination       5.0       Disturbed Sample       Mitestured Sample       Mites						-						-				
additional parameters* )       1.5- 		Ammonium,				-		Soft brown verv sandv CLAY with	th fine to coarse sa	and	-	-				
?)       voo       2.0       irragments of shale       2.0         2.5m       voo       2.0       irred-brown sandy CLAY with grey lined like       2.0         Usachtie:       (Surfactants, additional statis, additional solitional solitite solitional solitite soli		additional				1.5_	 	and some subangular to subrour	nded fine to coars	е		1.5_				
2.5m       0.0       2.5       Firm red-brown sandy CLAY with grey lined like       Dry, NVO       2.5         Leachate:       Sufficient in the state interstone looking hard stone at base       BEDROCK of fine grained limestone       2.5         BEDROCK of fine grained limestone       0       0       0       0         Soli: (TPH (ali/aro split))       3.0       0       0       0       0         Soli: (TPH (ali/aro split))       3.5       0       0       0       0         VO = No visual or offactory evidence of contamination       4.0       0       0       0       0         True Plot Delta floational parameters: Metals, Total "Additional parameters: Metals, Total "Additititititititititititititit		*)				-		fragments of shale	dstone and black i	ine	Dry, NVO	_				
2.5m       0.0       2.5       Firm red-brown sandy CLAY with grey lined like       Dry, NVO       2.5         Leachate:       Sufficient in the state interstone looking hard stone at base       BEDROCK of fine grained limestone       2.5         BEDROCK of fine grained limestone       0       0       0       0         Soli: (TPH (ali/aro split))       3.0       0       0       0       0         Soli: (TPH (ali/aro split))       3.5       0       0       0       0         VO = No visual or offactory evidence of contamination       4.0       0       0       0       0         True Plot Delta floational parameters: Metals, Total "Additional parameters: Metals, Total "Additititititititititititititit						-	[ []					-				
2.5m       ∑       00       2.5.       Firm red-brown sandy CLAY with grey lined like       2.5.         Lachata:       Solic (TPH (alifanoi spin))       3.0.       BEDROCK of fine grained limestone       2.5.         Soli: (TPH (alifanoi spin))       3.0.       3.0.       3.0.       3.0.       3.0.         Soli: (TPH (alifanoi spin))       3.5.       3.5.       3.5.       3.5.       3.5.         Soli: (TPH (alifanoi spin))       3.5.       4.5.       4.5.       4.5.         MO = No visual or ollactory evidence of contamination       4.5.       Disturbed Sample       Join Borbele Analysis         Ground Level 84.748 mADD       The apprenetwork Walts, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       Disturbed Sample       Join Borbele Analysis       Appd: Date: 090307         Yoo       Perched Water Table       Appd: Date: 090307       Date: 090307				*0.0		2.0_	: 					2.0_				
2.5m       ∑       00       2.5.       Firm red-brown sandy CLAY with grey lined like       2.5.         Lachata:       Solic (TPH (alifanoi spin))       3.0.       BEDROCK of fine grained limestone       2.5.         Soli: (TPH (alifanoi spin))       3.0.       3.0.       3.0.       3.0.       3.0.         Soli: (TPH (alifanoi spin))       3.5.       3.5.       3.5.       3.5.       3.5.         Soli: (TPH (alifanoi spin))       3.5.       4.5.       4.5.       4.5.         MO = No visual or ollactory evidence of contamination       4.5.       Disturbed Sample       Join Borbele Analysis         Ground Level 84.748 mADD       The apprenetwork Walts, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       Disturbed Sample       Join Borbele Analysis       Appd: Date: 090307         Yoo       Perched Water Table       Appd: Date: 090307       Date: 090307						-	 				Drv. NVO	-				
Leachate:       BEDROCK of fine grained limestone         additional parameters*       3.0         Sol: (TPH (ali/aro spitt))       3.5         Sol: (TPH (ali/aro spitt))       3.5         4.0       4.0         4.5       4.5         5.0       5.0         Sol: (TPH (ali/aro spitt))       5.0         LOCATION / NOTES:       LEGEND         NVO = No visual or oflactory evidence of contamination       5.0         Ground Level 84.748 mADD Trial pi tis backfilled with spoil "Additional parameters. Wetals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       LEGEND Disturbed Sample Undisturbed Sample Service Water Table       BOREHOLE LOG More Trable         More Table Service Water Table       Age/d: Date 090307         Devent Table       Perched Water Table       Age/d: Date 090307         Store Service S		2 5m		*0.0		25	: :					25				
additional No.       additional No.       additional No.       additional No.         parameters       3.0       3.0       3.0       3.0         Soit: (TPH (ali/aro split))       3.5       3.5       3.5         Joint Ali/aro split)       3.5       3.5       3.5         LOCATION / NOTES:       4.5       4.5       4.5         NVO = No visual or offactory evidence of contamination       5.0       EEGEND       BOREHOLE LOG         Modified with spoil       Modisurbed Sample       Jointurbed Sample       Jointurbed Sample         Modified with spoil       Headspace Analysis       Down Borehole Analysis       Cient: Rhodia         Yooc       Source Perched Water Table       Apr/d:       Date: 090307		Leachate:		0.0		-		· ·			1	- 2.0				
')       3.0         Soli: (TPH (ali/aro split))       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         3.0       3.0         4.0       4.0         4.0       4.0         4.5       4.5         5.0       5.0         5.0       5.0         5.0       5.0         5.0       5.0         Sociation of diactory evidence or contamination       1.0         Ground Level 84.748 mAOD       1.0         Trial pit is backfilled with spoil       .0         "Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       Down Borehole Analysis		additional				-		Ŭ				-				
(ali/aro       a         split))       a.5         a.5       a.5         b.50       a.5         b.50       b.50		*)				 3.0										
Image: State of the state		(ali/aro				-						-				
LOCATION / NOTES:       4.5         NVO = No visual or olfactory evidence of contamination       5.0         Ground Level 84.748 mAOD       MD         "Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       Disturbed Sample         **Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       MD		split))				-						_				
LOCATION / NOTES:       4.5-         NVO = No visual or olfactory evidence of contamination       5.0-         Ground Level 84.748 mAOD Trial pit is backfilled with spoil       Disturbed Sample         Image: Contamination Contamination       Undisturbed Sample         Image: Contamination Contamination       Disturbed Sample         Image: Contamination Contamination       Undisturbed Sample         Image: Contamination Contamination       Down Borehole Analysis         SvOC       Down Borehole Analysis         Groundwater Table       Perched Water Table         Perched Water Table       Apr/d:         Dister Table       Down Borehole Analysis         Groundwater Table       Apr/d:         Down Borehole Analysis       Down Borehole Analysis         Groundwater Table       Perched Water Table						3.5										
LOCATION / NOTES:       4.5-         NVO = No visual or olfactory evidence of contamination       5.0-         Ground Level 84.748 mAOD Trial pit is backfilled with spoil       Disturbed Sample         Image: Contamination Contamination       Undisturbed Sample         Image: Contamination Contamination       Disturbed Sample         Image: Contamination Contamination       Undisturbed Sample         Image: Contamination Contamination       Down Borehole Analysis         SvOC       Down Borehole Analysis         Groundwater Table       Perched Water Table         Perched Water Table       Apr/d:         Dister Table       Down Borehole Analysis         Groundwater Table       Apr/d:         Down Borehole Analysis       Down Borehole Analysis         Groundwater Table       Perched Water Table						-										
LOCATION / NOTES:         NVO = No visual or olfactory evidence of contamination         Ground Level 84.748 mAOD Trial pit is backfilled with spoil         "*Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC         SVOC						-						-				
LOCATION / NOTES:       5.0-         NVO = No visual or olfactory evidence of contamination       5.0-         Ground Level 84.748 mAOD       Disturbed Sample         Image: Contamination       Undisturbed Sample         Image: Contamination       Image: Contamination         Image: Contamination       Down Borehole Analysis         Image: Contamination       Image: Contamination         Image: Contamination       Image: Contamination         Image: Contamination       Image: Contamination         Image: Contamination       Ima						4.0_						4.0				
LOCATION / NOTES:       5.0-         NVO = No visual or olfactory evidence of contamination       5.0-         Ground Level 84.748 mAOD       Disturbed Sample         Image: Contamination       Undisturbed Sample         Image: Contamination       Image: Contamination         Image: Contamination       Down Borehole Analysis         Image: Contamination       Image: Contamination         Image: Contamination       Image: Contamination         Image: Contamination       Image: Contamination         Image: Contamination       Ima						-						-				
LOCATION / NOTES:       5.0-         NVO = No visual or olfactory evidence of contamination       5.0-         Ground Level 84.748 mAOD       Disturbed Sample         Image: Contamination       Undisturbed Sample         Image: Contamination       Image: Contamination         Image: Contamination       Down Borehole Analysis         Image: Contamination       Image: Contamination         Image: Contamination       Image: Contamination         Image: Contamination       Image: Contamination         Image: Contamination       Ima						-						-				
LOCATION / NOTES:       LEGEND       BOREHOLE LOG         NVO = No visual or olfactory evidence of contamination       Disturbed Sample       Job Title: Plots D,E,F,G, A & C Site Investigations         Ground Level 84.748 mAOD       Undisturbed Sample       Job Title: Plots D,E,F,G, A & C Site Investigations         **Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       Down Borehole Analysis       Client: Rhodia         Perched Water Table       Perched Water Table       App'd: Date: 09/03/07       Drawn : VS         Perched Water Table       Perched Water Table       Scale: as shown Job No: 44320215						4.5_						4.5				
LOCATION / NOTES:       LEGEND       BOREHOLE LOG         NVO = No visual or olfactory evidence of contamination       Disturbed Sample       Job Title: Plots D,E,F,G, A & C Site Investigations         Ground Level 84.748 mAOD       Undisturbed Sample       Job Title: Plots D,E,F,G, A & C Site Investigations         **Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       Down Borehole Analysis       Client: Rhodia         Perched Water Table       Perched Water Table       App'd: Date: 09/03/07       Drawn : VS         Perched Water Table       Perched Water Table       Scale: as shown Job No: 44320215						-						-				
LOCATION / NOTES:       LEGEND       BOREHOLE LOG         NVO = No visual or olfactory evidence of contamination       Disturbed Sample       Job Title: Plots D,E,F,G, A & C Site Investigations         Ground Level 84.748 mAOD       Undisturbed Sample       Job Title: Plots D,E,F,G, A & C Site Investigations         **Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       Down Borehole Analysis       Client: Rhodia         Perched Water Table       Perched Water Table       App'd: Date: 09/03/07       Drawn : VS         Perched Water Table       Perched Water Table       Scale: as shown Job No: 44320215						-										
NVO = No visual or olfactory evidence of contamination       Disturbed Sample         Ground Level 84.748 mAOD Trial pit is backfilled with spoil **Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       Disturbed Sample         Image: Structure of contamination       Image: Structure of contamination         Image: Structure of contamination       Disturbed Sample         Image: Structure of contamination       Image: Structure of contamination         Image: Structure of contamination       Disturbed Sample         Image: Structure of contamination       Image: Structure of contamination         Image: Structure of contamination       Image: Structure of contaminat						^{5.0} _						5.0 <u> </u>				
NVO = No visual or olfactory evidence of contamination       Disturbed Sample         Ground Level 84.748 mAOD Trial pit is backfilled with spoil **Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC       Undisturbed Sample         Image: Structure of contamination       Headspace Analysis         Image: Structure of contamination       Down Borehole Analysis         Image: Structure of contamination       Structure of contamination         Image: Structure of contamination       Optimized Sample         Image: Structure of contamination       Down Borehole Analysis         Image: Structure of contamination       Groundwater Table         Image: Structure of contamination       Structure of contamination							1	LEGEND	BOREH	IOLE	LOG	1				
Ground Level 84./48 mAOD Trial pit is backfilled with spoil **Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC → Headspace Analysis Groundwater Table → Perched Water Table			tory	/ evidend	e			<u>, , , , , , , , , , , , , , , , , , , </u>								
**Additional parameters: Metals, Total Cyanide, Ortho Phosphate, Sulphate, pH, SVOC App'd: Date: 09/03/07 Drawn : VS Ref: Plot G Scale: as shown Job No: 44320215 Scale: as shown Job No: 44320215																
Cyanide, Ortho Phosphate, Sulphate, pH, SVOC Groundwater Table Groundwater Table Corawn : VS Ref: Plot G Scale: as shown Job No: 44320215	**Addition	al parameters:	Ŵе	etals, Tot						App'd:	Date: 09/03/07					
✓ Perched Water Table		Urtho Phospha	ite, S	Sulphate	, pł	٦,			TRS	Drawn : VS	Ref: Plot G					
Big. 626. A												Perched Water Table				

7	SAMPLE	TYPE SOIL VAPOUR (ppm)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			BOREHOLE NUMBER: TP7	59G		PA	GE 1 of 1	
BOREHOLE CONSTRUCTION			ATER			DRILLING DATES: 8th March 20				S : Trial Pitting	
UC HO		POI	GROUNDWAT	(E	γ	DRILLER : Joy Plant		BOREHOLE			
ISTE	NUMBER	E A	NN	EPTH (m)	EOLOGY	LOGGED BY : VS		SCREEN TY			
		SOIL	GRO	DEP	GEC	CHECKED BY : ARD		SCREEN SL	OT SIZE	E: n/a	
			+			DESCR				COMMENTS	
	0.6m Leachate: (Surfactants,			0.0_		MADE GROUND: red-brow		otlets		Dry, NVO	0.0
	pH, additional			-	***	MADE GROUND: concrete				Dry, NVO	_
	parameters* *) Soil: (Ammonium,	*0.0		- 0.5_ -		MADE GROUND: brown gra sandy fine to coarse gravel plastic, wood and cobbles of	anular very of limestone	, with shale		Dry, NVO	_ 0.5 _ _
	Nitrate, additional parameters*	*0.0		- - 1.0_		MADE GROUND: brown gra	anular very o	clayey sligh		-	- - 1.0_
	*)			-		sandy fine to coarse gravel plastics, woods and frequer bricks and with angular coa	nt cobbles of rse gravel of	ⁱ concrete a f grey coars	and se		-
	0.9m Leachate: (Sulphate, TPH-CWG, SVOC)			- 1.5_ -		grained conglomerate with t clinker	thick laminat	tes of ceme	ent	Dry, NVO	- 1.5_ - -
	Soil: (SVOC)			- 2.0_		Soft to firm dark brown sligh	ntly gravelly	CLAY with	fine	- Hit water pipe (6" diameter) at 2.2m gbl causing inflow	_ 2.0
	2.3m Leachate: (Surfactants, pH, SVOC) Soil: (TPH	*0.0		- - 2.5_		to medium gravel of shale a Draw covered with concrete backfilled gently after 2.3m	e slab and pi	t was	/	of much water.	- - 2.5_
	(ali/aro split))			-							
				3.0							3.0
				- - 3.5_ -							- 3.5_ -
				- - 4.0_							- - 4.0
	4.5										_ _ 4.5
				- - 5.0_							- - 5.0_
	LOCATION /	NOTES:			1	LEGEND		BOREH	OLE	LOG	
	o visual or olfac contamination	tory eviden	ce			Disturbed Sample	Job Title: Plots D,E				
	evel 85.154 mA	-				Undisturbed Sample	Location: Whitehave	en			
**Addition	backfilled with al parameters a	at 0.6m: Me	etals	,		<ul> <li>Headspace Analysis</li> <li>Down Borehole Analysis</li> </ul>	Client: Rhodia	ŀ	App'd:	Date: 09/03/07	
Total Cya	nide, Orthophos	sphate				Groundwater Table	UR		Drawn : VS	Ref: Plot G	
						<ul> <li>♀</li> <li>♀</li> <li>♀</li> <li>Perched Water Table</li> </ul>	UI		Scale: as sh		
								[	Drg. Size: A	4 BOREHOLE	log

	SAMPLE		(ma						PA	GE 1 of 1		
BOREHOLE CONSTRUCTION		$\square$	SOIL VAPOUR (ppm)	TER			BOREHOLE NUMBER: WS760 DRILLING DATES: 7th March 2007			S : Window Sar	nnling	
			POL	<b>M</b> M	Ê	۲ï	DRILLING DATES: 7th March 2007 DRILLER : Joy Plant	BOREHOLE			nping	
STR	NUMBER		٨٩	GROUNDW	DЕРТН (m)	EOLOGY	LOGGED BY : PM	SCREEN T				
O BC		YPE	OIL	RO	ΕΡ	ΪΕΟΙ	CHECKED BY : ARD	SCREEN S				
		┡	С	0		Ö						
	0.5m Leachate:				0.0 _	***	DESCRIP MADE GROUND: dark brown	-			0.0	
	(Surfactants, additional parameters* *) Soil: (Ammonium, Nitrate, additional	$\boxtimes$	*0.0		- - 0.5_ -		with subangular to subrounder sandstone, limestone and sha frequent rootlets (topsoil) MADE GROUND: firm dark br gravelly clay with subangular t coarse gravel of mixed gritstor	d fine gravel mixed v ale, rown slightly sandy to subrounded fine to	with	Damp Dry, NVO	- - - 0.5 - -	
	parameters*				-	$\otimes$	and vitrinite and some very sa		.0110			
$V/\lambda V/\lambda$	*)				1.0_	××					1.0	
	2.5m Leachate: (TPH-CWG, additional		*0.0		- - 1.5_		Firm grey slightly sandy very g mottled CLAY with subangular coarse gravel mixed of gritstor limestone, shale and vitrinite	r to subrounded fine		Dry, NVO	- - 1.5_	
	parameters* **) Soil: (TPH (ali/aro split), VOC.		*0.0		- - 2.0_		Soft grey-yellow slightly sandy brown mottled CLAY with sub- fine to coarse gravel mixed of sandstone, and shale	angular to subround	ed /	Damp, NVO	- - 2.0_	
	additional parameters* **)	*0.0	X	*0.0		-		Stiff dark brown very gravelly of subrounded fine to coarse gra sandstone, gritstone with frequ	avel mixed of limesto			-
	2.6m Leachate: (Surfactants,	X	*0.0		2.5_ - -		limestone			Refusal at 3m	2.5 _ _ _	
	additional parameters* *)				- 3.0_ -		Dark brown slightly clayey very grained SAND with subrounde coarse gravel mixed of limesto iron nodule	ed to rounded mediu		bgl, not possible to get deeper due to stiff material	- 3.0 - -	
	3.0m Leachate: (Sulphate)				- 3.5_ -						- 3.5 -	
					- - 4.0_						- - 4.0	
					- - 4.5_						- - 4.5_	
					- - 5.0_						_ _ 5.0 _	
	_OCATION /	NO	TES:	<u> </u>			LEGEND	BOREH	IOLE I	LOG		
NVO = No	visual or olfac contamination	tory	evidenc	е				b Title: Plots D,E,F,G, A & C Site In				
	vel 85.008 mA						Undisturbed Sample	cation: Whitehaven				
Trial pit is	backfilled with .5m and 2.6m	spo	oil	Tot	al			ent: Rhodia	A	Dec. as in the		
Cyanide, C	Orthophosphate	e, pl	Н	. 01			Down Borehole Analysis		App'd: Drawn : VS	Date: 09/03/07 Ref: Plot G		
A.p. at 2	2.5m bgl: Sulpl	nate	, SVUC				Groundwater Table		Scale: as sho		5	
							Perched Water Table	Г	Drg. Size: A4	BOREHOLE		

_	SAMPLE		(md				BOREHOLE NUMBER: TP761G		PAG	E 1 of 1	
BOREHOLE CONSTRUCTION			SOIL VAPOUR (ppm)	ATER	:		DRILLING DATES: 8th March 2007	DRILLING MET		· Trial Pitting	
L HC			POI	MDM	E)	Σ	DRILLER : Joy Plant	BOREHOLE DI			
ORI	NUMBER	ш	- VA	NN	Η		LOGGED BY : LBu	SCREEN TYPE			
[™] [∞]		ΓYΡ	SOIL	GROU	DEPTH (m)	GEOLOGY	CHECKED BY : ARD	SCREEN SLOT	SIZE: I	n/a	
				-			DESCRIPTION		С	OMMENTS	
	0.3m	X	*0.0		0.0		MADE GROUND: hardstanding concru rebar				0.0
	Leachate: (Surfactants,				0.5_	$\otimes$	ADE GROUND: pale grey-brown an hardcore gravel	gular coarse			0.5_
	Metals, Total Cyanide,		*0.0	¥-	-	<u> </u>	MADE GROUND: black ashy gravel s		ר ז		-
	Orthophosp hate, pH,				-		frequent bricks and boulders of blue c				
	TPH-CWG, additional				- 1.0		Firm to stiff red-brown slightly sandy C occasional subangular to rounded fine				- 1.0_
	parameters*				-	:	gravel and cobbles			Dry, NVO	
	[^] ) Soil: (VOC,				-						
	additional parameters*		*0.0		1.5_	:- <u>-</u>					_ 1.5_
	*)				-						
					-						-
					2.0	[ [					2.0
					-						
					-						
	2.5m Leachate:	$\square$	*0.0		2.5_						2.5
	(Surfactants,				-						
	pH, SVOC) Soil: (TPH				-						
	(ali/aro split))		*0.0		3.0_						3.0
					-	:-:-:	BEDROCK: Pale grey-yellow fine grain	ned limestone			-
					-		DEDITION: I all grey yellow line grain				-
					3.5_	-					3.5 <u> </u>
					-						
					4.0_	-					_ 4.0_
					4.0 -	1					4.0 _
					-	-					
					4.5_						_ 4.5_
					-	-					-
					-	1					
					- 5.0_	-					_ 5.0 _
					-						_
NVO – No	LOCATION / visual or olfac	NO	TES:	ce			LEGEND	BOREHO	LEL	OG	
	contamination	y	Criacin				Line d'atturb a di O annuala	),E,F,G, A & C Site Investig	gations		
	evel 84.918 mA backfilled with						<ul> <li>➡ Undisturbed Sample</li> <li>★ Headspace Analysis</li> <li>Client: Rhodia</li> </ul>	aven			
	al parameters						✤ Down Borehole Analysis	App'c	d:	Date: 09/03/07	
							Groundwater Table		n : VS : as shown	Ref: Plot G	
							Perched Water Table		size: A4	Job No: 4432021 BOREHOLE	

_	SAMPLE		SOIL VAPOUR (ppm)	~			BOREHOLE NUMBER: TP762G		PA	GE 1 of 1	
BOREHOLE CONSTRUCTION		_	g) Rl	VTEF			DRILLING DATES: 8th March 2007			)S : Trial Pitting	<b>N</b>
DH CON			POL	<b>M</b> MC	Ê	۲	DRILLER : Joy Plant	BOREHOLE			J
ORE	NUMBER	ш	۲A -	INI	TH (	LOO	LOGGED BY : KL	SCREEN TY			
^m NOS			SOIL	GROU	DEPTH (m)	GEOLOGY	CHECKED BY : ARD	SCREEN SL			
	1		0)	+		0					
					0.0	***	DESCRIPTION MADE GROUND: concrete hardsta		ar		0.0
					-	$\otimes$					-
					_	XX	MADE GROUND: grey sandy grave	elly clay with		-	-
	0.8m Leachate:				0.5_	$\otimes$	angular medium to coarse hardcore cobbles of concrete and wood	e gravel with			0.5
	(Surfactants, Metals, Total		*0.0		-	$\otimes$				Dry, strong sulphur odour	-
	Cyanide,	X	*0.0		_	$\otimes$					-
	Orthophosp hate, pH)				1.0_	*	MADE GROUND: soft to firm brow	n slightly sandy		-	1.0
	Soil: (pH)				-	***	slightly gravelly clay with angular fir	ne gravel and			-
						$\otimes$	pockets of black sandy clay and of	yellow fine sand	C		
	1.5m	X			1.5_	***				Dry	1.5_
	Leachate: (Surfactants,				-	$\otimes$					-
	Sulphate, pH, TPH-				- 2.0	$\sim$	Soft to firm orange-brown slightly s	andy clightly		-	
	CWG, SVOC)				2.0 _		gravelly CLAY with pockets of fine	yellow sand			2.0_
	Soil:				-						-
	(Sulphate, SVOC)				- 2.5						2.5_
					2.5 _						2.5 _
					-						
					_ 3.0_						3.0
					- 0.0	 					-
					-						-
			*0.0		_ 3.5_	·					3.5_
					-		Firm orange-brown slightly sandy C		)		-
					-		angular to subangular fine to coars cobbles, with pockets of black clay				_
					- 4.0_		frequent rootlets	-			4.0
					-	*******	Red-brown gravely SILT with angu	lar to subangula	ar		-
					-		fine to coarse gravel and frequent I	arge cobbles			-
	5.0m Leachate:				- 4.5_	******				Dry, NVO	4.5
	(Surfactants, TPH-CWG,				-	******					_
	SVOC) Soil: (VOC,				-	*******					-
	TOC/PSD)	X	*0.0			^*^*^*** ******				_	5.0
					_		BEDROCK: grey / pink crystalline li	mestone			-
NVO = No	OCATION / Notest	NOTE	<u>ES:</u> videno	се			LEGEND Disturbed Sample Job Title: P	BOREH			
of c	contamination							lots D,E,F,G, A & C Site Inv	vestigations		
	evel 84.937 mA backfilled with s	-					Headspace Analysis     Client: Rho				
							Down Borehole Analysis		App'd:	Date: 09/03/07	
							Groundwater Table		Drawn : VS		246
							Perched Water Table		Scale: as sh Drg. Size: A		

z	SAMPLE		SOIL VAPOUR (ppm)	В			BOREHOLE NUMBER: TP763G	F	PAGE 1 of 1	
BOREHOLE CONSTRUCTION		Π	UR (	ATE			DRILLING DATES: 8th March 2007		DS : Trial Pitting	
L H H H H H H H H H H H H H H H H H H H			PO	GROUNDWA	E)	۲ ۲	DRILLER : Joy Plant	BOREHOLE DIAM		
ISTI	NUMBER	ш	<u>م</u> ۲ -	NN	EPTH (m)	EOLOGY	LOGGED BY : VS	SCREEN TYPE &	DIAM: n/a	
Щ щ с		ΓΥΡΙ	soll	GRO		0EC	CHECKED BY : ARD	SCREEN SLOT SI	ZE: n/a	
		-		+			DESCRIPTION		COMMENTS	
	0.3m Leachate: (Surfactants,	$\boxtimes$	*0.0		0.0_ - - - 0.5_		MADE GROUND: red-brown very grav cobbles of bricks and concrete with su subrounded fine to coarse black grave shale	bangular to	Damp, NVO	- 0.0
	Metals, Total Cyanide, Orthophosp hate)			N1- N1-	-		MADE GROUND: brown clayey gravel cobbles of concrete and limestone, pla subangular to rounded fine to coarse	stics, rebar and	Damp, NVO	
	1.5m Leachate:	$\boxtimes$	*0.0		- - - 1.5_		MADE GROUND: red-brown gravelly		_	
	(Sulphate, TPH-CWG, SVOC) Soil: (Sulphate, TPH(ali/aro split), VOC,				- - 2.0_ -		with fine to coarse sand and subangula fine to medium gravel, with fragments concrete, clinker		Water has oily sheen	2.0
	TPH(ali/aro split), VOC, SVOC) *0.0 2.1						Firm brown slightly gravelly CLAY with rounded fine to medium gravel and wit matter and fibres		Damp, NVO	 2.5 
	3.2m Leachate: (pH, SVOC)	$\boxtimes$	*0.0		3.0		Very soft black-green to grey-green sli SILT with gravels of shale, grass and a	ghtly sandy a tree branch	Black staining outside of the green silt organic	3.0
			*0.0		3.5_ - -				and chemical odour	3.5
					4.0		Stiff light brown slightly sandy CLAY w rootlets and black spackled mottling	ith frequent	Damp, NVO	4.0
	4.75m Leachate: (Surfactants) Soil: (TOC/PSD)	$\boxtimes$			4.5_ - -				Dry, NVO; abandoned excavation due to	4.5_ _ _
					- 5.0_ -				problems in getting deeper in stiff material	5.0_
NVO = No of o	LOCATION / o visual or olfac contamination	tory	<u>IES:</u> evidend	ce			Lindiaturbad Sampla	BOREHOLI E,F,G, A & C Site Investigatio		
	evel 85.867 mA backfilled with		il				<ul> <li>★ Headspace Analysis</li> <li>Client: Rhodia</li> </ul>	2VEI1		
	-						Down Borehole Analysis	App'd:	Date: 09/03/07	
							Groundwater Table		-	
							$\stackrel{=}{\bigtriangledown}$ Perched Water Table	Scale: as	shown Job No: 443202	15

	SAMPLE	(mq	~			BOREHOLE NUMBER: TP764G		PAG	E 1 of 1	
BOREHOLE CONSTRUCTION		SOIL VAPOUR (ppm)	TER			DRILLING DATES: 8th March 2007	DRILLING ME		. Trial Ditting	
UC UC		POL	GROUNDWAT	Ê	ž	DRILLER : Joy Plant	BOREHOLE D			
STF	NUMBER	_ ×	INI	EPTH (m)	EOLOGY	LOGGED BY : VS	SCREEN TYPE			
^m NOS			GRO	DEP	0 UEO	CHECKED BY : ARD	SCREEN SLO			
			⊢			DESCRIPTION	I	C	COMMENTS	
	0.6m Leachate:	√ *0.0		0.0_ - - 0.5_		MADE GROUND: dark brown clay subangular medium to coarse grey organic matter, cobbles of bricks a and plastic and fragements of railw	with angular to r-brown gravel with nd concrete, wood	1	Dry, NVO	0.0
	(Surfactants, additional parameters*	X 0.0		-		MADE GROUND: white to grey cor	ncrete		Dry, NVO	-
	'*) Soil: (additional	*0.0		- 1.0_ -		Stiff red-brown very gravelly sandy subangular to subrounded medium			Dry, NVO	1.0
	parameters* *)	X	Å	- - 1.5_		with cobbles of limestone with white and cobbles of black tar			Dry, NVO	- - 1.5_
	1.3m Leachate: (Surfactants, Sulphate, TPH-CWG,	*0.0				Stiff brown-yellow grey laminated s with some subrounded to subangu black gravel of sandstone, pockets cobbles of limestone	lar fine to medium	.Y		2.0
	SVOC, additional parameters* *) Soil:					Stiff grey laminated brown-yellow s with much subrounded to subangu black gravel of sandstone, pockets cobbles of limestone	lar fine to medium		Dry, NVO	2.5 -
	(Sulphate, TPH(ali/aro split), SVOC)	*0.0		-						2.5
				- 3.0_ - -		Stiff brown-yellow sandy gravelly C laminations and lots of cobbles of c sandstone	LAY with grey prange fine graine	b	Dry, NVO	3.0
		*0.0		- 3.5_ -		Stiff red-brown very sandy CLAY w	ith a few gravel		Dry, NVO	
				- - 4.0 -						
		*0.0		- - 4.5 -		Red-brown clayey very gravely SAI subangular medium to coarse grav cobbles of sandstone and limeston	el with frequent		Dry, NVO, abandoned excavation because excavator had	
				- - 5.0_				9	problems in getting deeper in stiff material	- - 5.0
	LOCATION / N		ce		-	LEGEND	BOREHO	LE L	OG	-
of o	contamination					Disturbed Sample         Job Title: P           Undisturbed Sample         Location: W	Plots D,E,F,G, A & C Site Investi Vhitehaven	gations		
Trial pit is	backfilled with s al parameters: N	spoil	-al			Headspace Analysis Client: Rho				
	Orthophosphate		a			Down Borehole Analysis		d: /n : VS	Date: 09/03/07 Ref: Plot G	
						<ul> <li>✓ Groundwater Table</li> <li>✓ Perched Water Table</li> </ul>		n : ∨S ∋: as show		15
								Size: A4	BOREHOLE	

	SAMPLE	(mq				BOREHOLE NUMBER: TP7	1650		PAGI	E 1 of 1	
BOREHOLE CONSTRUCTION		TYPE   SOIL VAPOUR (ppm)				DRILLING DATES: 8th March 20				. Trial Ditting	
		POL	V/V/C	<u>GROUNDWA</u> DEPTH (m)	۲	DRILLING DATES: our March 20 DRILLER : Joy Plant		OREHOLE DI		: Trial Pitting R · n/a	
STF	NUMBER	_ ₹		EPTH (m)	EOLOGY	LOGGED BY : KL		CREEN TYPE			
^m NO					GEO	CHECKED BY : ARD		CREEN SLOT			
			-			DESCB			С	OMMENTS	
				0.0		MADE GROUND: white to g with thick rebar		nardstandin	g		0.0
				- - - 1.0 - - - - - - - - - - - - - - - - - -		MADE GROUND: soft to fir brown and orange mottled o angular to subangular fine t Fragments of glass materia of white fine sandy clay	clay with occas to medium grav	ional /el.			
	1.6m Leachate: (Surfactants, additional parameters*	*0.0				MADE GROUND: black slig brown mottled with clinker, of cloth and piping	coal, wood and	fragments	5 [	Dry, strong HC / kerosene odour	  2.0
	*) Soil: (Ammonium, Nitrate, additional parameters* *)			- - - 2.5_ -		gavel of coal, clinker and as	mottled with angular to subangular fine to coarse gavel of coal, clinker and ash. Frequent fragments glass, ceramic material and black organic matter			Dry, NVO	  2.5
											3.0
	3.5m Leachate: (Surfactants, pH, TPH- CWG) Soil: (TPH (ali/aro split),	*0.0		3.5_ - - - 4.0_		MADE GROUND: soft brow mottled with angular to sub- gavel of coal, clinker and as glass, ceramic material and large cobbles of bedrock	angular fine to sh. Frequent fra	coarse agments of			3.5
	VOC)			- - - 4.5_	-	BEDROCK: grey crystalline veining and cavities of 0.5 t		n red / pink			
				- - 5.0_	-						- - 5.0_ -
	LOCATION / I					LEGEND Disturbed Sample		BOREHO		OG	
of o	contamination	-	-			Undisturbed Sample	Job Title: Plots D,E,F,G Location: Whitehaven	, A & C Site Investi	gations		
Trial pit is	evel 87.572 mA backfilled with	spoil				Headspace Analysis	Client: Rhodia				
	al parameters a nide, Ortho Pho		/letal	s,		Down Borehole Analysis		App'c		Date: 09/03/07	
	pH, SVOC					Groundwater Table	UR	Draw Scole	n : VS e: as shown	Ref: Plot G Job No: 4432021	15
						♀ Perched Water Table			Size: A4	BOREHOLE	

z	SAMPLE		(IIIdd	Ē			BOREHOLE NUMBER: WS	S766G		PAG	E 1 of 1		
BOREHOLE CONSTRUCTION			ч	ATE			DRILLING DATES: 7th March 2	2007	DRILLING MET		· Window Sar	nplina	
			PO	<b>GROUNDW</b>	(E	γ	DRILLER : Joy Plant		BOREHOLE D				
NSTI NSTI	NUMBER	ш Š	SOIL VAPOUR (ppm)		EPTH (m)	GEOLOGY	LOGGED BY : LB		SCREEN TYPE	E & DIA			
Ш О СО			soll	GRO	DEF	GEC	CHECKED BY : ARD SCREEN SLOT SI			SIZE:	SIZE: n/a		
				DESCRIPTION			COMMENTS						
	0.5m Leachate: (Surfactants)				0.0		MADE GROUND: light bro subangular fine to coarse	own silty angu			Damp	0.0	
	Soil: (Ammonium, Nitrate, additional parameters*	X			0.5_	$\bigotimes$		MADE GROUND: grey-blue angular to subangular				0.5	
V/A V//		*0.	.0		_	$\otimes$	fine to coarse gravel with cement clinker				Dry		
VA VI					1.0 _	***	MADE GROUND: firm red					1.0 _	
V/A V//	*)	*0.	.0		-	$\otimes$	with angular to subangular fine to coarse blue-grey gravel with cement clinker with occasional yellow -						
		$\boxtimes$				***	white mottling				Damp, slight HC	_ 1.5_	
V/X V//	1.5m					$\otimes$	MADE GROUND: very sol	MADE GROUND: very soft light grey-blue silt			odour		
	Leachate: (Sulphate, TPH-CWG, SVOC,				- - 2.0_		MADE GROUND: dark brown to black gravelly silt with subangular fine to medium black gravel			th	Damp	- - 2.0 -	
VA VI	additional parameters*				-	******	Dark brown gravelly SILT medium gravel	with subangu	lar fine to		Damp	-	
VIA VII	*)				2.5_	****** ******* ******	mediam graver					2.5	
	Soil: (Sulphate,	*0.	*0.0		_	******						-	
V/X V//	TPH(ali/aro split), VOC,				<u></u>	Dark brown gravelly CLAY with subrounded fine to				Damp	3.0 _		
VIA VII	SVÓC)			Ā	_	******	\medium gravel				Wet	-	
					- - 3.5	*******	Dark brown very gravelly S subrounded fine to mediur	m gravel			Wet	- 3.5_ -	
					4.0_	××××××× ××××××××××××××××××××××××××××××	Black very gravelly SILT w subrounded fine to mediur sandstone				Damp Damp, no drilling	- - 4.0	
				Å			Red-brown CLAY with occasional subrounded fine to			///	returns Wet	-	
		*0.	0.0		4.5	******	Blue-grey angular fine to c	oarse GRAVI	EL of		Damp	4.5	
					- - 5.0_		Dark brown very gravelly S	SILT with blac	k subangular		·	_ _ 5.0 _	
							<u> </u>	Damp, no drilling returns					
					- - 5.5_		Red-brown slightly gravelly CLAY with subrounded / fine to medium gravel and black mottling					5.5	
	00 000 5.7m ⊠ 00 000 Leachate:			-		Very soft red-brown CLAY with occasional							
	6.0_				6.0_		subrounded fine to mediur	m gravel			Damp	_ 6.0	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			-		Possible weathered BEDROCK				Damp			
	)	*0.	.0		- - 6.5_							- - 6.5_	
<u> </u>						:-:-:							
LOCATION / NOTES: NVO = No visual or olfactory evidence							LEGEND		BOREHO	LE L	OG		
of contamination							Disturbed Sample	Job Title: Plots D,E	,F,G, A & C Site Investi	gations			
Ground Level 87.019 mAOD Trial pit is backfilled with spoil							Undisturbed Sample	Location: Whitehav	en				
**Additional parameters: Metals, Total							<ul> <li>★ Headspace Analysis</li> <li>↓ Down Borehole Analysis</li> <li>▲ App'd:</li> </ul>			d:	Date: 09/03/07		
Cyanide, C	Orthophosphate	e, pH					Groundwater Table						
							$\overline{\underline{\nabla}}$ Perched Water Table		Star	e: as shown	Dob No: 4432021 BOREHOLE		
							-		Drg.	Size: A4	BUREHULE	LUG	

	SAMPLE		(mq				BOREHOLE NUMBER: TP767	20	PAG	E 1 of 1			
BOREHOLE CONSTRUCTION		$\square$	SOIL VAPOUR (ppm)	TER						T : 1 D'''			
			٥U	GROUNDWA	Ê	≿	DRILLING DATES: 8th March 2007 DRILLER : Joy Plant	BOREHOLE		: Trial Pitting			
STR	NUMBER		VAF	IN	DEPTH (m)	GEOLOGY	LOGGED BY : LBu						
^M NO		YPE	SOIL	N N	ĒP	EO	LOGGED BY : LBu     SCREEN TYPE & DIAM: n/a       CHECKED BY : ARD     SCREEN SLOT SIZE: n/a						
0			0 0			Ċ							
	0.7m Leachate: (Surfactants, Sulphate, TPH-CWG, additional parameters*				0.0_	***	DESCRIP MADE GROUND: topsoil with			COMMENTS	0.0		
		$\boxtimes$	*0.0	¥-	- - 0.5_ - -		MADE GROUND: pale grey-brown coarse gravel with a sandy clay matrix. Large boulders and occasional bricks with some concrete blocks with rebar				- - 0.5_ - -		
					- 1.0_ - -						 1.0 		
	*) Soil: (TPH			Ā	– 1.5_	$\bigotimes$							
	(ali/aro split), VOC, Ammonium, Nitrate, additional parameters* *)			-	-   -   -		MADE GROUND: concrete			Abandoned excavation to prevent water ingress with possibly surfactans into	1.5 _ _ _		
					2.0					strata beneath	2.0		
					2.5						2.5		
											3.0		
					- 3.5_ -						3.5_		
					- - 4.0_						- 4.0 -		
					- - 4.5_ -						- - 4.5_ -		
					- - 5.0_						5.0		
LOCATION / NOTES: NVO = No visual or olfactory evidence							LEGEND	BOREH		OG			
Ground Level 86.222 mAOD Trial pit is backfilled with spoil							Undisturbed Sample	o Title: Plots D,E,F,G, A & C Site Inve cation: Whitehaven ent: Rhodia	estigations				
**Additional parameters at 0.7m: Metals, Total Cyanide, Orthophosphate, SVOC						Down Borehole Analysis			op'd:	Date: 09/03/07			
	,	- 1-1-1	, 010				Groundwater Table						
							Perched Water Table	Scale: as sh Drg. Size: A					

	SAMPLE	(mq					27600		PA	GE 1 of 1			
BOREHOLE CONSTRUCTION		TYPE   SOIL VAPOUR (ppm)	ATER	_		BOREHOLE NUMBER: WS DRILLING DATES: 7th March 2				S : Window Sar	mpling		
		PO	<u>GROUNDWA</u>	Ē	تح ت	DRILLER : Joy Plant		BOREHOLE					
ISTI USTI	NUMBER	A A		DEPTH (m)	GEOLOGY	LOGGED BY : PM SCREEN TYPE & I			YPE & DI				
Ш Ó С		<u>TYP</u> SOII		DEP	GEO	CHECKED BY : ARD SCREEN SLOT SI				ZE: n/a			
			+	0.0_		DESCRIPTION				COMMENTS	0.0_		
				- 0.0		MADE GROUND: soft dark	MADE GROUND: soft dark brown slightly gravelly slightly sandy clay as topsoil				- 0.0 -		
	0.4m Leachate: (Surfactants)	*0.0		- - 0.5_		MADE GROUND: grey-brown slightly clayey very sandy subangular to subrounded fine to coarse gravel of mixed gritstone, sandstone and limestone			avel	Damp, NVO	- - 0.5		
	1.05m Leachate:			- - 1.0_		MADE GROUND: dark bro gravel of quartz-rich granite	own very clayey coarse e			Damp, staining surrounded slight solvent odour	- - 1.0_		
	(Sulphate, TPH-CWG, SVOC)	× × *0.0		-		MADE GROUND: firm red gravelly clay (reworked natural) with subangular to subrounded fine to coarse gravel, gritstone, pottery, fragments of sandstone, vitrinite			Damp, NVO	-			
	Soil: (Sulphate, TPH(ali/aro split), VOC,			- 1.5_						_ 1.5			
	SVOC, PCB) 1.2m Leachate: (Surfactants, additional parameters* *) Soil: (Ammonium, Nitrate, additional	*0.0		- - 2.0_		Stiff red-brown very gravell subrounded fine to coarse black vitrinite, sandstone a	gravel, coars			Dry, NVO	- - 2.0_		
		*0.0		2.5							- - - 2.5		
											-		
	parameters*	*0.0	*0.0	*0.0	*0.0	3.0							3.0 _ _ _
	3.5m Leachate: (VOC, SVOC,		*0.0	- 3.5_ - -							- 3.5 - -		
	additional parameters* *)	*0.0		1	4.0		Red very gravelly coarse SAND with subrounded to rounded medium to coarse gravel of limestone. Refusal at 4m bgl possibly bedrock.			0	Damp, NVO	_ 4.0 _	
				- 4.5_							- - 4.5_		
				- - 5.0_	-						- - 5.0_		
LOCATION / NOTES:						LEGEND		BOREH	OLE I	LOG			
NVO = No visual or olfactory evidence of contamination						Disturbed Sample	Job Title: Plots D,E,			200			
Ground Level 85.366 mAOD						Undisturbed Sample	Location: Whitehave	en					
Trial pit is backfilled with spoil **Additional parameters: Metals, Total Cyanide, Orthophosphate, pH						Headspace Analysis	Client: Rhodia	T.	Ammini	Deta: 00/00/00			
						Down Borehole Analysis			App'd: Drawn : VS	Date: 09/03/07 Ref: Plot G			
						<ul> <li>✓ Groundwater Table</li> <li>✓ Perched Water Table</li> </ul>	UR		Scale: as sho		5		
									Drg. Size: A4				