

		Т		Τ						
Z	SAMPLE		SOIL VAPOUR (ppm)	EH			BOREHOLE NUMBER: WS 163		PAGE 1 OF 1	
BOREHOLE			Ä	ATE			DRILLING DATES: 21/9/01	DRILLING METHO	DDS : Window Samp	ole
BUG			٩PO	GROUNDWAT	Œ	Ğ	DRILLER: GRL	BOREHOLE DIAM	METER : 50mm	
30R VST	NUMBER	اسا	>		DEРТН (m)	зеогоах	LOGGED BY : ML	SCREEN TYPE &	DIAM: uPVC 35mm	
OS OS		TYPI	SOI	GRC	DEF	GEC	CHECKED BY : JM	SCREEN SLOT S	IZE: 2mm	
					0.0_		DESCRIPTION	<u> </u>	COMMENTS	0.0_
\//\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		\Box			-		MADE GROUND: Tarmac hardstanding.		Damp,NVO] 0.0 –
	0.05-0.5m- Asbestos						MADE GROUND: Loose black and dark brown abundant fine gravel of mudstone and sandstor and dark brown coarse sand, some light brown light brown clay and rare light brown medium g MADE GROUND: Soft dark brown reworked clay gravel of limestone and mudstone, numerous limettling and some fine gravel. Very stiff light brown/orange CLAY with frequencoal, light orange fine sand and fine gravel and mottling, yellow silt mottling, light brown and pinedium gravel. becoming with numerous black peaty mottling. Soft/firm light brown silty CLAY with numerous frequent black mottling and occasional black fine	ne, numerous black fine sand, occasion ravel of sandstone. ay with much mediuing to range fine sand occasional black ink coarse sand and light brown fine sand light brown fine sand light brown fine sand in the sand light brown fine sand light brown fine sand in the sand light brown fine sand light brown fine sand in the sand light brown fine sand light	Damp,NVO Dry,NVO Dry,NVO Dry,NVO Dry,NVO	0.5
					1.5_		frequent black mottling and occasional black fill fine gravel of sandstone and mudstone.	ne gravei of coal and	Damp,NVO	1.5_
					-	[<u>-</u>	becoming with abundant black peaty mottling.	A la la ala sa a Allia a		-
					2.0_		Very soft light brown peaty CLAY with abundar numerous fine sand and occasional black fine coarse sand.		Wet/damp, NVO	2.0_
					- -		Hard cemented friable (flinting) yellow/orange (SANDSTONE.	rusty) fine grained	Dry,NVO	-
					2.5 _ - - -		Borehole completed at 2.3mbgl due to refusal i	n hard sandstone.		2.5_
					3.0					3.0 —
					3.5 _ - - -					3.5 <u> </u>
					4.0_	-				4.0_
<u> </u>	OCATION	/ N/O	TEC:		4.0_		LECEND	DODENO	FLOC	4.0
NVO = No	OCATION / visual or olfa contamination	ctory		ce			Undisturbed Sample Location: Whiteh ★ Headspace Analysis Location: Whiteh Client: Rhodia		tigation	
							Down Borehole Analysis	App'd:		
							Groundwater Table □ Perched Water Table		as shown Job No: 44557-0	21-420
							T GIGHEG WATER TABLE	Drg. Si	ize: A4 BOREHOLE	LOG

7	SAMPLE	TYPE SOIL VAPOUR (ppm)	ď			BOREHOLE NUMBER: TP720E	≣	PAGE	1 of 1	
BOREHOLE CONSTRUCTION			TER	-1		DRILLING DATES: 6th March 2007	DRILLING ME	 :THODS :	Trial Pitting	
			2	(E)	7	DRILLER: Joy Plant	BOREHOLE I			
ORE	NUMBER		Z	EPTH (m)	Ö	LOGGED BY : LBu	SCREEN TYP			
MON		YPE	GROUNDWA!	EP.	GEOLOGY	CHECKED BY : ARD	SCREEN SLO			
					0				OMMENTS	
	0.7m Leachate:			0.0_	XXX	DESCRIPT MADE GROUND. Reinforced of			JIVIIVILIVI 3	0.0
	(Surfactants,			-	\otimes			J.		
	Metals, Total Cyanide,		=	' - _		MADE GROUND. Grey coarse hardcore. 12inch drain at appro	e angular gravel of oximately 0.3m (silted	.		
	Orthophosp hate,			0.5_	<u> </u>	up)	, , , , , , , , , , , , , , , , , , , ,			0.5
	Sulphate, pH, TPH-			-		Soft to firm red-brown CLAY wi	ith frequent fine to			
	CWG) Soil: (VOC,			-		coarse subangular to subround	ded graveis.		Dry, NVO	
	PCB,			1.0_						1.0
	Ammonium, Nitrate)			-						
				-						
		M		1.5_						1.5_
	1.4m Leachate:			-						
	(Surfactants, TPH-CWG,			-	 	Yellow-brown fine grained LIME	ESTONE with			
	SVOC) Soil: (TPH-			2.0_		occasional dissolution voids.		_/		2.0_
	CWG, SVOC)			-		Terminated at 1.9m - bedrock				
	3000)			-						
				2.5_						2.5_
				-						
				-						
				3.0_						3.0
				-						
				-						-
				3.5_						3.5
				-						
				-						
				4.0_						4.0
				-						
				-						-
				4.5_						4.5_
				-						
				-						-
				5.0_						5.0
				-		·				_
NVO - NO	LOCATION / visual or olface	NOTES:	റല			<u>LEGEND</u>	BOREHO		OG	
	contamination	, ovide				I Indiaturbed Comple	Title: Plots D,E,F,G, A & C Site Inve	stigations		
	evel 83.797 m <i>A</i> backfilled with						ation: Whitehaven nt: Rhodia			
I THAI PIL IS	Saokiniou Willi	Spoil				Down Borehole Analysis	Ар	o'd:	Date: 09/03/07	
								wn : KL	Ref: Plot E	
						□□□Perched Water Table		ale: as shown i. Size: A4	Job No: 443202	
						<u>_</u>	Dig		1 33	

z	SAMPLE		SOIL VAPOUR (ppm)	<u>«</u>			BOREHOLE NUMBER: WS721E	<u> </u>		PAG	GE 1 of 1	
BOREHOLE		П	UR (ATE			DRILLING DATES: 6th March 2007		DRILLING	METHODS	S : Windown S	Sampling
			PO	GROUNDWA	(E)	β	DRILLER: Global Probing & Samplir	ng			ER : 200mm	
SOR	NUMBER	ш	>		EPTH (m)	EOLOGY	LOGGED BY : PM		SCREEN	TYPE & DIA	ΔM: 50mm (Ge	eosoc)
			SOII	GRG	DEF	GEC	CHECKED BY : ARD		SCREEN	SLOT SIZE	: 1mm	
							DESCRIPTI	ION			COMMENTS	
	0.3m Leachate: (additional parameters*		*<0.1 *20.8		0.0_		MADE GROUND. Very soft light with frequent organic rootlets.	t borwn		/	Dry, NVO	0.0
	soil: (SVOC,		20.0		0.5_	<u> </u>	MADE GROUND. Red clayey find of red brick with frequent fine ro		ngular gra	avel /		0.5
	PCB, Ammonium,				-		MADE GROUND. Firm dark gre Gravel is medium angular to sul					
	Nitrate, additional parameters*		*4.8		-		and calcite.	Dariguia	i iiiilestoi			
	*)				1.0_		Stiff orange mottled brown-dark CLAY. Gravel is fine to medium subrounded vitrinite, sandstone.	, subanç	gular to	avelly	Dry, NVO	1.0
			*11.3		-		Sabroanaca viannie, Sanasione,	, 11110310				
	1.5m Leachate: (TPH-CWG)				1.5_						Wet, NVO	1.5
	Soil: (TPH- CWG, VOC)			<u>-</u>	-	 	Soft brown mottled black CLAY	often sr	neckled h	lack		1 7
	,		*19.5		2.0_		with organic matter.	Onton op	oomoa b	laon		2.0
					-]
	2.9m				2.5_							2.5_
	Leachate: (SVOC)		*<0.1		-							
	Soil: (SVOC)				-							1 1
		X			3.0_	-=	Weathered LIMESTONE recove	ered as	brown ve	rv		3.0
V //////	3.3m		*<0.1		-		clayey medium to coarse suban grained white limestone. Cobble	ıgular gr	avel of fir	ie		1 1
V //////	Leachate: (Surfactants,	M			3.5_		granied winte innestone. Cobbie	e or illine	Storie at c	0.4111.		3.5
	Orthophosp hate, pH)				3.5 _		Refusal at 3.5m - assumed bed	lrock				3.5
	nato, prij				-							
					4.0_							4.0
					-	1						
					-	1						
					4.5_	1						4.5
					-	-						-
					-	1						
					5.0_							5.0
	OCATION /			1			<u>LEGEND</u>		BORE	HOLE I	LOG	1
	visual or olfact contamination	tor	y evidend	е			<u></u>	itle: Plots D,E	F,G, A & C Site	Investigations		
	vel 87.431 m backfilled with						-	ion: Whitehav	en			
**Addition	al parameters nide, Orthopho	at 0).3m: Me				Down Borehole Analysis			App'd:	Date: 09/03/07	
pH	iide, Orthopho	opr	iai e , Sulf	Jild	i c ,		Groundwater Table	tj;	25	Drawn : KL	Ref: Plot E	
							Perched Water Table			Scale: as shown Drg. Size: A4	wn Job No: 443202 BOREHOL	
						·	1			1	1	

z	SAMPLE	SOIL VAPOUR (ppm)	E E		BOREHOLE NUMBER: TP722E		PAGE	1 of 1	
BOREHOLE		H N	I ⊢ I		DRILLING DATES: 5th March 2007	DRILLING ME	THODS :	Trial Pitting	
		l PO	GROUNDWA DEPTH (m)	ĞΥ	DRILLER : Joy Plant	BOREHOLE D			
SOR	NUMBER	_		70	LOGGED BY : LBu	SCREEN TYP	E & DIAM	: n/a	
		SOIL	GROUNDW DEPTH (m)	GEOLOGY	CHECKED BY : ARD	SCREEN SLO	T SIZE: n	ı/a	
		+			DESCRIPTION	 	CO	OMMENTS	
	0.5m Leachate:	*<0.1	0.0_	XX	MADE GROUND. Grass and pale			Dry, NVO	0.0 —
	(Surfactants, Orthophosp hate, Sulphate, pH, TPH- CWG, SVOC) Soil: (TPH- CWG, VOC,	*<0.1	0.5_		sandy topsoil with many rootlets. Firm orange-brown slightly sandy 0 occasional fine to coarse subangul sandstone fragments.		ng		0.5 —
	SVOC, PCB)		-		0.6111			Moist	- -
	1.5m Leachate: (TPH-CWG, additional	*<0.1	1.5_		Soft dark brown-black sandy CLAY	(possible staining	g) 		1.5 — — — —
	parameters* *) Soil: (VOC, SVOC, Ammonium, Nitrate.		2.0_						2.0
	additional parameters*		2.5_	-	Terminated at 2.4m				2.5
			3.0_	-					3.0
			3.5_	-					3.5 —
			4.0 _	-					4.0 —
			4.5 _						4.5 — — —
			5.0_	-					5.0
NVO - NO	LOCATION / No visual or olfactor	NOTES:			<u>LEGEND</u>	BOREHO	LE LO	OG	
	contamination	, 51146110	. •		Lindiatoula ad Carrenda	Plots D,E,F,G, A & C Site Invest	tigations		
	evel 87.237 mAC backfilled with s				Undisturbed Sample Location: ★ Headspace Analysis Client: Rho				
**Addititor	nal parameters a	t 1.5m: M	etals,		→ Down Borehole Analysis	dia App	'd:	Date: 09/03/07	
Total Cyar	nide, Orthophos	phate, Sulp	onate,		▼ Groundwater Table		wn : KL	Ref: Plot E	
'					✓ Perched Water Table	Ocal	le: as shown	Job No: 443202	
					=	Drg.	Size: A4	BOREHOLE	LOG

z	SAMPLE		SOIL VAPOUR (ppm)	ER			BOREHOLE NUMBER: TP723E		PAGE	1 of 1	
BOREHOLE		П	UR (DRILLING DATES: 5th March 2007	DRILLING MET	L HODS :	Trial Pitting	
XX			PO	DW	Œ	>_	DRILLER : Joy Plant	BOREHOLE DIA			
ORI	NUMBER	PE	>		Ē	LO.	LOGGED BY : LBu	SCREEN TYPE			
		IYP	2011	GROUNDWA'	DEPTH (m)	GEOLOGY	CHECKED BY : ARD	SCREEN SLOT	SIZE: n	ı/a	
		$^{\prime}$		+			DESCRIPTION		C	OMMENTS	
					0.0_	XXX	MADE GROUND. Grass with dark brow	vn slightly		Dry, NVO	0.0
					-	<u> </u>	sandy topsoil and many rootlets.			Dry, NVO	-
						====	Red-light brown slightly sandy CLAY wifine to coarse subangular gravel.	ith occasional		Diy, NVO	
			*<0.1		0.5_		ille to coarse subarigular graver.				0.5_
					-						-
					-						
	1.0m Leachate:		*<0.1		1.0_						1.0_
	(SVOC) Soil: (VOC,				-	===					
	SVOČ)					:===:					
					1.5_	:: ::					1.5_
					-						
			*<0.1		2.0_						2.0_
			ζ0.1								2.0 —
					-						
					2.5_						2.5_
					-						2.5
					-						
					3.0_						3.0_
					-	====					0.0 _
					_						
	3.5m		*<0.1		3.5_	- <u></u> -	Soft dark brown-black sandy CLAY.			Moist	3.5_
	Leachate: (Surfactants,	M			_		,				-
	TPH-CWG)				_	:===:					
	Soil: Total Cyanide,				4.0_	\pm	Pale grey-pink fine grained LIMESTON	lE			4.0
	Orthophosp hate)				-		Trial pit terminated at 4.0m in bedrock				-
					-						
					4.5_						4.5_
					-						
					_						
					5.0_						5.0
					_						_
NVO = No	OCATION / visual or olface	NC	TES:	ce			LEGEND M. Bitarted County	BOREHO		OG	
	contamination)	,				Indisturbed Comple	E,F,G, A & C Site Investig	ations		
	evel 88.043 m backfilled with						★ Headspace Analysis Client: Rhodia	ven			
	- 20	٠٣٠					Down Borehole Analysis	App'd	:	Date: 09/03/07	
							Groundwater Table	Drawn		Ref: Plot E	
							Perched Water Table		: as shown Size: A4	Job No: 4432021 BOREHOLE	
									***	1	

Z	SAMPLE		SOIL VAPOUR (ppm)	Œ.			BOREHOLE NUMBER: TP724E		PAG	GE 1 of 1	
BOREHOLE		П	UR	ATE			DRILLING DATES: 6th March 2007	DRILLING MET	HODS	: Trial Pitting	
			۱۳٥	GROUNDWA	$\widehat{\mathbb{E}}$	₹	DRILLER : Joy Plant	BOREHOLE DIA			
30R VST	NUMBER	Щ	/\ 		DEPTH (m)	SEOLOGY	LOGGED BY : LBu	SCREEN TYPE	& DIA	M: n/a	
		TYP	SOI	GRC	DEF	GE(CHECKED BY : ARD	SCREEN SLOT	SIZE:	n/a	
		ĺ					DESCRIPTION			COMMENTS	
			*<0.1		0.0 - -		MADE GROUND. Grass with dark browsandy slightly clayey topsoil with many			PID is unreliable as reading fluctuates even in	0.0 - -
	0.5m Leachate: (Surfactants, Orthophosp hate, , TPH- CWG,	\boxtimes	*0-40 (fluctuating)		- - 0.5 _ - - 1.0 _		Soft to firm light brown slightly sandy C frequent fine to coarse subangular gragained orange-brown sandstone.		·	air Dry, NVO	0.5 - - - - - 1.0
	SVOC) Soil: (TPH- CWG, VOC, SVOC, Ammonium, Nitrate)		*0-100 (fluctuating)		- - - 1.5_ - -						1.5_
				2	- 2.0 — - - -					Dry, NVO	2.0
	2.5m Leachate: (Surfactants, Metals, Total	X	*0-120 (fluctuating)		2.5_ - -		Soft dark brown-black CLAY			Moist	2.5 — - -
	Cyanide, Orthophosp hate, Sulphate,				- - -3.0 -		Firm to stiff light brown gravelly CLAY. to coarse subangular.	Gravel is fine			3.0_
	pH, TPH- CWG, SVOC) Soil: (VOC,				- - - 3.5		Pale grey-pink, fine grained LIMESTOI small voids.				- - 3.5_
	SVOC)				-		Trial pit terminated at 3.5m in bedrock.				-
					4.0 <u> </u>						4.0 <u> </u>
					- 4.5 						- 4.5 — - -
				í	- - 5.0 <u>-</u>	-					5.0 <u> </u>
	OCATION / visual or olfac			_ 			LEGEND	BOREHO	LE L	OG	
	contamination		, oridonio	•			Library of Organia	E,F,G, A & C Site Investig	gations		
	evel 88.740mA0 backfilled with						Undisturbed Sample Location: Whiteha ★ Headspace Analysis Client: Rhodia	aven			
That pit is	Dackilleu Will	ъþ	OII				Down Borehole Analysis Down Borehole Analysis	App'd	l:	Date: 09/03/07	
							Groundwater Table			Ref: Plot E	
							✓ Perched Water Table		: as show		
							-	Drg. S	Size: A4	BOREHOLE	LUG

7	SAMPLE	SOIL VAPOUR (ppm)	_		BOREHOLE NUMBER: TP72	5E	PAGE	1 of 1	
BOREHOLE		В (я	\TER		DRILLING DATES: 6th March 200		 G METHODS :	Trial Pitting	
L 유유		PG	GROUNDWA DEPTH (m)	<u>></u>	DRILLER: Joy Plant		LE DIAMETER		
ORE	NUMBER	\$	GROUNDW DEPTH (m)	GEOLOGY	LOGGED BY : LBu		TYPE & DIAN		
		i j		일	CHECKED BY : ARD		SLOT SIZE: n		
\vdash		- 07			DESCRIF			OMMENTS	
	0.7m Leachate: (Surfactants, TPH-CWG,		0.0_	 	MADE GROUND. Grass in d	lark brown slightly s		Dry, NVO	0.0 <u> </u>
	additional parameters* *) Soil: (TPH (ali/aro split), additional parameters* *) *)	*<0.1	0.5		Firm to stiff orange-brown slig frequent fine to coarse subar gravel and some boulders of grained limestone and orange sandstone.	ngular to subrounde pale grey-pink fine	d		0.5 — - — - — - — 1.0 —
	1.3m Leachate: (Surfactants, TPH-CWG, SVOC)	*<0.1	1.5_ - - 1.5_ -						1.5_
	Soil: (TPH (ali/aro split), VOC, SVOC)	*<0.1	2.0 _						2.0
		*<0.1	3.0_						3.0
			3.5_		Pale grey-pink fine grained L	IMESTONE			3.5
			4.0_	- - - -	Trial pit terminated at 3.8m ir	n bedrock			4.0 <u> </u>
			4.5_	- - -					4.5 — —
			5.0_						5.0_
NVO = No	LOCATION / No visual or olfactor	OTES:	e		LEGEND		CHOLE LO	OG	
of o Ground Le Trial pit is	contamination evel 89.789 mAO backfilled with sp	D poil			Undisturbed Sample	ob Title: Plots D,E,F,G, A & C Sit .ocation: Whitehaven Client: Rhodia	e Investigations		
Total Cya	al parameters at nide, Orthophosp				Down Borehole Analysis		App'd:	Date: 09/03/07	
pН		,			Groundwater Table	URS	Drawn : KL Scale: as shown	Ref: Plot E Job No: 4432021	15
I				I	□ Perched Water Table		Drg. Size: A4	300 140. 4432021	LOG

	SAMPLE	TYPE SOIL VAPOUR (ppm)			BOREHOLE NUMBER: TP726		PAGE	= 1 0f 1	
BOREHOLE		- В В	TER				=	T : 1 D::::	
^로 드		Jo	GROUNDWA DEPTH (m)	-	DRILLING DATES: 6th March 2007			Trial Pitting	
H STR	NUMBER	A	GROUNDW DEPTH (m)	GEOLOGY	DRILLER : Joy Plant LOGGED BY : LBu		<u>LE DIAMETE</u> TYPE & DIAN		
Sec			ROI EPT						
ŏ		F S	<u> </u>	ਯ	CHECKED BY : ARD	SCREEN	SLOT SIZE: 1		
			0.0_		DESCRIP			OMMENTS	0.0
			-	<u> </u>	MADE GROUND. Reinforced			Dry, NVO	-
	0.5m		-	===	Firm to stiff orange-brown slig some cobbles and occasional		ith		-
	Leachate: (TPH-CWG)	*<0.1	0.5_		subangular to subrounded gra			Moist	0.5_
	Soil: (TPH (ali/aro split),	X		====					-
	VOC,								
	SVOC)	*<0.1	1.0_	====					1.0_
	1.0m		1.0=	:===:	5.1	AFOTONE			-
	Leachate:				Pale grey-pink fine grained LIN	MESTONE.			
	(Sufactants, additional			-	Trial pit terminated at 1.3m in	bedrock			
	parameters* *)		1.5_	1					1.5_
	Śoil: (additional		-	1					-
	parameters*]] -
	(*)		2.0_	1					2.0
			-	-					-
				1]
			2.5_	1					2.5
]					
				1					
			3.0_	1					3.0
				1					
]					
			3.5_	-					3.5_
				1					
				1					-
			4.0_]					4.0
				1					
			-						-
			4.5_	1					4.5_
									-
			5.0_	1					5.0_
				1					-
NVO N	LOCATION / I	NOTES:			<u>LEGEND</u>	BORE	HOLE L	OG	
	visual or olfact contamination	lory eviden	ue			Title: Plots D,E,F,G, A & C Site	Investigations		
	evel 88.053 mA					cation: Whitehaven			
**Addition	backfilled with all parameters:	Metals, Tot	al		★ Headspace AnalysisClie★ Down Borehole Analysis	ent: Rhodia	App'd:	Date: 09/03/07	
Cyanide,	Orthophosphate	e, Sulphate	, pH		201111 201011010 7 1110117010	URS	Drawn : KL	Ref: Plot E	
					✓ Groundwater Table ✓ Perched Water Table	UM	Scale: as shown	Job No: 443202	
					=		Drg. Size: A4	BOREHOLE	LOG

z	SAMPLE	SOIL VAPOUR (ppm)	E		BOREHOLE NUMBER: TP727E		PAGE	1 of 1	
BOREHOLE		UR (I —I		DRILLING DATES: 5th March 2007	DRILLING ME	THODS ·	Trial Pitting	
		l O	<u>GROUNDWA</u> DEPTH (m)	\ <u>~</u>	DRILLER : Joy Plant	BOREHOLE D			
ORI	NUMBER U	>		ľ	LOGGED BY : LBu	SCREEN TYPE			
^m 6	 A		<u>GROUNDW</u> DEPTH (m)	GEOLOGY	CHECKED BY : ARD	SCREEN SLO	T SIZE: n	n/a	
		0,			DESCRIPTION		C	OMMENTS	
	0.4m Leachate:		0.0_		MADE GROUND. Reinforced concret	te hardstanding			0.0
	(pH, TPH- CWG,		-	₩	MADE GROUND. Concrete fragment				-
	SVOC) Soil: (TPH	*<0.1	-	\otimes	MADE GROUND. Dark brown-black				0.5_
	(ali/aro split), X		0.5_		gravel with subrounded to rounded co				0.5_
	Ammonium, Nitrate)			\otimes	MADE GROUND. Concrete hardstan MADE GROUND. Concrete and bric				
	Nitrate)		1.0_	===	Firm light brown slightly sandy CLAY				1.0_
	X		-		fine subangular gravels.	With Goodsional			1.0 _
	0.5m Leachate:								_
	(Surfactants, TPH-CWG)	*<0.1	1.5_						1.5_
	Soil: (TPH- CWG, VOC)		-						-
	J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.								_
	1.0m Leachate:	*<0.1	2.0_						2.0_
	(pH) Soil: (pH)		-	====					-
	Joil. (pri)				0.61				_
		*<0.1	2.5_		Soft dark brown CLAY.				2.5_
				====					-
	3.0m								-
	Leachate: (Surfactants,	*<0.1	3.0_						3.0_
	additional			<u>:===</u>					
	*) Soil:								-
	(additional parameters*		3.5_						3.5_
	*)								_
									-
			4.0_	-===	Tital all lands and all 40 as				4.0
				1	Trial pit terminated at 4.2m				-
			4.5_						4.5_
									_
				1					_
			5.0_						5.0
	LOCATION				LECEND	DODEST ?		2.0	
NVO = No	LOCATION / NO visual or olfactor	<u>ວ⊺⊏ວ:</u> y evidenc	e		LEGEND ✓ Disturbed Sample Job Title: Plots	BOREHO D,E,F,G, A & C Site Invest		JĠ	
	contamination	n			Undisturbed Sample Location: White		igauuns		
Trial pit is	evel 88.981 mAOI backfilled with sp	oil			★ Headspace Analysis Client: Rhodia				
Total Cya	al parameters at 3 nide, Orthophospl				Down Borehole Analysis	App'		Date: 09/03/07	
SVOC					Groundwater Table		e: as shown	Ref: Plot E Job No: 4432021	15
					Perched Water Table		Size: A4	BOREHOLE	

z	SAMPLE	SOIL VAPOUR (ppm)	E E		BOREHOLE NUMBER: TP728E		PAG	E 1 of 1	
BOREHOLE			I ⊢I		DRILLING DATES: 5th March 2007	DRILLING ME	THODS	· Trial Pitting	
L XX		Od	GROUNDWA DEPTH (m)	\ \	DRILLER: Joy Plant	BOREHOLE D			
ORE	NUMBER	\$	GROUNDW DEPTH (m)	GEOLOGY	LOGGED BY : LBu	SCREEN TYP			
N N N				jë	CHECKED BY : ARD	SCREEN SLC			
		<u> </u>						OMMENTS	
			0.0_	<u> </u>	DESCRIPTION				0.0
					MADE GROUND. Tarmac hardstal			Dry, NVO	
		*<0.1		-	MADE GROUND. Pale red brick ha	aracore.			-
	1.0m		0.5_	$\Rightarrow \Rightarrow$					0.5
	Leachate: (Surfactants,		-	<u> </u>	Firm brown slightly sandy CLAY wi	th occasional fine	<u> </u>	Dry, NVO	-
	TPH-CWG,]:= <u>=</u> :	subangular gravel.	in occasional line			-
	additional parameters*	*<0.1	1.0_	<u> </u>					1.0_
	*) Soil: (TPH	X		===					_
	(ali/aro split),			<u> </u>					-
	Ammonium, Nitrate,		.						
	additional parameters*		1.5_	:===:					1.5_
	*)		-						-
				===					
	0.0	*<0.1	2.0_	<u> </u>	Soft dark brown-black CLAY.			Moist	2.0_
	2.0m Soil:	1]:= <u>=</u> =:	Con dain brown black CLAT.				
	TOC/PSD								-
	2.5m	$ \sqrt{} $	2.5_						2.5_
	Leachate: (Surfactants,				Fine grained, pale grey-pink LIMES	STONE.			-
	Metals, Total Cyanide,		.		Trial nit terminated at 2.0 in hadron	le .			_
	Orthophosp		3.0_	1	Trial pit terminated at 2.8 in bedroo	K.			3.0_
	hate, Sulphate,		-	-					_
	TPH-CWG, SVOC)			1					-
	Soil: (VOC, SVOC)		3.5_	1					3.5_
	3,000)			4					-
				1					-
				4					
			4.0_	1					4.0
				1					-
				1					
			4.5_	1					4.5_
				1					
				1					
			5.0	1					5.0
				1					
NVO = No	LOCATION / No visual or olfactor	NOTES: ory evidenc	e		LEGEND	BOREHO		OG	
	contamination	,			I la distanta ad Osassala	lots D,E,F,G, A & C Site Inves	stigations		
	evel 89.277mAC backfilled with s				 Undisturbed Sample Location: ↓ Location: ↓ Client: Rho 				
**Addition	al parameters at	t 1.0m: Me	tals,		→ Down Borehole Analysis	App.	o'd:	Date: 09/03/07	
Total Cyai	nide, Orthophos C	phate, Sulp	onate,		Groundwater Table		wn : KL	Ref: Plot E	
					✓ Perched Water Table		ale: as showr		
					<u>-</u>	Drg	. Size: A4	BOREHOLE	= LOG

Z	SAMPLE	SOIL VAPOUR (ppm)	Œ			BOREHOLE NUMBER: WS729E		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		UR U	GROUNDWATER			DRILLING DATES: 6th March 2007	DRILLING M	ETHODS :	Window Sa	ampling
35		l PO	MQ	(E)	GΥ	DRILLER : Global	BOREHOLE			
SOR	NUMBER	_		EPTH (m)	3EOLOGY	LOGGED BY : LB	SCREEN TY	PE & DIAM	: 50mm (G	eosock
O O		SOIL	GRC	삠	GEC	CHECKED BY : ARD	SCREEN SL	OT SIZE: 1	mm	
						DESCRIPTION		C	OMMENTS	
	0.6m Leachate: (additional parameters*			0.0 - - -	***	MADE GROUND. Dark brown sandy of fine to coarse and angular.	gravel. Grave		Wet	- 0.0 - - - -
/// ///	Soil: (ammonium, Nitrate,	<u></u>		0.5	\bowtie					0.5_
//	additional parameters*	△ *<0.1		=	*****	Brown sandy SILT with subrounded gr	avel.			-
//X <i>V//</i> /	*)			1.0		Soft to firm dark brown CLAY.			Dry	1.0_
		*<0.1		-	::	Soft black organic CLAY.		/		-
	1.2m	X		4		Soft black mottled brown organic CLA	Υ.		Damp	-
	Leachate: (pH, TPH- CWG, SVOC)			1.5_ -		Soft brown gravelly CLAY with brown a mottles. Gravel is angular to sub angular coarse of limestone. Occassional lime	lar fine to	s.	Dry	1.5_
∭ ≣ ∭	Soil: (VOC, SVOC,			4	====	Soft orange-brown gravelly CLAY. Gra	avel is angula	r to		-
	PCB)	*<0.1		2.0	:===: :==:	subangular, fine to coarse of limestone limestone cobbles.			Dry	2.0_
		*<0.1			[-]-] [-]-	Firm light brown mottled beige, purple slightly sandy very gravelly CLAY. Gra		d		-
▓█▓	0.5			<u>, </u>	:===:	to subrounded fine to medium gravel of	of mixed			-
₩ ₽ ₩	2.5m Leachate:	\boxtimes		2.5	====	lithology including limestone, sandstor	ne and gritsto	ne.		2.5_
	(Surfactants, Orthophosp			-	<u></u> -	Poigo LIMESTONE with amall voids in	o brown alay	,		-
, , , , , , , , ,	hate, '			1		Beige LIMESTONE with small voids in matrix.	i a biowii cia	′ /		-
	Sulphate, pH, TPH- CWG)			3.0		Refusal at 2.79m in bedrock				3.0 _
	J. J			=						-
				3.5						3.5
				+						-
				1						-
				4.0						4.0_
				7.0 —						4.0 -
				_						-
				7						-
				4.5_						4.5_
				7						-
										-
				5.0						5.0_
	OCATION / N					<u>LEGEND</u>	BOREH	OLE LO)G	
	visual or olfactorication	ory evider	ice			Disturbed Sample Job Title: Plots D	,E,F,G, A & C Site Inv			
	vel 89.331 mA(מכ				Undisturbed Sample Location: Whiteh	aven			
Trial pit is	backfilled with s	spoil				★ Headspace Analysis Client: Rhodia				
	al parameters a nide, Orthophos			e,		Down Borehole Analysis		op'd:	Date: 06/03/07	
рН	,		•			Groundwater Table		rawn : LB	Ref: Plot E	045
						□ Perched Water Table	D	cale: as shown	Job No: 44320	215 .E LOG

z	SAMPLE	SOIL VAPOUR (ppm)	ER		BOREHOLE NUMBER: TP730E		PAGE	1 of 1	
BOREHOLE		J N	I —I		DRILLING DATES: 6th March 2007	DRILLING ME	THODS :	Trial Pitting	
XX		PO	(E)	ჯ	DRILLER : Joy Plant	BOREHOLE D			
ORI	NUMBER] \$	ROUNDW EPTH (m)	Č	LOGGED BY : LBu	SCREEN TYP			
		1108	<u>GROUNDWA'</u> DEPTH (m)	GEOLOGY	CHECKED BY : ARD	SCREEN SLO	T SIZE: r	n/a	
					DESCRIPT	ION	C	OMMENTS	
			0.0_	$\times\!\!\times\!\!$	MADE GROUND. Tarmac hard				0.0
		*<0.1			MADE GROUND. Angular cobb	bles and fine angular			
		*<0.1	0.5_	===	gravel.		_/		0.5_
		<0.1	-		Soft to firm dark brown slightly soccasional bands of soft black		_{to}		0.5 _
					medium subangular to subroun	nded gravel with	10		
			1.0_		occasional cobbles of yelllow-bi sandstone.	rown, fine grained		Dry, NVO	1.0_
			-		sanustone.			Diy, ivvo	-
				====					
	1.5m	*<0.1	1.5_						1.5_
	Leachate: (Surfactans,		-	:===:					
	Metals, Total			7	Pale grey-pink fine grained LIM	1ESTONE with			
	Cyanide, Orthophosp		2.0_		occasional dissolution voids.				2.0
	hate, Sulphate,		-		Trial pit terminated at 1.9m in b	pedrock			-
	pH, TPH- CWG,								
	SVOC) Soil: (TPH-		2.5_						2.5_
	CWG, VOC,			-					-
	SVOC, Ammonium,]
	Nitrate)		3.0_						3.0_
			-						-
			3.5_						3.5_
			4.0_						4.0
									1 3
									-
			4.5_						4.5 <u> </u>
									-
									-
			5.0_	1					5.0_
					·				
NVO = No	LOCATION / No visual or olfacto	OTES:	e		LEGEND	BOREHO		OG	
	contamination	,	-		Lindiaturhad Campla	Title: Plots D,E,F,G, A & C Site Inves	tigations		
	evel 89.457 mAO backfilled with sp					ation: Whitehaven			
I mai pit is	Jaoniniou With Sp				Down Borehole Analysis	Арр	'd:	Date: 09/03/07	
							wn : KL	Ref: Plot E	
					⊋ Perched Water Table		le: as shown Size: A4	Job No: 443202	
				l	L	1519	· *:/iff	1	

Z	SAMPLE	SOIL VAPOUR (ppm)	E.		BOREHOLE NUMBER: TP731E		PAGE 1 o	of 1	
BOREHOLE		, Ä	<u>ATE</u>		DRILLING DATES: 6th March 2007	DRILLING ME	 ГНОDS : Tria	al Pitting	
		4PO	GROUNDWA ⁻ DEPTH (m)	Ğ	DRILLER : Joy Plant	BOREHOLE D			
30R VST	NUMBER L	>	GROUNDW DEPTH (m)	GEOLOGY	LOGGED BY : KL	SCREEN TYPE	E & DIAM: n/a	a	
l "Ö		SOL	<u>GRK</u> DEF	GEC	CHECKED BY : ARD	SCREEN SLO	T SIZE: n/a		
		1	H^{-}	Ť	DESCRIPTION		COM	MENTS	
	0.6m Leachate: (Surfactants,	*<0.1	0.0 -		MADE GROUND. Brown slightly gra with frequent rootlets, fragments of re-bar and a large piece of metal (0. 30cm long).Gravel is fine-medium a	glass and cerami 5cm thick by	c, log	pit water gged ap, NVO	0.0 —
	Sulphate, pH, TPH- CWG, SVOC) Soil: (VOC, SVCO)	*<0.1	1.0 _		Firm brown-orange very silty slightly with flecks of black and yellow orgar is fine and subangular.			, NVO	1.0 —
		*<0.1	2.0_		Very soft black mottled brown organ	ic CLAY.	Dan	np, NVO	2.0
	2.5m		2.5_						2.5_
	Leachate: (Surfactants, Metals, Total Cyanide,				Grey crystalline LIMESTONE. Trial pit terminated at 2.6m in Limes	tono			-
	Orthophosp hate, Sulphate, pH, TPH- CWG,		3.0_	-	That pit terminated at 2.011 III Littles	LOTIE			3.0
	SVOC) Soil: (Metals, TPH-CWG, SVOC)		3.5_						3.5 - -
			4.0 _						4.0
			4.5_	-					- 4.5 — - -
			5.0_						5.0_
	LOCATION / No visual or olfacto		e		LEGEND Disturbed Sample Job Title: Plo	BOREHO			
of c	contamination	•			Undisturbed Sample Undisturbed Sample Location: Wh	s D,E,F,G, A & C Site Investi	gations		
	evel 91.866 mAO backfilled with sp				★ Headspace Analysis Client: Rhodia				
		•			Down Borehole Analysis	App'	d: Dat	e: 09/03/07	
					Groundwater Table		1	: Plot E	
					Perched Water Table		e: as shown Job Size: A4	No: 443202	
				<u> </u>			C.20. A4	JOI ILI IOLE	. 200

NUMBER NUMBER DESCRIPTION DESCRIPTION SCREEN YEAR DESCRIPTION YEAR DES	z	SAMPLE	(mdd)	EH.		BOREHOLE NUMBER: TP73	2E	PA	GE 1 of 1	
DESCRIPTION O.3m Leachate: (Surfactants, TPH-CWG) Soi: (TPH-CWG, VOC) Novince and the control of the period of t	빌		H H	 —		DRILLING DATES: 6th March 200	7 DRILLING M	IETHODS	S : Trial Pitting	
DESCRIPTION O.3m Leachate: (Surfactants, TPH-CWG) Soi: (TPH-CWG, VOC) D.5 MADE GROUND. Brown-grey soft gravelly clay with flecks of black shale. Firm brown-orange very slity slightly gravelly CLAY with flecks of black and yellow organic matter and pockets of fine yellow sand. Gravel is fine to medium and subangular. Soft brown mottled black very slity slightly gravelly CLAY with pockets of brown-orange firm slightly gravelly clay and pockets of black and yellow fine sand, Gravel is medium to coarse, angular gravel of limestone. Very soft black organic CLAY. Grey crystalline LIMESTONE. Terminated at 2m in bedrock 1.5. Dyy, NVO Dump Dyy, NVO Dump Leachate: Surfactants, Metals, Total Down-orange firm slightly gravelly clay and pockets of black and yellow fine sand, Gravel is medium to coarse, angular gravel of limestone. Very soft black organic CLAY. Grey crystalline LIMESTONE. Terminated at 2m in bedrock 1.5. LOCATION / NOTES: LOCATION / NOTES: NO = No visual or ollactory evidence. LOCATION / NOTES: LEGEND BOREHOLE LOG	꿈위		PO	(E)	3≺					
DESCRIPTION O.3m Leachate: (Surfactants, TPH-CWG) Soi: (TPH-CWG, VOC) Novince and the control of the period of t	ORI		」		CO	LOGGED BY : KL				
DESCRIPTION O.3 MADE GROUND. Grey-white concrete with thin rebar. MADE GROUND. Brown-grey soft gravelly clay with flecks of black shale. Firm brown-orange very silty slightly gravelly CLAY with flecks of black and yellow organic matter and pockets of time yellow sand. Gravel is fine to medium and subangular. Soft brown mottled black very silty slightly gravelly CLAY with pockets of brown-orange firm slightly gravelly CLAY with pockets of brown-orange firm slightly gravelly CLAY with pockets of brown-orange firm slightly gravelly CLAY with pockets of black and yellow fine sand. Gravel is medium to coarse, angular gravel of limestone. Very soft black organic CLAY. Grey crystalline LIMESTONE. Terminated at 2m in bedrock 4.5 LOCATION / NOTES: NO = No yesual or olfactory widence. D. OCATION / NOTES: LEGEND BOREHOLE LOG DOMBETS COMMENTS 0.0 Ambrow with thin rebar. Ocambers with the very soft pass of black and yellow organic matter and pockets of black and yellow for season organic matter and pockets of black and yellow for season organic matter and pockets of black and yellow for season organic matter and pockets of black and yellow for season organic matter and pockets of black and yellow for season organic matte	l ^m g	<u> </u>			3EC	CHECKED BY : ARD	SCREEN SL	OT SIZE	:: n/a	
MADE GROUND. Grey-white concrete with thin rebar. MADE GROUND. Brown-grey soft gravelly clay with flecks of black shale. Firm brown-orange very silty slightly gravelly CLAY with flecks of black and yellow organic matter and pockets of fine yellow sand. Gravel is fine to medium and subangular. Soft brown mottled black very silty slightly gravelly CLAY with pockets of black and yellow fine sand. Gravel is medium to coarse, angular gravel of limestone. Very soft black organic CLAY. Grey crystalline LIMESTONE. Terminated at 2m in bedrock 1.5. Terminated at 2m in bedrock 1.5. LOCATION / NOTES: NO = No years of rollagony evidence. MADE GROUND. Brown-grey soft gravelly clay with flecks of black and yellow organic matter and pockets of black and yellow fine of limestone. Very soft black organic CLAY. Grey crystalline LIMESTONE. Terminated at 2m in bedrock 4.5. LOCATION / NOTES: NO = No years of rollagony evidence. LEGEND BOREHOLE LOG BOREHOLE LOG		<u>'</u>	- "	 	+	DESCRIE	DTION		COMMENTS	
MADE GROUND. Brown-grey soft gravelly clay with flecks of black shale. Firm brown-orange very silty slightly gravelly CLAY with flecks of black and yellow organic matter and pockets of fine yellow sand. Gravel is fine to medium and subangular. Soft brown mottled black very silty slightly gravelly CLAY with pockets of brown-orange firm slightly gravelly clay and pockets of black and yellow fine sand. Gravel is medium to coarse, angular gravel of limestone. Very soft black organic CLAY. Grey crystalline LIMESTONE. Terminated at 2m in bedrock 1.0 anp 1.8m Leachate: (Surfactants, Metals, Total Cyanide, Orthophosp hate, Sulphate, pH, TPH-OS) Soft brown-orange firm slightly gravelly CLAY with pockets of black and yellow fine sand. Gravel is medium to coarse, angular gravel of limestone. Very soft black organic CLAY. Grey crystalline LIMESTONE. Terminated at 2m in bedrock 1.5 and 1.8m Leachate: (Surfactants, Metals, Total Cyanide, Orthophosp hate, Sulphate, pH, TPH-OS) Soft (VoC, SvOC) Soft				0.0_	***	MADE GROUND. Grey-white			0-0.2m brick wall running along	0.0 - -
Soli: (TPH CWG, VOC) 1.8m		Leachate: (Surfactants,	4	0.5_			y soft gravelly clay wit	h	•	0.5_
Soft brown mottled black very sithy slightly gravelly CLAY with pockets of brown-orange firm slightly gravelly clarant pockets of black and yellow fine sand. Gravel is medium to coarse, angular gravel of limestone. Very soft black organic CLAY. Grey crystalline LIMESTONE. Terminated at 2m in bedrock Terminated at 2m in bedrock 2.5 Soft brown mottled black very sithy slightly gravelly CLAY with pockets of brown-orange firm slightly gravelly clarant pockets of black and yellow fine sand. Gravel is medium to coarse, angular gravel of limestone. Very soft black organic CLAY. Grey crystalline LIMESTONE. Terminated at 2m in bedrock 2.5 Soft brown mottled black very sithy slightly gravelly clarant slightly		Soil: (TPH-		10		with flecks of black and yellow pockets of fine yellow sand. (w organic matter and		Dry, NVO	- - - 1.0_
1.8m Leachate: (Surfactants, Metals, Total Cyanide, Orthophosp hate, Ph. TPH-CWG, SVOC) Soil: (VOC, SVOC, Ammonium, Nitrate) 3.0 3.5 4.0 Location / Notes: Legend Borehole Log Borehole Log Borehole Log Borehole Log				1.0=		Soft brown mottled black very CLAY with pockets of browngravelly clay and pockets of b	orange firm slightly black and yellow fine			-
Leachate: Surfaciants, Metals, Total Cyanide, Orthophosp hate, Sulphate, pH. TPH-CWG, SVOC) Soil: (VOC, SVOC, Ammonium, Nitrate) 3.0				1.5_]:===: :===:		parse, angular gravel o	of	Dry, NVO	1.5_
Surfactants, Metals, Total Cyanide, Orthophosp hate, Sulphate, PH, TPH-CWG, SVOC, Soli: (VOC, SVOC, Ammonium, Nitrate) 3.0 4.0 4.5 LOCATION / NOTES: LEGEND BOREHOLE LOG		Leachate:					<u>'</u> .		Damp	_
Orthophosp hate, Sulphate, pH, TPH CWG, SVOC) Soil: (VOC, SVOC, Ammonium, Nitrate) 3.5— 3.5— 4.0— 4.5— 4.5— 4.5— 4.5— 4.5— 4.5— 4.5— 4.5		Metals, Total	*<0.1							-
Sulphate, pH, TPH- CWG, SVOC) 2.5				2.0_						2.0_
CWG, SVOC) 2.5 2.5		Sulphate,			-	Terminated at 2m in bedrock				-
Soli: (VOC, SVOC, Ammonium, Nitrate) 3.0 3.5 4.0 4.5 5.0 LOCATION / NOTES: NVO = No visual or olfactory evidence										
SVOC, Ammonium, Nitrate) 3.0 _				2.5_						2.5_
Nitrate) 3.0 3.0 3.5 3.5 4.0 4.5 4.5 5.0 5.0 LEGEND NVO = No visual or olfactory evidence NVO = No visual or olfactory evidence		SVOC,								_
3.5_ 4.0_ 4.5_ 4.5_ 4.5_ 5.0_ 5.0_ 5.0_ 5.0_ 5.0_ 5.0_ 6.										3.0_
4.0_ 4.5_ 4.5_ 5.0_ LOCATION / NOTES: NVO = No visual or olfactory evidence NVO = No visual or olfactory evidence NVO = No visual or olfactory evidence				3.0-						-
4.0_ 4.5_ 4.5_ 5.0_ LOCATION / NOTES: NVO = No visual or olfactory evidence NVO = No visual or olfactory evidence NVO = No visual or olfactory evidence										_
4.0— 4.5— 4.5— 4.5— 5.0— LOCATION / NOTES: NVO = No visual or olfactory evidence NVO = No visual or olfactory evidence NVO = No visual or olfactory evidence				3.5						3.5_
4.5— 4.5— 5.0— LOCATION / NOTES: NVO = No visual or olfactory evidence LEGEND BOREHOLE LOG										-
4.5— 4.5— 5.0— LOCATION / NOTES: NVO = No visual or olfactory evidence LEGEND BOREHOLE LOG										
4.5— 4.5— 5.0— LOCATION / NOTES: NVO = No visual or olfactory evidence LEGEND BOREHOLE LOG				4.0_						4.0_
LOCATION / NOTES: NVO = No visual or olfactory evidence LEGEND BOREHOLE LOG M. Districted Country										_
LOCATION / NOTES: NVO = No visual or olfactory evidence LEGEND BOREHOLE LOG M. Districted Country										_
LOCATION / NOTES: NVO = No visual or olfactory evidence NA Districted Country BOREHOLE LOG				4.5_						4.5_
LOCATION / NOTES: NVO = No visual or olfactory evidence NA Districted Country BOREHOLE LOG					1					-
LOCATION / NOTES: NVO = No visual or olfactory evidence NA Districted 0 and 15										-
NVO = No visual or olfactory evidence				5.0_						5.0_
NVO = No visual or olfactory evidence										_
	NVO = No	o visual or olfacto	<u>IOTES:</u> ory evidenc	e		NA Districts of Coursels			LOG	
Undisturbed Sample			. 5			Indisturbed Comple		restigations		
Ground Level 91.896 mAOD Trial pit is backfilled with spoil Headspace Analysis Client: Rhodia										
Down Borehole Analysis App'd: Date: 09/03/07								.pp'd:		
Groundwater Table Groundwater Table Drawn : KL Ref: Plot E Scale: as shown July No: //4320215						Groundwater Table	URS			15
Perched Water Table Scale: as shown Job No: 44320215 Drg. Size: A4 BOREHOLE LOG										

z	SAMPLE		SOIL VAPOUR (ppm)	æ			BOREHOLE NUMBER: TP733E		PAGE	= 1 of 1	
BOREHOLE		П	UR (ATE		•	DRILLING DATES: 6th March 2007	DRILLING MET	HODS :	Trial Pitting	
			γPO	GROUNDWA-	$\widehat{\mathbb{E}}$	}	DRILLER : Joy Plant	BOREHOLE DI			
SOR VST	NUMBER	ш	/	N	DEPTH (m)	GEOLOGY	LOGGED BY : KL	SCREEN TYPE	& DIAN	/ : n/a	
		T	SOI	GRC	H	GEC	CHECKED BY : ARD	SCREEN SLOT	SIZE: r	n/a	
				†			DESCRIPTION		С	OMMENTS	
	0.5m Leachate: (Metals, Total Cyanide, Orthophosp		*<0.1		0.0 —		MADE GROUND. Brown slightly grave with fragments of ceramic and glass, cobbles and frequent rootlets. Gravel coarse and angular. Frim light brown-orange mottled black	frequent brick is medium-		Dry, NVO	0.0 —
	hate, Sulphate, pH, TPH- CWG, SVOC) Soil: (TPH (ali/aro spli), VOC, SVOC)				1.0		slightly gravelly CLAY. Gravel is fine to angular.	o medium and		Dry, NVO	1.0 —
	1.9m Leachate: (Surfactants)		*<0.1		2.0 _ - - -	:===: : <u>==</u> =:	Soft black mottled brown slightly grave CLAY. Gravel is fine to medium and a Terminated at 2m, reached natural graves.	ingular.		Damp, NVO	2.0
					2.5						2.5
					3.0_						3.0
					3.5						3.5 - - -
					4.0						4.0 —
					4.5 — - -						4.5 - -
					5.0 -						5.0
NVO = No	LOCATION / visual or olface			се			LEGEND Disturbed Sample Job Title: Plots	BOREHO		OG	
	contamination	۸ ۵ ۲	,				Undisturbed Sample Location: Whitel	D,E,F,G, A & C Site Investignaven	yauUIIS		
	evel 91.497 m/ backfilled with						★ Headspace Analysis Client: Rhodia				
							Down Borehole Analysis	App'd	d:	Date: 09/03/07	
							Groundwater Table		n : KL	Ref: Plot E	45
							Perched Water Table	Ocare	e: as shown Size: A4	Job No: 443202	
								18.	, , ,		

Z	SAMPLE	SOIL VAPOUR (ppm)	<u> </u>			BOREHOLE NUMBER: WS734E		P/	AGE 1 of 1	
35] Ä	ATE			DRILLING DATES: 6th March 2007	DRILLING	METHO	OS : Window Sa	mpling
EE BU		l PO	MQ	(E)	₹	DRILLER: Global Probing & Sampling	BOREHOI	LE DIAME	TER : 200mm	
STI	NUMBER L] >		EPTH (m)	2	LOGGED BY : PM	SCREEN	TYPE & D	IAM: 50mm (Ge	osock)
BOREHOLE CONSTRUCTION		SOII	GROUNDWATER	DEF	GEOLOGY	CHECKED BY : ARD	SCREEN	SLOT SIZ	E: 1mm	
	0.4==			0.0_		DESCRIPTION			COMMENTS	0.0
	0.4m Leachate:			- 0.0	\otimes	MADE GROUND. Concrete with th	n re-bar at ba	ise.		0.0
	(Orthophosp hate, additional parameters* *) Soil:	*<0.1		0.5_		MADE GROUND. Brown slightly sa fine to medium, subangular to subr limestone hardcore and clinker. Po chemical staining.	ounded grave	l of		0.5_
	(Ammonium, Nitrate, additional parameters*	*<0.1		1.0_		Stiff orange-brown gravelly CLAY. of medium subrounded to rounded sa coarse gritstone.			Dry, NVO	- - 1.0—
	0.8m	*<0.1		- - 1.5_	 *******	Soft dark brown mottled black sligh			-	- - - 1.5_
	Leachate: (TPH-CWG, SVOC) Soil: (TPH- CWG, VOC,	*<0.1		- - 2.0_		Gravel is fine subrounded vitrinite a).	Damp, NVO	2.0
	0.9m			- - -		White coarse subangular GRAVEL grained limestone.	or very line			- - -
	Leachate: (Surfactants, Orthophosp hate, Sulphate, pH)			2.5 —					Cobbles of bedrock in clay matrix rather than bedrock - perhaps	2.5 —
	3.4m	*<0.1		-		Very soft borwn slightly sandy very Gravel is fine subangular to subrou	nded limestor	re.	weathered	
	Leachate: (Surfactants, Metals, Total Cyanide, Orthophosp			3.5_		Refusal at 3.4m - possibly on bedro	ock.			3.5 <u> </u>
	hate, Sulphate, pH, TPH- CWG) Soil: (Total			4.0_						4.0
	Cyanide, Orthophosp hate, TOC/PSD)			4.5 -						- 4.5 — - -
				5.0_						5.0_
	OCATION / N visual or olfacto		ice			LEGEND \(\) Disturbed Sample	BORE			
of c	contamination	•				Lindisturbed Comple	ots D,E,F,G, A & C Site	Investigations	5	
	vel 90.822 mAO backfilled with sp					★ Headspace Analysis Client: Rhoo				
**Additiona	al parameters at	0.4m: M	etals	ί,		Down Borehole Analysis		App'd:	Date: 09/03/07	\dashv
ı otal Cyar	nide, Sulphate, p)H					RS	Drawn : KL	Ref: Plot E	
						□ Perched Water Table	17 3	Scale: as sh		
						=		Drg. Size: A	44 BOREHOLE	LOG

Z	SAMPLE		SOIL VAPOUR (ppm)	æ			BOREHOLE NUMBER: TP735E	P/	4GE 1 of 1	
BOREHOLE		П	JR (ATER			DRILLING DATES: 6th March 2007 DRILL	NG METHOR	S : Trial Pitting	
유유			<u>P</u>	GROUNDWA	Œ	зУ		HOLE DIAME		
ORE	NUMBER		∀	S	Ŧ	ΓΟ	-	EN TYPE & D		
l aŭ		Ĭ.	J S	3RO	DЕРТН (m)	GEOLOGY		EN SLOT SIZ		
\vdash			0)	10		0			COMMENTS	
	0.4m Leachate:				0.0	XXX	DESCRIPTION MADE GROUND, Concrete.		COMMENTS	0.0
	(Surfactants,				_	\bowtie	WADE GROOND. Gondrete.		NVO	
	Orthophosp hate,				-	XX	MADE GROUND. Grey gravelly sand.			
	Sulphate, pH, TPH- CWG) Soil:				0.5_	$\overset{\sim}{\sim}$	MAGE GROUND. Soft red-orange clayey silt of gravel and flecks of black organic matter.	with fine	NVO	0.5_
	(Metals)	М			-	\bowtie	MADE GROUND. Black-grey sandy gravel of		Slight petrol odour	_
					1.0_	$\overset{\circ}{\boxtimes}$	concrete, ash, slag and coal.	_	Silgrit petrol odour	1.0_
	0.7m				_	:==== :====	Soft red-brown silty CLAY with flecks of black	organic		-
	Leachate:				_	:-== :===:	matter.			
	(Surfactants, additional				1.5_				Strong petrol	1.5_
	parameters* *)				-				odour, damp	-
	Soil: (TPH (ali/aro split),				_	:=== :====				
	SVOC,				2.0_	====				2.0_
	additional parameters*				-	:===:				-
	*)				_					_
					2.5_	:: ::				2.5_
					2.5 _	:===: :===:				2.5 —
	3.0m				-	:-:-: 	LWESTONE		_	-
	Leachate:						LIMESTONE.			
	(Surfactants, TPH-CWG,				3.0_		Terminated at 3.0m - bedrock		1	3.0_
	Total Cyanide,				-					-
	Orthophosp hate,				_					
	Sulphate)				3.5_					3.5_
	Soil: (VOC, Ammonium,				_					_
	Nitrate, Total Cyanide,				_					
	Orthophosp				4.0_					4.0
	hate, Sulphate)				_					
					-					-
					4.5					4.5
					_					
					-					-
					5.0					5.0
					-					_
NVO - NO	LOCATION / visual or olfac	NOT	ES:	20				REHOLE	LOG	
	contamination	ololy C	, , iaciil				Disturbed Sample Job Title: Plots D,E,F,G, A & C	Site Investigations	i	
	evel 90.913 mA						Undisturbed Sample Location: Whitehaven Client: Physics			
**Addition	backfilled with al parameters	at 0.7		tals,	,		★ Headspace AnalysisClient: RhodiaDown Borehole Analysis	App'd:	Date: 09/03/07	
Total Cyar	nide, Orthopho	sphat	e, pH				Groundwater Table		Ref: Plot E	
							☐ Perched Water Table			
							-	Drg. Size: A	4 BOREHOLE	LOG

	SAMPLE	(mc				DODELIOLE NUMBER, TR	7205		PAG	E 1 of 1	
Ш ON		SOIL VAPOUR (ppm)	EB			BOREHOLE NUMBER: TP					
BOREHOLE CONSTRUCTION			WA	<u></u>	>	DRILLING DATES: 5th March 2	2007			: Trial Pitting	
REI TRI	NUMBER	/AP	GROUNDWA.	DЕРТН (m)	3EOLOGY	DRILLER: Joy Plant		BOREHOLE [
BO		1 =	õ	Ë	SO L	LOGGED BY : KL		SCREEN TYP			
\circ		SC	Ω.		GE	CHECKED BY : ARD		SCREEN SLC)T SIZE:	n/a	
				0.0_		DESC	RIPTION		(COMMENTS	0.0_
	0.35m			-	$\Rightarrow \Rightarrow$	MADE GROUND. Concret	te with thin re	e-bar.			_
	Leachate: (Surfactants,	*<0.1		_	\bowtie	MADE GROUND. Red-bromedium to coarse angular				Dry, NVO	-
	additional parameters*			0.5_	\bowtie	Occasional cobbles of red			s	Concrete at second level - had	0.5_
	Šoil: (VOC,			-	\bowtie	\\concrete.	,		//	to be broken out.	-
	Ammonium,			-	\bowtie	MADE GROUND. White/g	rey concrete			Large cobbles of	
	Nitrate, additional				$\times\!\!\times$	MADE GROUND. Brown				mestone bedrock approximately	-
	parameters*	*<0.1	<u>-</u>	1.0_	XXX	medium to coarse angular brick, concrete with thin re			of	0.7m in length.	1.0_
	'			-		gravel.	bar, and min	o inflosione		Wet, NVO	-
				-		Beige, fine LIMESTONE			_/		_
	1.0m Leachate:			1.5_					/		1.5_
	(TPH-CWG)			_		Terminated at 1m on Lime	estone				_
				-							_
				2.0_							2.0_
				-							-
				-							-
				2.5_							2.5_
				-							-
				_							_
				3.0_							3.0_
				-							-
				-							_
				_							
				3.5_							3.5_
				_							-
				-							-
				4.0_							4.0_
				_							
				-							-
				4.5_							4.5_
				-							-
				_							-
				5.0 _—							5.0_
				-							-
	LOCATION / N				I	<u>LEGEND</u>		BOREHO)LE I	OG	
NVO = Nc	visual or olfacto		се			Disturbed Sample	Job Title: Plots D,	E,F,G, A & C Site Inves			
_	evel 90.483 mAC)D				Undisturbed Sample	Location: Whiteha				
Trial pit is	backfilled with sp	poil				★ Headspace Analysis	Client: Rhodia				
Total Cya	al parameters at nide, Orthophosp					Down Borehole Analysis			o'd:	Date: 09/03/07	
pH, TPH-0	CWG, SVOC					Groundwater Table	UF	Dra	awn : KL ale: as show	Ref: Plot E n Job No: 4432021	15
						Perched Water Table			g. Size: A4	BOREHOLE	
								1 -		1	

Z	SAMPLE	SOIL VAPOUR (ppm)	æ		BOREHOLE NUMBER: TP737E		PAGE	1 of 1	
BOREHOLE		J. N.	<u>ATE</u>		DRILLING DATES: 5th March 2007	DRILLING ME	THODS :	Trial Pitting	
EH SU		APO	<u>GROUNDWA</u> DEPTH (m)	Ğ	DRILLER : Joy Plant	BOREHOLE D			
30R VST	NUMBER U	>	<u>GROUNDW</u> DEPTH (m)	GEOLOGY	LOGGED BY : PM	SCREEN TYP	E & DIAN	¶: n/a	
	 <u>}</u>	SOI		GEC	CHECKED BY : ARD	SCREEN SLO	T SIZE: r	n/a	
					DESCRIPTION	 J	C	OMMENTS	
			0.0_	\times	MADE GROUND. Grey concrete w				0.0
	0.2m Leachate:			\bowtie	base.			Dry, NVO	
	(Sulphate, TPH-CWG, SVOC) Soil: (TPH-	*<0.1	0.5_		MADE GROUND. Grey ashy sand rounded to subrounded gravel of c limestone hardcore with occasion fragments at the surface.	oncrete and		Damp, NVO	- 0.5
	CWG, VOC, SVOC)	*<0.1	1.0_		Very soft dark brown slightly sandy Sand is medium, gravel is fine, sub-				1.0_
					\subrounded gravel of sandstone. Dark brown very gravelly CLAY. G	ravel is fine to	_/		-
			1.5_		coarse subangular to subrounded occasional cobbles of sandstone.				- 1.5_
	1.8m	*<0.1		-=	Weathered beige fine grained SAN	IDSTONE with			
	Leachate: (Surfactants,		2.0_	1	quartz veins. Cobbles recovered w slightly sandy clay matrix.	ith dark brown	Λ		2.0_
	Metals, Total Cyanide,]	Siightiy Sandy Glay Matrix.		_/		
	Orthophosp hate,		-	-	Terminated at 1.8m, reached natu	ral ground			_
	Sulphate, pH)		2.5_	1					2.5
	Soil: (Orthophsph			1					-
	ate, Sulphate,		-	1					3.0_
	pH, TPH- CWG, VOC, SVOC,		3.0_	1					3.0 _
	Ammonium, Nitrate)		-						
	(Nitrate)		3.5_	1					3.5_
				1					
			4.0_	}					4.0_
			-	1					
			4.5_	1					4.5 —
				1					
			5.0_	1					5.0 <u> </u>
			-	1					
	LOCATION / NO				LEGEND	BOREHO	LE LO	OG	
	visual or olfactor contamination	y evidenc	C		I Indiaturhad Campla	Plots D,E,F,G, A & C Site Inves	tigations		
	evel 90.968 mAOI backfilled with sp				Undisturbed Sample Location: \ ★ Headspace Analysis Client: Rhc				
That pit is	Sacranica With Sp				Down Borehole Analysis	App	'd:	Date: 09/03/07	
						RS Dra	wn : KL	Ref: Plot E	
					Perched Water Table	300	le: as shown	Job No: 4432021 BOREHOLE	
						Drg	. Size: A4	BONEHOLE	. 200

z	SAMPLE		SOIL VAPOUR (ppm)	EB			BOREHOLE NUMBER: TP 738E	PAG	6E 1 of 1	
BOREHOLE		П	JR (Æ	1		DRILLING DATES: 5th March 2007 DRILLING MET	HODS	· Trial Pitting	
			PO	GROUNDWA	Œ	ЗΥ	DRILLER: Joy Plant BOREHOLE DI			
ORI	NUMBER	Ш	\$		DEPTH (m)	GEOLOGY	LOGGED BY : KL SCREEN TYPE			
l aç		ΥP	100	3,80	Œ	зЕС	CHECKED BY : ARD SCREEN SLOT	SIZE:	n/a	
\vdash		Н		+			DESCRIPTION		COMMENTS	
					0.0_	XXX	MADE GROUND. Grey concrete with thin re-bar.		O O I VIII VI E I VI O	0.0_
	0.3m Leachate:	X	*<0.1		- -	\bowtie	MADE GROUND. Grey coarse subangular to angualn gravel with frequent cobbles of concrete and brick.	.	0.2-0.4m along the east side of the trial pit was a	-
	(Surfactants,		*<0.1		0.5_	$\otimes\!\!\!\otimes$	MADE GROUND. Soft black-brown very gravelly clay		wooden beam	0.5_
	Metals, Total Cyanide,				-	\bigotimes	with occasional bands of orange sandy clay. Gravel is	3		_
	additional parameters*				-	====	medium to coarse and angular of brick, concrete with occasional slate and limestone.			-
	*) Soil: (VOC,				1.0_	:=-=:	Soft black-brown very gravelly CLAY with pockets of	-/		1.0
	additional parameters*				- -		soft orange sandy clay. Gravel is medium to coarse with frequent cobbles of limestone.		Damp, NVO	_
	(*)				- - 1.5_		Light grey crystalline fine grained LIMESTONE with			1.5_
			*1.0		-		occasional purple veining			-
	1.8m Leachate:	X			- -		Terminated at 1.8m on bedrock			- -
	(Total Cyanide, Orthophosp				2.0_					2.0 _
	hate, VOC,				-					_
	Soil: (Orthophosp				2.5_					2.5_
	hate, SVOC, Ammonium,				-					-
	Nitrate)				-					-
					3.0_					3.0
					- -					-
					3.5_					3.5_
					-					_
					-					-
					4.0_					4.0_
					-					
					-					_
					4.5_					4.5
					-					-
					5.0_					5.0_
					-					-
	LOCATION /			<u>'</u>			LEGEND BOREHO	LE L	LOG_	·
	visual or olfac contamination	lory	evideno	æ			Disturbed Sample Job Title: Plots D,E,F,G, A & C Site Investig	gations		
	evel 91.708 mA						Undisturbed Sample Location: Whitehaven			
**Addition	backfilled with al parameters a	at 0.	.3m:				 ★ Headspace Analysis Client: Rhodia App'o 	l:	Date: 09/03/07	
Orthophos CWG	sphate, Sulphat	te, p	H, TPH	-			Groundwater Table Groundwater Table		Ref: Plot E	
							✓ Perched Water Table	: as show	vn Job No: 4432021	
							— Drg. S	Size: A4	BOREHOLE	LOG

_	SAMPLE	(ma				BOREHOLE NUMBER: TP739E		PAGE	1 of 1	
BOREHOLE		TYPE SOIL VAPOUR (ppm)	-						T : 1 D::::	
토글		J		GROUNDWA DEPTH (m)	>	DRILLING DATES: 6th March 2007 DRILLER: Joy Plant			Trial Pitting	
) STR	NUMBER	₹		ROUNDW EPTH (m)	GEOLOGY	LOGGED BY : PM	BOREHOLE SCREEN TY			
l Sec		~ [
ŏ		i s		<u> </u>	ত	CHECKED BY : ARD	SCREEN SL			
	0.4m			0.0_	~~~	DESCRIPTION		C	OMMENTS	0.0
	Leachate: (Orthophosp hate, pH, additional	*<0.		- - - -		MADE GROUND. Grey clayey fir subangular to subrounded grave including limestone, hardcore, cli	I of mixed lithology		Wet, NVO	- - -
	parameters* (*) Soil: (VOC, Ammonium.	×<0.	1	0.5_	<u> </u>	MADE GROUND. Very soft light Gravel is fine to medium, subang limestone and sandstone. Rare f	gular to subrounded	d		0.5
	Nitrate, additional parameters*	*<0.	1	1.0_		Very soft black and brown-orang CLAY. Gravel is fine to medium, limestone and sandstone. Freque organic fibres.	subrounded of			1.0 —
				-	<u></u>	Light brown weathered SANDST	ONE bedrock.			
	0.8m Leachate:			1.5_		Terminated at 1.35m on SANDS	TONE bedrock.			1.5_
	(Surfactants,			-]
	Orthophosp hate,			-						
	Sulphate, pH, TPH-			2.0_						2.0_
	CWG) Soil: (VOC)			-]					
	3011. (400)			-						-
				2.5_						2.5_
				-						
				-						-
				3.0_						3.0
				-						-
				-						
				3.5_						3.5_
				3.5 _						3.5 —
				-						-
				-						
				4.0_						4.0
				-						-
				-						
				4.5_	-					4.5_
				_]]
				-						-
				5.0_						5.0
										-
	LOCATION / I					LEGEND M. Birthada	BOREH		OG	
	contamination	, 5110				I Indiaturbad Cample	e: Plots D,E,F,G, A & C Site Inve	estigations		
	evel 91.422 mA	-				_	n: Whitehaven			
**Addition	backfilled with all parameters a	at 0.4m:		ls,		★ Headspace AnalysisClient: pDown Borehole Analysis		op'd:	Date: 09/03/07	
Total Cya	nide, TPH-CWC	i, SVOC	;					awn : KL	Ref: Plot E	
						✓ Perched Water Table		cale: as shown		
						-	Dr	g. Size: A4	BOREHOLE	LOG

Z	SAMPLE		SOIL VAPOUR (ppm)	æ			BOREHOLE NUMBER: WS740E		PA	GE 1 of 1	
BOREHOLE CONSTRUCTION			UR (GROUNDWATER			DRILLING DATES: 6th March 2007	DRILLING	METHOD	S : Window Sa	ımpling
EHC			PΟ	M	(E)	GΥ	DRILLER : Global Probing & Sampling			TER : 200mm	
SOR	NUMBER L	ш	/		EPTH (m)	GEOLOGY	LOGGED BY : PM	SCREEN T	YPE & DI	AM: 50mm (Ge	eosock
COP		ТҮР	SOII	GRO	DEF	GEC	CHECKED BY : ARD	SCREEN S	SLOT SIZE	<u>:</u> 1mm	
				+	0.0		DESCRIPTION			COMMENTS	
	0.6m Leachate: (Surfactants, Metals, Orthophosp hate, Sulphate, pH) 1.1m Leachate: (TPH-CWG) Soil: (TPH-CWG, VOC, SVOC) 2.5m Leachate: (SVOC) 2.6m Leachate: (Surfactants, TPH-CWG, additional parameters*		*<0.1 *<0.1 *<0.1 *<0.1 *<0.1	À-	0.0		DESCRIPTION MADE GROUND.Very soft dark brow slightly gravelly clay. Gravel is fine su subrounded limestone and sandstone medium. Frequent fine rootlets and compared with the medium-coarse subangular gravelly CLAY. Gravel is fine subang subrounded sandstone black vitrinite gritstone. Clay becomes stiff from 1m. Soft dark brown and black slightly sa gravelly CLAY. Gravel is fine subang subrounded sandstone and vitrinite. Very soft black mottled orange-brown frequent traces of organic roots at 2.0. Refusal at 2.7m, on white LIMESTON clay matrix.	bangular to e. Sand is rganic fibres avel of concr tly sandy slig ular to and some b ndy slightly ular to n SILT with 6m.	rete. ghtly eige	Damp, NVO Dry, NVO Wet, NVO	0.0
	Soil: (Ammonium, Nitrate, additional parameters* *)				3.5						3.5
NVO = No of co Ground Le Trial pit is **Additiona	LOCATION / N visual or olfaction contamination evel 91.530 mA0 backfilled with s al parameters a hide, Orthophos	OD spo tt 2.	evidend il .6m: Met	tals			Undisturbed Sample Location: White Headspace Analysis Down Borehole Analysis Location: White Client: Rhodia	BOREI D,E,F,G, A & C Site I shaven		Date: 09/03/07 Ref: Plot E DWN Job No: 443202	

z	SAMPLE		SOIL VAPOUR (ppm)	ER			BOREHOLE NUMBER: TP741E		PAG	GE 1 of 1	
BOREHOLE		П	UR (II			DRILLING DATES: 6th March 2007	DRILLING ME	THODS	S : Trial Pitting	
유			PO	<u>GROUNDWA</u>	Œ	>5	DRILLER: Joy Plant	BOREHOLE D			
ORI	NUMBER	Ш	>	N	DEРТН (m)	GEOLOGY	LOGGED BY : KL	SCREEN TYP			
l a S		M	JO J	3,130	EP	ЭË	CHECKED BY : ARD	SCREEN SLO			
\vdash		H	- 0)	+				0011=110=0		COMMENTS	
					0.0_	XXX	DESCRIPTION MADE GROUND. Concrete with thin	ro-bar			0.0
			*<0.1		_		MADE GROUND. Brown sandy medi			Dry, NVO Layer of plastic	-
	0.3m Leachate:	X			-	$\times\!\!\!\times$	gravel of concrete and hardcore.	un to coarse		sheet at 0.2m	-
	(Surfactants,				0.5_	\otimes	MADE GROUND. Dark brown-brown	very sandy	_	Damp, NVO	0.5
	additional parameters*		*<0.1		-	$\otimes\!\!\!\!\otimes$	medium to coarse angular gravel with	n cobbles of			-
	*) Soil: (VOC,				_		concrete and brick and occasional pi		_/		_
	PCB,				- 1.0_		Soft orange-brown mottled black very gravelly CLAY with pockets of light be		n		1.0_
	Ammonium, Nitrate,				-	===	clay with flecks of black and yellow or	ganic matter.	"		-
	additional parameters*				-		Gravel is medium to coarse with large	e cobbles of			-
	*)						limestone.				
					1.5_						1.5_
					-						-
					_						-
					2.0_						2.0
	2.2m		*<0.1		_		L'ablace bank a dell'es LIMEGEON	<u></u>			-
	Leachate: (Surfactants.	М			-		Light grey hard crystalline LIMESTON	NE.			_
	Orthophosp				2.5_		Terminated at 2.2m in bedrock		-		2.5_
	hate, Sulphate,				-		Tommatod at 2.2m in bodrook				-
	pH, TPH- CWG,				_						-
	SVOC) Soil: (VOC,				3.0 _—						3.0_
	SVOC)				-						-
					_						-
					3.5_						3.5_
					-						-
					-						-
					_						-
					4.0_						4.0
					_						-
					_	•					
					4.5_						4.5
					-						
					-						-
					5.0_						5.0
					-						_
	LOCATION / visual or olface			20			LEGEND	BOREHO	LEI	LOG	
	contamination	ioi y	- EVIUEII(J C				D,E,F,G, A & C Site Invest	tigations		
	evel 91.893 m						Undisturbed Sample Location: White	ehaven			
**Addition	backfilled with al parameters	at 0	.3m: Me				★ Headspace Analysis	Арр	'd:	Date: 09/03/07	
Total Cyai	nide, Orthopho CWG, SVOC								wn : KL	Ref: Plot E	
P(1), 11 11-0	J. T. G., G. V. G.						☐ Groundwater Table ☐ Perched Water Table	Sca	le: as sho		15
							Storied Water Fabro	Drg.	Size: A4	BOREHOLE	LOG

BOREHOLE NUMBER: TP742E PAGE 1 of 1 DRILLING DATES: 6th March 2007 DRILLING METHODS: Trial Pittir DRILLER: Joy Plant LOGGED BY: KL SCREEN TYPE & DIAM: n/a CHECKED BY: ARD DESCRIPTION MADE GROUND. Tarmac with grey angular gravel. DATE: 1 of 1 PAGE 1 of 1 DRILLING METHODS: Trial Pittir DRILLING METHODS: Tr	
DESCRIPTION COMMENTS MADE GROUND. Tarmac with grey angular gravel. Dry, NVO	
DESCRIPTION COMMENTS MADE GROUND. Tarmac with grey angular gravel. Dry, NVO	0.0_
DESCRIPTION COMMENTS MADE GROUND. Tarmac with grey angular gravel. Dry, NVO	0.0_
DESCRIPTION COMMENTS MADE GROUND. Tarmac with grey angular gravel. Dry, NVO	0.0
MADE GROUND. Tarmac with grey angular gravel. Dry, NVO	0.0
	7
MADE GROUND. Orange-red gravelly sand. Gravel is	1 +
0.3m	
(Surfactants, TPH-CWG, O.5 AAADE CROUND Prown gravelly coarse and Crovel	0.5_
SVOC]
CWG, VOC, Soft brown mottled black slightly gravelly CLAY with	
	1.0 —
and yellow organic matter. Gravel is medium and angular]
Towards 2.0m - becoming more gravelly. Gravel is	
limestone, with rare large cobbles of limestone.	1.5_
]
2.0m Leachate: White-grey crystalline LIMESTONE.	2.0
(Surfactants,]
TPH-CWG, additional Terminated at 2m in bedrock	
parameters* 2.5	2.5
Soil:	
Nitrate, additional	
parameters* 3.0—	3.0
	3.5
	4.0
	4.5_
	5.0
LOCATION / NOTES: LEGEND BOREHOLE LOG	
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Disturbed Sample Disturbed Sample	
Ground Level 91.316 mAOD Undisturbed Sample Location: Whitehaven	
Trial pit is backfilled with spoil **Additional parameters at 2.0m; Matela	
**Additional parameters at 2.0m: Metals, Total Cyanide, Orthophosphate, Sulphate,	<i>'</i>
pH Groundwater Table Groundwater Table Scale: as shown Job No: 4432)215
Perched Water Table Perched Water Table Drg. Size: A4 BOREHO	

DEPLLING DATES, 6th March 2007 DRILLING METHODS. Trial Priting DEPLLING DATES, 6th March 2007 DRILLING METHODS. Trial Priting DRILLING METHOD	z	SAMPLE		(mdd)	EB			BOREHOLE NUMBER: TP743E	PAGE	1 of 1	
DESCRIPTION O.3m Leachate: (Surfactarists, Solit (TPH) (silicato split), SVCC, PCB, additional parameters*) and (Surfactarists) Very soft brown mottled black organic CLAY. Damp, NVO	일은		П	UR (F			DRILLING DATES: 6th March 2007 DRILLING METH	IODS :	Trial Pitting	
DESCRIPTION O.3m Leachate: (Surfactarists, Solit (TPH) (silicato split), SVCC, PCB, additional parameters*) and (Surfactarists) Very soft brown mottled black organic CLAY. Damp, NVO				PΟ	MO	(E)	GΥ				
DESCRIPTION O.3m Leachate: (Surfactarists, Solit (TPH) (silicato split), SVCC, PCB, additional parameters*) and (Surfactarists) Very soft brown mottled black organic CLAY. Damp, NVO	SOR	NOWBER WAY				王	CO	LOGGED BY : KL SCREEN TYPE	& DIAN	/ ∣: n/a	
DESCRIPTION O.3m Leachate: (Surfactants, Surfactional parameters*) Soil: (TPH (Million spill), (Million spi			ΙΥΡ	SOII	GRG	DEF	GEC	CHECKED BY : ARD SCREEN SLOT	SIZE: r	n/a	
MADE GROUND. Concrete with thin re-bar. Dry, NVO MADE GROUND. Concrete with thin re-bar. MADE GROUND. Concrete with thin re-bar. MADE GROUND. Corey gravelly sand. Gravel is angular, fine-coarse, sand is medium-coarse. Thin band of black ash. Soft brown very silty slightly gravelly CLAY with pockets of brown-orange silt and mottled black with organic matter. Damp, NVO 1.5 Damp, NVO Damp, NVO Damp, NVO 1.5 Damp, NVO Damp, NVO 1.5 Damp, NVO Damp, NVO Damp, NVO Damp, NVO Location/Notes: Terminated at 3m in bedrock 4.5 NVO - No visual or ollactory evidence of contamination Ground Level 91.13 m AOD Trial pit is backfilled with spoil "Additional parameters at 0.3m: Metals. Total Cymnide, Orthophosphate, Sulphate, pit) Down Borehole Analysis Down Borehole Analysis Down Borehole Analysis Down Borehole Analysis Torundwater Table Down Borehole Analysis Down Borehole Analysis Torundwater Table Down Borehole Analysis Damp March Borehole Analysis Damp March Borehole Analysis Damp March Borehole Analy			H		Ť			DESCRIPTION	C	OMMENTS	
Leachate: (Surfactants, TPH-CWG, additional parameters') Soli: (TPH (alikaro spili), VOC, NOC, NOC, NOC, NOC, NOC, NOC, NOC, N						0.0_	\otimes			Dry, NVO	0.0
parameters*		Leachate: (Surfactants, TPH-CWG,	X	*<0.1	Ā	0.5_		\ angular, fine-coarse, sand is medium-coarse. Thin		Dry, NVO	- - 0.5
Very soft brown mottled black organic CLAY. 2.0m Leachate: (Surfactants) 2.5 White-grey crystalline LIMESTONE. 3.0 White-grey crystalline LIMESTONE. 3.5 Terminated at 3m in bedrock 4.5 N/O = No visual or citaciony evidence of contamination Ground Level 91.133 mAOD Trial pri is backfilled with spoil "Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Suiphate, pht" LEGEND Disturbed Sample Undisturbed Sample Headspace Alanysis Total Cyanide, Orthophosphate, Suiphate, pht Acor: Down Borehole Analysis Groundwater Table Disturbed Sample Headspace Alanysis Groundwater Table Acor: Dame: VS Ref Botz Dame: VS R		parameters* *) Soil: (TPH (ali/aro split),		*<0.1		-		pockets of brown-orange silt and mottled black with		Damo NVO	- - - 10
Very soft brown mottled black organic CLAY. 1.5		SVOC, PCB, additional		X0.1		-				Бапр, муо	-
Very soft brown mottled black organic CLAY. 2.0 Leachate: (Surfactants) 2.2 2.0 Leachate: (Surfactants) 2.5 Leachate: (Surfactants) White-grey crystalline LIMESTONE. 3.0 Leachate: (Surfactants) 4.0 Leachate: (Surfactants) White-grey crystalline LIMESTONE. 3.5 Leachate: (Surfactants) White-grey crystalline LIMESTONE. 3.5 Leachate: (Surfactants) 4.0 Leachate: (Surfactants) White-grey crystalline LIMESTONE. 3.5 Leachate: (Surfactants) 4.0 Leachate: (Surfactants) Surfactants Surfactants Surfactants Surfactants Leachate: (Surfactants) Surfactants Leachate: (Surfactants) Leachate: (Surfactants) Surfactants Surfactant		*)				1.5_	:===:				1.5_
2.0 m Leachate: (Surfactants) 2.0 m Leachate: (Surfactants) 2.5 m White-grey crystalline LIMESTONE. 2.5 m White-grey crystalline LIMESTONE. 3.0 m Terminated at 3m in bedrock 3.5 m Surfactants 4.5 m Surfactants 4.5 m Surfactants 4.5 m Surfactants 5.0 m Surfactants 6 m Surfactants 6 m Surfactants 1 m Surfactants 2 m Surfactants 3 m Surfactants 3 m Surfactants 3 m Surfactants 3 m Surfactants 4 m						-	::			Damp, NVO	
Leachate: (Surfactants) White-grey crystalline LIMESTONE. 3.0 Terminated at 3m in bedrock 3.5 4.5 4.5 NVC = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Ground Level 91.133 mAOD Trial pit is backfilled with spoil "Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH Disturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Date: Policy Defended Date: Open 3007 Drawn: VS Ref: Pole Drawn: VS Ref: P						- -		Very soft brown mottled black organic CLAY.			
White-grey crystalline LIMESTONE. 3.0 White-grey crystalline LIMESTONE. 3.0 Terminated at 3m in bedrock 3.5 4.0 4.5 NVO = No visual or olfactory evidence of contamination Ground Level 91:133 mAOD Trial pit is backfilled with spoil "Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, PH Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Disturbed Sample Client: Rhodie Appt: Date: 090307 Drawn: VS. Ref: Piete Groundwater Table			\boxtimes	*2.2		2.0_					2.0_
White-grey crystalline LIMESTONE. 3.0 Terminated at 3m in bedrock 4.0 4.0 4.0 1.0 1.0 1.0 1.0 1.0						_					-
White-grey crystalline LIMESTONE. 3.0 Terminated at 3m in bedrock 4.0 4.0 4.0 1.0 1.0 1.0 1.0 1.0						-					
Terminated at 3m in bedrock 3.5 4.0 4.5 4.5 NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil "Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH Disturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample Wheatspace Analysis Down Borehole Analysis Groundwater Table Disturbed Sample Undisturbed Sample Whitehaven Client: Rhodia Appd: Date: 09103107 Drawn: VS Ret: Plots P. Ret: Plots D. E. F. G. A & C. Site Investigations Client: Rhodia						2.5_					2.5 _
Terminated at 3m in bedrock 3.5 4.0 4.5 4.5 NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil "Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH Disturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample Wheatspace Analysis Down Borehole Analysis Groundwater Table Disturbed Sample Undisturbed Sample Whitehaven Client: Rhodia Appd: Date: 09103107 Drawn: VS Ret: Plots P. Ret: Plots D. E. F. G. A & C. Site Investigations Client: Rhodia						-					-
Terminated at 3m in bedrock 3.5 4.0 4.0 4.5 NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil "Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Down Borehole Analysis Groundwater Table Disturbed Sample Headspace Analysis Down Borehole Analysis Appd: Date: 0903007 Drawn: VS Ref: Plots								White-grey crystalline LIMESTONE.			
UNO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil "Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Wheadspace Analysis Down Borehole Analysis Groundwater Table BOREHOLE LOG Job Tritle: Plots D.E.F.G, A & C Site Investigations Location: Whitehaven Client: Rhodia App://distances/instances/						3.0_		Torminated at 3m in bodrock			3.0 —
A.0						-		reminated at 5m in bedrock			_
A.0						35_					3.5_
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: VS Ref: Plot E Scolor as a busy of the Not 4/2004/5						-					-
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: VS Ref: Plot E Scolor as a busy of the Not 4/2004/5						-					
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: VS Ref: Plot E Scolor as a busy of the Not 4/2004/5						4.0_					4.0
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Disturbed Sample Undisturbed Sample Undisturbed Sample Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: VS Ref: Plot E Section as have Job No: 4420045						-					-
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Disturbed Sample Undisturbed Sample Undisturbed Sample Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: VS Ref: Plot E Section as have Job No: 4420045						-					
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: VS Ref: Plot E Scale on a hour lob No: 4430045						4.5_					4.5 _—
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: VS Ref: Plot E Scale on a hour lob No: 4430045						-					
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Down Borehole Analysis Groundwater Table App'd: Date: 09/03/07 Drawn: VS Ref: Plot E Scale: se a harm. Job No: 4430045						-] -
NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH Disturbed Sample Undisturbed Sample						5.0_					5.0
NVO = No visual or olfactory evidence of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH Disturbed Sample Undisturbed Sample						_					_
of contamination Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH Distributed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Down Borehole Analysis Groundwater Table	NVO = No	LOCATION / visual or olfac	NO torv	TES: evidend	ce			M Bit I IO		OG	
Ground Level 91.133 mAOD Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH Headspace Analysis Down Borehole Analysis Groundwater Table App'd: Date: 09/03/07 Drawn: ∀S Ref: Plot E Scale: se about Job No: 4/20045	of c	contamination						Indisturbed Cample	tions		
**Additional parameters at 0.3m: Metals, Total Cyanide, Orthophosphate, Sulphate, pH Down Borehole Analysis Groundwater Table App'd: Date: 09/03/07 Drawn : VS Ref: Plot E Scale: on a pharm Joh No: 44320045								- Villendven			
pH Groundwater Table Groundwater Table Scale: as a baum. Job No: 44220245	**Addition	al parameters	at 0.	.3m: Me				Down Borehole Analysis App'd:		Date: 09/03/07	
Scale: as shown Job No: 44320215						,		Groundwater Table		1	
Drg. Size: A4 BOREHOLE LOG								✓ Perched Water Table			

7	SAMPLE	SOIL VAPOUR (ppm)	~		BOREHOLE NUMBER: TP7	45F		PAGE ¹	1 of 1	
BOREHOLE		<u> </u>					LUNG METH	2D0 . T	rial Ditting	
무의		Jo	GROUNDWA DEPTH (m)	<u></u>	DRILLING DATES: 5th March 20 DRILLER: Joy Plant		LLING METHORE DIAN			
J SH	NUMBER	×	ROUNDW EPTH (m)	GEOLOGY	LOGGED BY : PM		REEN TYPE &			
					CHECKED BY : ARD		REEN SLOT S			
0	į į	· Ø	Δ Δ	G			KEEN SLOT S			
	0.3m		0.0_	XXX	DESCR			_	MMENTS	0.0
	Leachate: (Metals,				MADE GROUND. Concrete			_	Dry, NVO	
	Total Cyanide, Orthophosp	*<0.1 *<0.1	- 0.5_		MADE GROUND. Black ash subrounded to rounded grav of concrete.Sand is medium	vel with occasior	coarse nal cobbles	1	amp, NVO amp, NVO	0.5_
	hate, Sulphate,				Very soft dark brown slightly					-
	SVOC) Soil: (VOC,				Gravel is fine to coarse beig	je quartz veined	fine	/		-
	Ammonium,	*<0.1	1.0_		grained sandstone.	TONE	/	′ D	amp, NVO	1.0_
	Nitrate)	<0.1	-		Beige quartz veined SANDS angular cobbles with dark by slightly sandy clay matrix.					1.0
				1	Becoming solid from 0.9m.		fine			
	1.0m		1.5_	-	grained orange-brown sand	stone.		/		1.5_
	Leachate: (Surfactants,			1	Terminated at 1.1m on SAN	IDSTONE				
	TPH-CWG, additional			1	rommatod at 1.1m on or a	IDOTOTIL.				-
	parameters*		2.0_							2.0
	Soil: (TPH			1						
	(ali/aro split), VOC,			-						-
	additional parameters*		2.5_	1						2.5_
	*)			-						-
				1]
			3.0_	1						3.0_
			-]						0.0
				1						
]						-
			3.5_]						3.5_
				-						-
				1						
			4.0_	-						4.0
				1						
			-							-
			4.5_							4.5_
				1						-
			5.0_	1						5.0
			-							-
	LOCATION / N		'		<u>LEGEND</u>	BC	DREHOL	E LO	G	
	visual or olfacto contamination	ry evidence	Э		Disturbed Sample	Job Title: Plots D,E,F,G, A				
	evel 89.895 mAO	D			Undisturbed Sample	Location: Whitehaven				
Trial pit is	backfilled with sp	ooil	als		` ` ` ` ` ` ` `	Client: Rhodia	1.	Г		
**Additional parameters at 1.0m: Metals, Total Cyanide, Orthophosphate, Sulphate,					Down Borehole Analysis	TTT	App'd:		Date: 09/03/07	
pH, SVOC					Groundwater Table	URS	Drawn : Scale: as		Ref: Plot E Job No: 443202	 15
							Drg. Size		BOREHOLE	

	SAMPLE	(mo			DODELIOLE NUMBER, TRACE	· -	PAGE	1 of 1	
ш N O		SOIL VAPOUR (ppm)	E		BOREHOLE NUMBER: TP746				
BOREHOLE CONSTRUCTION			WA)	>	DRILLING DATES: 5th March 2007				
	NUMBER	VAP	GROUNDWA DEPTH (m)	GEOLOGY	DRILLER : Joy Plant	BOREHOLE			
l g SNC	 		I I	딩	LOGGED BY : KL	SCREEN TY			
ŏ	F	- S	<u></u>	ত	CHECKED BY : ARD	SCREEN SL			
			0.0_	XXX	DESCRIP'			OMMENTS	0.0
	0.3m Leachate:	*<0.1	- - -		MADE GROUND.Grass with f grey sandy hardcore with med subangular to angular gravel.	requent rootlets. Brow	wn-	Dry, NVO	- - -
	(Surfactants, additional parameters*		0.5_		MADE GROUND. Grey concre gravel.		/ /		0.5 <u> </u>
	*) Soil: (VOC,		-		MADE GROUND. Brown-grey pockets of soft orange-brown cobbles of brick and concrete.	clay and frequent	rge /		-
	additional parameters*	*<0.1	1.0_		Soft, brown-orange mottled blue with large angular cobbles of o	ack slightly sandy CL			1.0 —
			1.5_		coarse angular gravel of sand		a		- 1.5_
		*<0.1							-
	1.85m Leachate: (Surfactants, Metals, Total		2.0_		Dark orange/brown fine graine occasional white crystals and		1		2.0_
	Cyanide, Orthophosp hate, Sulphate,		2.5_		Terminated at 2m on SANDS	TONE.			- - 2.5_
	pH) Soil: (pH, VOC)		- - -						-
			3.0_						3.0_
			3.5_						- 3.5_
			4.0						- - 4.0_
			-						- - -
			4.5 _						4.5 — -
			5.0_						5.0_
	LOCATION / N	OTES:		<u> </u>	<u>LEGEND</u>	BOREH	OLE LC)G	
NVO = No	visual or olfacto contamination		е		M B:	o Title: Plots D,E,F,G, A & C Site Inv		- 	
	evel 92.806 mAO	D			_	cation: Whitehaven			
Trial pit is backfilled with spoil **Additional parameters at 0.3m: Metals,						ent: Rhodia	m m lale	Dete: 00/00/05	
Total Cya	nide, Orthophosp				Down Borehole Analysis		pp'd: rawn : KL	Date: 09/03/07 Ref: Plot E	
TPH-CWG							cale: as shown	Job No: 4432021	15
					□ Perched Water Table		rg. Size: A4	BOREHOLE	

z	SAMPLE	SOIL VAPOUR (ppm)	E E		BOREHOLE NUMBER: TP747E		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		l R	I ⊢I		DRILLING DATES: 6th March 2007	DRILLING ME	THODS :	Trial Pitting	
		PO	GROUNDWA DEPTH (m)	g≺	DRILLER : Joy Plant	BOREHOLE D			
ORI	NUMBER	╗	ROUNDW EPTH (m)	CO	LOGGED BY : VS	SCREEN TYP			
^m 6				GEOLOGY	CHECKED BY : ARD	SCREEN SLO	T SIZE: n	ı/a	
		"	+-		DESCRIPTION		CO	OMMENTS	\top
			0.0_	***	MADE GROUND. Tarmac hards			Damp	0.0
		*<0.1	-	₩	MADE GROUND. Gravelly silt w	-	ck		-
				<u> </u>	slag.				
	0.6m		0.5_	:===: :===:	MADE GROUND. Concrete with		_/		0.5_
	Leachate:	*<0.1		====	Soft red-brown silty CLAY with c and limestone.	cobbles of sandstone	•		
	(TPH-CWG) Soil: (TPH			,	Very soft black organic clayey S	II T with occasional			
	(ali/aro split), VOC)		1.0_		cobbles of limestone.	oil i willi occasional		Damp	1.0 —
		*<0.1	-						-
	1.47m Leachate:	d	1.5_	<u> </u>	Terminated at 1.47m, on LIMES	STONE			1.5_
	(Surfactants,	1			reminated at 1.47m, on Envice	TONE.			
	Metals, Total Cyanide,		-						-
	Orthophosp hate,		2.0_						2.0
	Sulphate, pH, SVOC)								1 1
	Soil: (SVOC)		-						-
			2.5_						2.5_
			-						-
			3.0_						3.0_
			-						-
			3.5_						3.5_
			3.5_						3.5 —
			-						1 =
			-						1
			4.0_						4.0
			-						-
			-						-
			4.5_						4.5
]					
			5.0_	-					5.0
NVO = No	LOCATION / No visual or olfactor	NOTES: ory evidenc	e		LEGEND M. Dieturbed Sample	BOREHO		OG	
of o	contamination	,			Lindiaturhad Campla	itle: Plots D,E,F,G, A & C Site Invest	tigations		
	evel 91.830 mAC backfilled with s					ion: Whitehaven : Rhodia			
mai pit is	Dackilleu Willi S	,pon			Down Borehole Analysis	App	'd:	Date: 09/03/07	
						JRS Draw	wn : KL	Ref: Plot E	
							le: as shown	Job No: 443202	
						Drg.	Size: A4	DONEHOLE	. 200

Z	SAMPLE	TYPE SOIL VAPOUR (ppm)	EB		BOREHOLE NUMBER: TP748E		PAGE	1 of 1	
빌		⊢ ÿ	I ∟ I		DRILLING DATES: 6th March 2007	DRILLING ME	THODS :	Trial Pitting	
		PO	(E)	≿	DRILLER : Joy Plant	BOREHOLE D			
SOR	NUMBER	ر الب		일	LOGGED BY : VS	SCREEN TYPE	E & DIAM	: n/a	
BOREHOLE		TYPE SOIL	GROUNDWA ⁻ DEPTH (m)	GEOLOGY	CHECKED BY : ARD	SCREEN SLO	T SIZE: n	/a	
	0.2m		0.0_		DESCRIPTION		CC	OMMENTS	0.0_
	Leachate:		0.0 =		MADE GROUND. Tarmac hardstar] 0.0 –
		*<0.1 *<0.1		\bowtie	MADE GROUND. Red gravel in me	edium grained		Dry, NVO	
	Cyanide, Orthophosp		0.5_	: ====	sand.		_/		0.5_
	hate, Sulphate,		- 0.5	133	Soft brown CLAY with occasional la limestone.	arge copples of			0.5
	pH, SVOC) Soil: (pH,			====					
	VOC,"		-	===				NVO	
	SVOC)		1.0_					INVO	1.0
		*<0.1		====					
		X		-	Terminated at 1.3m on LIMESTON	E.			
	1.3m Leachate:		1.5_	1					1.5_
	(Orthophosp hate, TPH-								
	CWG) Soil: (TPH-]]
	CWG)		2.0_						2.0
			-						-
			2.5_						2.5_
			-	-					-
			3.0_						3.0
			-	-					-
			3.5_						3.5_
]					
			4.0_	-					4.0 —
]					
				1					
			4.5_	-					4.5_
			-	1					
]					-
			5.0_						5.0
	001=:5::	107=5							
NVO = No	LOCATION / I visual or olfact	NOTES: tory evidenc	е		LEGEND Disturbed Sample Job Title: P	BOREHO)G	
of c	contamination				I Indiaturhod Comple	ots D,E,F,G, A & C Site Investi	igations		
	evel 91.822 mA backfilled with				★ Headspace Analysis Client: Rhon				
		•			Down Borehole Analysis	App'	d:	Date: 09/03/07	
					Groundwater Table		vn : KL	Ref: Plot E	
					Perched Water Table		e: as shown Size: A4	Job No: 443202	
				I		1			

DRILLING DATES, 6th March 2007 DRILLING METHODS, Trial Pitting DRILLING DATES, 6th March 2007 DRILLING METHODS, Trial Pitting DRILLING DATES, 6th March 2007 DRILLING METHODS, Trial Pitting DRILLING DATES, 6th March 2007 DRILLING METHODS, Trial Pitting DRILLING DATES, 6th March 2007 DRILLING METHODS, Trial Pitting DRICLING METHODS, Trial Pitting DRILLING METHODS, Trial Pitting DRICLING METHODS DRICLING M	z	SAMPLE	(mdd)	ER		BOREHOLE NUMBER: TP749E		PAGE 1 of 1	
0.5m Leachate: (Surfaciants, Total Ordinations)	_ 기 기 기		UR (ATE		DRILLING DATES: 6th March 2007	DRILLING MF	 THODS : Trial Pittine	$_{g}$
0.5m Leachate: (Surfaciants, Total Ordinations)	EEC BUC		PO	(m)	≿				
0.5m Leachate: (Surfaciants, Total Ordinations)	30R STI	L	_) 				
0.5m Leachate: (Surfactants, Total Correlations) (Surfactants, Total Correlations) (Surfactants, Total Correlations) (Orthophosp hate, plf, TPH-CWG, VOC) (SVOC) (S	[™] 6		SOIL	<u>GRC</u> DEF	GEC	CHECKED BY : ARD	SCREEN SLO	T SIZE: n/a	
Leschate: (Gurdiadants, Total Cyanide, Orthophosp Inst. St. Charles Comp. 1		0.5			-	DESCRIPTIO	 N	COMMENTS	
Total Cyanide, Oktrophosp Substate, pH, TPH CWG, SVOC, SNOT CTPC, SVOC, Amnorum, Nitrate) 1.5 1.25m Leachate: (Metals, Cyanide, Oktrophosp hate, Sulphate, pH, TPH CWG, SVOC, Amnorum, Nitrate) 1.5 1.25m Leachate: (Metals, Cyanide, Oktrophosp hate, Sulphate, pH, TPH CWG, SVOC, Amnorum, Nitrate) 1.5 1.5 1.5 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7		Leachate:		0.0				NVO	0.0
Orthophosp 1		Total	*<0.1		\bowtie		ravel with medium	_]	
Note and cobbles. Note thate, but the period of the perio		Cyanide, Orthophosp	*-0.1	0.5	₩	<u> </u>	with from an aut = = f		0.5
Very sort dark prown CLAY with occasional large cobbles of limestone. Damp, NVO 1.0		hate, Sulphate,	<0.1	0.5		brick and cobbles.		INVO	0.5
Solit. (TiPH CWG, VOC, SVOC, Ammonium, Nitrate)		CWG,			====	Very soft dark brown CLAY with o	occasional large		
SVOC, Ammonium, Nitrate) 1.5m Leachate: (Metals, Total Cyanide, Orthophosp hate, Sulphate, PH) 3.0 3.5 NVO = No visual or olfactory evidence of consmirmation Ground Level 91.888 mAOD Trial pit is backfilled with spoil NVO = No visual or olfactory evidence of consmirmation Ground Level 91.888 mAOD Trial pit is backfilled with spoil LEGEND LEGEND M Disturbed Sample Undisturbed Sample		Soil: (TPH-		1.0_	===	CODDICS OF HITIESTOFIE.		Damp, NVO	1.0
Terminated at 1.25m on LIMESTONE 1.5— 1.25m Leachate: (Metals, Total Cyanide, Orthophosp hate, Sulphate, Pit) 3.0— 3.5— 4.0— 4.5— 4.5— LCCATION / NOTES: NVO = No visual or ol factory evidence of contamination Ground Level 91.888 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sampl		SVOC,	*<0.1		[===]				
1.25m Leachate: [Metals, Total Cyanide, Orthophosp hate, Sulphate, PH)] 3.0— 3.5— 3.5— 4.0— 4.5— NVO = No visual or olfactory evidence of contamination Ground Level 91.888 mAOD Trial pit is backfilled with spoil Disturbed Sample Undisturbed Sample		Ammonium,	I			Terminated at 1.25m on LIMEST	ONE		
Legend NVO = No visual or offactory evidence of contamination Ground Level 91.868 mADD Trial pit is backfilled with spoil Legend Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Coround Water Table DISTURBED Down Borehole Analysis Groundwater Table Down Borehole Analysis Groundwater Table Drawn: Ki. Bet: Plot E. Scalic as shown Job No: 4420215		,		1.5_					1.5_
Legend NVO = No visual or offactory evidence of contamination Ground Level 91.868 mADD Trial pit is backfilled with spoil Legend Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Coround Water Table DISTURBED Down Borehole Analysis Groundwater Table Down Borehole Analysis Groundwater Table Drawn: Ki. Bet: Plot E. Scalic as shown Job No: 4420215]				
Total Cyanide, Orthophosp hate, Sulphate, PH) 3.0— 3.5— 4.5— 4.5— 4.5— 5.0— LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 91.368 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample Fleadspace Analysis Down Borehole Analysis Foround Table Fo		Leachate:							
Cyanide, Orthophosp hate, Sulphate, pH) 3.0 - 3.5 - 3				2.0_					2.0_
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91 ,868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table Perched Water Table DIRPORTER Appd: Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table Scale: as shown Job Nav. 443502/15		Cyanide,			-				
DESCRIPTION NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis For our of Contamination One of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Job Tritle: Plots D.E.F.G. A & C Site Investigations Location: Whitehaven Client: Rhodia Down Borehole Analysis One morehole		hate,							
A.5 — 4.5 —				2.5_	<u> </u>				2.5_
A.5 — 4.5 —]				
A.5 — 4.5 —									
LCCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Und				3.0_	_				3.0_
LCCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Und									
LCCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Und									
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table At.5— 4.5— 5.0— BOREHOLE LOG Job Tritle: Plots D,E,F,G, A & C Sitle Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn : KL Ref: Plot E Scale: as shown Job No: 44320215				3.5_	<u> </u>				3.5_
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table At.5— 4.5— 5.0— BOREHOLE LOG Job Tritle: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn : KL Ref: Plot E Scale: as shown Job No: 44320215									
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table At.5— 4.5— 5.0— BOREHOLE LOG Job Tritle: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn : KL Ref: Plot E Scale: as shown Job No: 44320215									
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Down Borehole Water Table Perched Water Table				4.0_					4.0_
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Down Borehole Water Table Perched Water Table									
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Down Borehole Water Table Perched Water Table									
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: KL Ref: Plot E Scale: as shown Job No: 44320215				4.5	<u> </u>				4.5_
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: KL Ref: Plot E Scale: as shown Job No: 44320215									
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: KL Ref: Plot E Scale: as shown Job No: 44320215									
NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Disturbed Sample Undisturbed Sample Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: KL Ref: Plot E Scale: as shown Job No: 44320215				5.0_	1				5.0_
NVO = No visual or olfactory evidence of contamination Ground Level 91.868 mAOD Trial pit is backfilled with spoil Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Disturbed Sample Undisturbed Sample Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: KL Ref: Plot E Scale: as shown Job No: 44320215		OCATION / N	IOTES:			LEGEND	DUDEITO	I F I OC	
Ground Level 91.868 mAOD Trial pit is backfilled with spoil Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Undisturbed Sample Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn: KL Ref: Plot E Scale: as shown Job No: 44320215	NVO = No	visual or olfacto	ory evidenc	е		M. Distants and Osmanda			
Trial pit is backfilled with spoil Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Client: Rhodia App'd: Date: 09/03/07 Drawn: KL Ref: Plot E Scale: as shown Job No: 44320215			חכ			Libralia to other al Occasionia		•	
Groundwater Table Perched Water Table Drawn : KL Ref: Plot E Scale: as shown Job No: 44320215						★ Headspace Analysis Client: F	Rhodia	ı	
✓ Perched Water Table									,
✓ Percheu Water rabie						Groundwater Table	JKS Draw)215
Drg. Size: д4 ВОREHOLE LOG						Perched Water Table			

z	SAMPLE		SOIL VAPOUR (ppm)	ER			BOREHOLE NUMBER: TP750E		PAGE	1 of 1	
BOREHOLE		П	UR (F			DRILLING DATES: 6th March 2007	DRILLING MET	THODS :	Trial Pitting	
XX			PO	DW	(m)		DRILLER : Joy Plant	BOREHOLE DI			
ORI	BOREHOL CONSTRUCT AS				ΉT	Lo l	LOGGED BY : VS	SCREEN TYPE			
[®] 6		IYPE		3RC	ЭEР	GEOLOGY	CHECKED BY : ARD	SCREEN SLOT	Γ SIZE: r	n/a	
		H		+			DESCRIPTION		С	OMMENTS	
			*<0.1		0.0 <u> </u>		MADE GROUND. Dark brown slightly with occasional cobbles of limestone fragments of plastic and rootlets.			NVO NVO	- 0.0 - - -
					- - 0.5	<u> </u>	Soft grey-brown clayey SILT.				0.5_
	0.6m Leachate: (Surfactants, additional		*<0.1		- - -		Yellow-red-brown silty CLAY with fleo organic matter and pockets of white a grained sand and cobbles of grey-yel	and yellow fine		NVO	- - -
	parameters* *) Soil: (VOC, Ammonium, Nitrate,				1.0 —		Dark brown-black silty CLAY with yell pockets of silt and occasional cobble				1.0
	additional parameters*				- 1.5_ - -					Moist, NVO	1.5_ - -
	2.0m Leachate: (Surfactants, Total		*<0.1		2.0 - -	====	Terminated at 2m in LIMESTONE				2.0
	Cyanide, Orthophosp hate, Sulphate, pH, TPH-				- 2.5_ - -						2.5 <u> </u>
	CWG) Soil: (TPH- CWG, SVOC)				3.0_						3.0
					3.5 - -						3.5
					4.0 - - -						4.0
					- 4.5_ -						4.5
					- - 5.0_						5.0 <u> </u>
NVO = No	LOCATION / visual or olfac	NO	TES:	ce.			LEGEND	BOREHO	LE L	OG	
	of contamination						I Indiaturbed Comple	D,E,F,G, A & C Site Investi	gations		
	Ground Level 91.893 mAOD Trial pit is backfilled with spoil						Undisturbed Sample Location: White ★ Headspace Analysis Client: Rhodia	ehaven			
**Addition	**Additional parameters at 0.6m: Metals,						Down Borehole Analysis Down Borehole Analysis	App'o	d:	Date: 09/03/07	
Total Cyanide, Orthophosphate, Sulphate, pH, VOC										Ref: Plot E	
							□ Perched Water Table	Scale	e: as shown		
							=	Drg.	Size: A4	BOREHOLE	LOG



