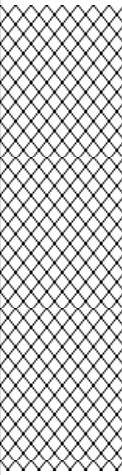









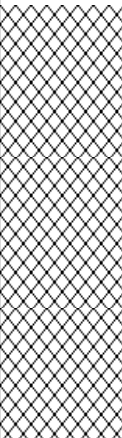










BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WS 121		PAGE 1 OF 1																
	NUMBER	TYPE					DRILLING DATES: 14/9/01		DRILLING METHODS : Window Sample																
							DRILLER : GRL		BOREHOLE DIAMETER : 50mm																
							LOGGED BY : ML		SCREEN TYPE & DIAM: -																
							CHECKED BY : JM		SCREEN SLOT SIZE: -																
	0.7-1.0m- Asbestos, SVOC, PSD		*8.4		0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0		DESCRIPTION		COMMENTS	0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0															
							MADE GROUND: Grass covering.		Dry,NVO																
							MADE GROUND: Firm/stiff light brown reworked clay with some silt, fine sand, fine gravel and black fine gravel of coal.																		
							MADE GROUND: Medium dense light brown/grey and black granular fill with abundant coarse sand, much fine gravel and rare medium gravel and light brown clay.		Slightly damp, NVO																
							MADE GROUND: with frequent medium/coarse mudstone and black gravel of coal.		Wet,NVO																
Borehole completed at 1.4mbgl on refusal in hard sandstone.																									
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination						LEGEND  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table						BOREHOLE LOG Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven,Cumbria Client: Rhodia  <table border="1"> <tr> <td>App'd: JM</td> <td>Date: OCT 2001</td> </tr> <tr> <td>Drawn : AF</td> <td>Ref: AF/ML/420</td> </tr> <tr> <td>Scale: as shown</td> <td>Job No: 44557-021-420</td> </tr> <tr> <td>Drg. Size: A4</td> <td>BOREHOLE LOG</td> </tr> </table>						App'd: JM	Date: OCT 2001	Drawn : AF	Ref: AF/ML/420	Scale: as shown	Job No: 44557-021-420	Drg. Size: A4	BOREHOLE LOG
App'd: JM	Date: OCT 2001																								
Drawn : AF	Ref: AF/ML/420																								
Scale: as shown	Job No: 44557-021-420																								
Drg. Size: A4	BOREHOLE LOG																								

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WS 122		PAGE 1 OF 1	
	NUMBER	TYPE					DRILLING DATES: 25/9/01		DRILLING METHODS : Window Sample	
							DRILLER : GRL		BOREHOLE DIAMETER : 50mm	
							LOGGED BY : ML		SCREEN TYPE & DIAM: -	
							CHECKED BY : JM		SCREEN SLOT SIZE: -	
							DESCRIPTION	COMMENTS		
	0.25-0.5m-Asbestos		*0.0				MADE GROUND: Grass covering.	Dry,NVO	0.0	
							MADE GROUND: Hard medium dense light brown reworked clay with some fine gravel and light brown grass rootlets, occasional silt, coarse sand and medium gravel and rare hard cemented medium gravel and light brown/grey ash.	Dry,NVO	0.5	
							MADE GROUND: Medium dense black granular fill with abundant black gravelly ash, much red brick fragments (up to 1cm), numerous light brown and grey fine gravel of ash and dark grey mudstone flints, some black, light brown and red coarse sand, occasional clay, light grey medium gravel of fused ash and shiny black fine gravel of coal and rare white/grey spongy amorphous powder.		1.0	
							becoming loose with some brick, ash and gravel of mudstone.		1.5	
							Hard cemented friable light brown/dark red SANDSTONE.	Dry,NVO	2.0	
							Borehole completed at 1.3mbgl due to refusal in hard sandstone.		2.5	
									3.0	
									3.5	
									4.0	

LOCATION / NOTES:

NVO = No visual or olfactory evidence of contamination

LEGEND


-  Disturbed Sample
-  Undisturbed Sample
-  Headspace Analysis
-  Down Borehole Analysis
-  Groundwater Table
-  Perched Water Table

BOREHOLE LOG

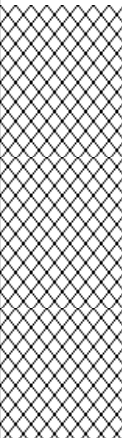








Job Title: Phase II Soil & Groundwater Investigation

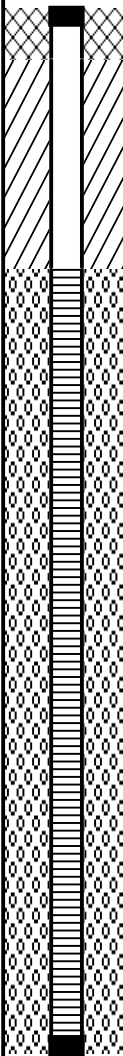



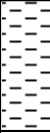
Location: Whitehaven,Cumbria








Client: Rhodia



App'd: JM	Date: OCT 2001
Drawn : AF	Ref: AF/ML/420
Scale: as shown	Job No: 44557-021-420
Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WS 123		PAGE 1 OF 1	
	NUMBER	TYPE					DRILLING DATES: 18/9/01		DRILLING METHODS : Window Sample	
							DRILLER : GRL		BOREHOLE DIAMETER : 50mm	
							LOGGED BY : ML		SCREEN TYPE & DIAM: -	
							CHECKED BY : JM		SCREEN SLOT SIZE: -	
 0.2-0.5m-Asbestos	 *0.2	0.0	DESCRIPTION		COMMENTS	0.0				
		0.2	MADE GROUND: Loose grey medium angular gravel of limestone with some fine/medium sand, occasional grass roots and rare clay.		Dry,NVO					
		0.4	MADE GROUND: Medium dense black/grey/white fused, wind blown visibly porous salts (medium gravel/coarse gravel sized).		Dry,NVO. Sulphurous odour.					
		0.6	MADE GROUND: Dense black and dark brown granular fill with some black fine gravel of coal and coarse sand, occasional light brown clay, grey/yellow ash, medium gravel, fine sand and orange ash and rare grey mudstone flints.		Dry,NVO	0.5				
		0.8	MADE GROUND: Dense black gravelly ash/coal with abundant black fine gravel of coal, much coarse sand and some fine/medium gravel of mudstone flints and occasional light orange silt mottling (iron).		Dry,NVO	1.0				
		1.0	Hard cemented friable (flinting) dark grey MUDSTONE.		Dry,NVO					
		1.2	Borehole completed at 1.3mbgl due to hard mudstone.			1.5				
		1.4				2.0				
		1.6				2.5				
		1.8				3.0				
LOCATION / NOTES:		LEGEND		BOREHOLE LOG						
NVO = No visual or olfactory evidence of contamination		 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table		Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven,Cumbria Client: Rhodia 						
				App'd: JM		Date: OCT 2001				
				Drawn : AF		Ref: AF/ML/420				
				Scale: as shown		Job No: 44557-021-420				
				Drg. Size: A4		BOREHOLE LOG				

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WS401		PAGE 1 of 1		
	NUMBER	TYPE					DRILLING DATES: 23/3/05		DRILLING METHODS : Window sampler		
							DRILLER : GPS		BOREHOLE DIAMETER : 100mm		
							LOGGED BY : PR		SCREEN TYPE & DIAM: HDPE 50mm		
							CHECKED BY : LCH		SCREEN SLOT SIZE: 2mm		
				DESCRIPTION		COMMENTS					
					0.0		MADE GROUND: Brown, loose, silty sand (topsoil) with roots and occasional pebbles.		Dry, NVO		0.0
			* 0		0.5		MADE GROUND: Coarse sand with large angular boulders of shale. Black and red mottling.		Dry, NVO		0.5
							MADE GROUND: Loose, red/black crushed brick with occasional pebbles of shale		Dry, NVO		
					1.0		MADE GROUND: Loose, black gravel of shale with some red mottling.				1.0
			* 0		1.5						1.5
					2.0				Moist, NVO		2.0
					2.5		MADE GROUND: Compacted pebbles and boulders of hard rock with brick and shale and occasional coal fragments.				2.5
		* 0		3.0					3.0		
				3.5	MADE GROUND: Brown clay with layers of black shale and occasional coal pieces.		Dry, NVO		3.5		
				4.0		Dark brown CLAY (BOULDER CLAY) with occasional sandstone pebbles.		Dry, NVO		4.0	
		* 0		4.5						4.5	
				5.0		End of Borehole				5.0	

LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination No groundwater encountered		LEGEND  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table		BOREHOLE LOG Job Title: Phase II Investigations and Environmental assessments. Location: The Former Albright and Wilson Works, Whitehaven, Cumbria Client: Rhodia  <table><tr><td>App'd: NA</td><td>Date: 07/04/05</td></tr><tr><td>Drawn : NA</td><td>Ref: NA</td></tr><tr><td>Scale: NA</td><td>Job No: 44319623</td></tr><tr><td>Drg. Size: NA</td><td>BOREHOLE LOG</td></tr></table>				App'd: NA	Date: 07/04/05	Drawn : NA	Ref: NA	Scale: NA	Job No: 44319623	Drg. Size: NA	BOREHOLE LOG
App'd: NA	Date: 07/04/05														
Drawn : NA	Ref: NA														
Scale: NA	Job No: 44319623														
Drg. Size: NA	BOREHOLE LOG														

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WS402		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 23/3/05		DRILLING METHODS : Window sampler	
							DRILLER : GPS		BOREHOLE DIAMETER : 100mm	
							LOGGED BY : PR		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY : LCH		SCREEN SLOT SIZE: 2mm	
							DESCRIPTION	COMMENTS		
	0.3-0.5				0.0		MADE GROUND: Brown, sandy clay topsoi with occasional grey mottling. Occasional red brick pieces.		Dry, NVO	0.0
							MADE GROUND: Grey/blue slag with thin layer of clay and black ash.			0.5
							MADE GROUND: Red brick rubble.			
							MADE GROUND: Clay with sandstone pebbles.			1.0
							MADE GROUND: Coarse angular gravel with occasional shale pieces.			1.5
							MADE GROUND: Compacted coarse ash with larger sandy constituents. Occasional slag.			2.0
					2.0				Dry, NVO	2.0
					3.0		Soft, brown sandy CLAY with fine subrounded-subangular gravel.		Dry, NVO	3.0
					3.5					3.5
					4.0					4.0
					4.5					4.5

LOCATION / NOTES:

NVO = No visual or olfactory evidence of contamination

No groundwater encountered

LEGEND

Disturbed Sample
 Undisturbed Sample
 Headspace Analysis
 Down Borehole Analysis
 Groundwater Table
 Perched Water Table

BOREHOLE LOG

Job Title: Phase II Investigations and Environmental assessments.

Location: The Former Albright and Wilson Works, Whitehaven, Cumbria

Client: Rhodia

App'd: NA

Drawn : NA

Scale: NA

Drg. Size: NA

Date: 07/04/05

Ref: NA

Job No: 44319623

BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WS416		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 30/3/05		DRILLING METHODS : Window sampler	
							DRILLER : GPS		BOREHOLE DIAMETER : 100mm	
							LOGGED BY : PR		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY : LCH		SCREEN SLOT SIZE: 2mm	
							DESCRIPTION	COMMENTS		
	0.45m	* 600		0.0	MADE GROUND: Pink/grey medium-coarse gravel with fine silt matrix.	Dry, NVO	0.0			
	1.2m	* 55		0.5	MADE GROUND: Black silt with occasional gravel of siltstone/mudstone and fine angular gravel of ash.		0.5			
				1.0	Becoming more light grey and more sandstone gravel.	Dry, NVO	1.0			
				1.5	Becoming darker with more ash and coal gravel.	Dry, NVO	1.5			
				2.0	Coal layer (20mm)	Wet, NVO	2.0			
				2.5	MADE GROUND: Stiff, red, silty clay with occasional fine to medium, rounded-subrounded gravel of sandstone.	Wet, NVO	2.5			
				3.0	Becoming orange and slightly less stiff and less gravel.	Wet, NVO	3.0			
				3.5	Becoming more red and more stiff.	Wet, NVO	3.5			
				4.0	MADE GROUND: Soft, dark brown clay with occasional ash	Wet, NVO	4.0			
				4.5	MADE GROUND: Stiff, red silty clay with fine-medium, subangular sandstone gravel.	Wet, NVO	4.5			
				5.0			5.0			

LOCATION / NOTES:		LEGEND		BOREHOLE LOG	
NVO = No visual or olfactory evidence of contamination		Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table		Job Title: Phase II Investigations and Environmental assessments. Location: The Former Albright and Wilson Works, Whitehaven, Cumbria Client: Rhodia	
				App'd: NA Date: 07/04/05	
				Drawn : NA Ref: NA	
				Scale: NA Job No: 44319623	
				Drg. Size: NA BOREHOLE LOG	

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP701D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 8th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : LB		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
DESCRIPTION		COMMENTS								
2.6m Leachate : (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) Soil: (Orthophosp hate, pH, TPH-CWG, VOC, SVOC, PCBs, Ammonium, Nitrate)	X	*0.0	X	*0.0	0.0	MADE GROUND.Dark brown slightly sandy clay with occassional rootlets.	Dry, NVO Dry, NVO	0.0		
					0.5	MADE GROUND.Red brick.		0.5		
					1.0	MADE GROUND. Black ashy sub-angular to angular gravel with fragments of shale and a pale white - blue cement clinker.		1.0		
					1.5	Becoming slightly clayey from 2m.		1.5		
					2.0			2.0		
4.4m Leachate : (Surfactants, Orthophosp hate, Sulphate, pH, TPH- CWG, SVOC) Soil: (Sulphate, VOC)	X	*0.0	X	*0.0	2.5			2.5		
					3.0			3.0		
					3.5			3.5		
					4.0	Soft to firm dark brown CLAY with occassional fine sub-angular to sub-rounded gravel.	4.0			
					4.5		4.5			
					5.0			5.0		
					5.5	Pale yellow fine grained LIMESTONE with occassional small dissolution voids.		5.5		
						Terminated at 5.3m.				

LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 83.885 mAOD Trial pit is backfilled with spoil		LEGEND <div><div>X</div> Disturbed Sample</div> <div><div>■</div> Undisturbed Sample</div> <div><div>*</div> Headspace Analysis</div> <div><div>+</div> Down Borehole Analysis</div> <div><div>⬇</div> Groundwater Table</div> <div><div>≡</div> Perched Water Table</div>		BOREHOLE LOG <div>Job Title: Plots D,E,F,G, A & C Site Investigations</div> <div>Location: Whitehaven</div> <div>Client: Rhodia</div> <div>URS</div> <div><div>App'd:</div><div>Date: 09/03/07</div><div>Drawn : LMB</div><div>Ref: Plot D</div><div>Scale: as shown</div><div>Job No: 44320215</div><div>Drg. Size: A4</div><div>BOREHOLE LOG</div></div>	
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BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP702D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 8th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : LB		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
DESCRIPTION		COMMENTS								
0.3m Leachate: (Surfactants, Orthophosp hate, pH, SVOC) Soil : (Sulphate, VOC, SVOC)	X	*0.0	*0.0	0.0	MADE GROUND. Dark brown slightly sandy clay with occassional rootlets and sub-angular gravel.	Dry, NVO	0.0			
		0.5						MADE GROUND. Soft to firm light brown mottled red - grey gravelly slightly sandy clay. Gravel is sub- angular to sub-rounded.	Dry, NVO	0.5
4.6m Leachate : (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) Soil : (Metals, Cyanide, Orthophosp hate, pH, TPH(ali/aro split), VOC, TOC/PSD, Ammonium, Nitrate)	X	*0.0	*0.0	1.0	MADE GROUND. Black ashy sub-angular to angular gravel of shale with occassional fragments of dark grey - black clinker.	Dry, NVO	1.0			
		2.0								2.0
		*0.0		2.5			2.5			
				3.0			3.0			
				3.5			3.5			
		*0.0		4.0	Soft to firm dark brown CLAY with occassional fine sub-angular to sub-rounded gravels and occassional cobbles of pale grey - pink fine grained limestone.		4.0			
		*0.0		4.5			4.5			
				5.0			5.0			
				5.5	Pale grey - pink and pale yellow - pink fine grained LIMESTONE with occassional dissolution voids. Terminated at 5.3m.		5.5			
				6.0			6.0			

LOCATION / NOTES:		LEGEND		BOREHOLE LOG	
NVO = No visual or olfactory evidence of contamination		<div><div>X</div>Disturbed Sample</div> <div><div>■</div>Undisturbed Sample</div> <div><div>*</div>Headspace Analysis</div> <div><div>⬇</div>Down Borehole Analysis</div> <div><div>≡</div>Groundwater Table</div> <div><div>≡</div>Perched Water Table</div>		Job Title: Plots D,E,F,G, A & C Site Investigations	
Ground Level 84.432 mAOD		Location: Whitehaven		Client: Rhodia	
Trial pit is backfilled with spoil		URS		App'd:	Date: 09/03/07
				Drawn : LMB	Ref: Plot D
				Scale: as shown	Job No: 44320215
				Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP703D		PAGE 1 of 1																													
	NUMBER	TYPE					DRILLING DATES: 8th March 2007		DRILLING METHODS : Trial Pitting																													
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a																													
							LOGGED BY : LMB		SCREEN TYPE & DIAM: n/a																													
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a																													
DESCRIPTION		COMMENTS																																				
0.5m Leachate: (Surfactants, Orthophosph hate, pH, TPH-CWG, SVOC) Soil: (Sulphate, TPH-CWG, VOC, SVOC, PCB)	X	*0.0	0.0	MADE GROUND. Concrete hardstanding with re-bar.	Damp	0.0																																
							0.5	MADE GROUND.Reddish brown clayey gravel. Gravel is fine to coarse sub-rounded and sub-angular with occassional cobbles.	Dry	0.5																												
											1.0	Piece of conveyor belt at 0.4m.		1.0																								
															1.5	MADE GROUND. Black fine to coarse angular to sub-angular gravel with ash matrix and pockets of more compacted ash.	Damp	1.5																				
																			2.0	Firm black slightly sandy CLAY with occassional fine to medium sub-rounded gravel and pockets of yellow - orange coarse sub-angular gravel.		2.0																
																							2.5	Soft orange - brown mottled grey and red slightly sandy CLAY with occassional sub-rounded and sub-angular gravel.	Damp	2.5												
																											3.0	Firm red - brown mottled orange and grey slightly sandy CLAY with occassional sub-rounded gravel and occassional sandstone and limestone cobbles.	Dry	3.0								
																															3.5			3.5				
																																			4.0			4.0
5.0	Terminated at 5m.		5.0																																			
				5.5			5.5																															

LOCATION / NOTES:
NVO = No visual or olfactory evidence of contamination

Ground Level 84.739 mAOD
Trial pit is backfilled with spoil

LEGEND

X

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

URS

App'd:

Date: 09/03/07

Drawn : LMB

Ref: Plot D

Scale: as shown

Job No: 44320215

Drg. Size: A4

BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP704D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 8th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : LMB		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
				DESCRIPTION		COMMENTS				
1.8m Leachate: (Surfactants, Cyanide, Ortho Phosphate, Sulphate, pH, TPH- CWG, SVOC) Soil : (Sulphate, TPH-CWG, VOC, SVOC, PCB, Ammonium, Nitrate)	X				0.0		MADE GROUND. Turf.		Dry Sulphur odour Damp	0.0
							MADE GROUND. Black gravelly clay. Gravel is fine to coarse sub-angular to sub-rounded.			
							MADE GROUND. Red - brown sandy gravel with a clay matrix. Gravel is fine to coarse sub-angular and sub-rounded.			
							MADE GROUND. Blue - grey cement clinker.			
							MADE GROUND. Black fine to coarse sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, slag and occasional cement clinker cobbles.			
4.0m Leachate: (Surfactants, pH, TPH- CWG, SVOC)	X				2.0		Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded.		Dry Dry	3.0
							COBBLES of pink - red Limestone with occasional voids.			
							Firm red - brown CLAY with occasional fine to medium sub-rounded gravel and frequent pockets of friable black silt.			
							Refused at 4m, on pinky red LIMESTONE.			

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP705D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 8th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : KL		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
DESCRIPTION		COMMENTS								
1.5m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) Soil: (Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, VOC, PCB, Ammonium, Nitrate)	X	* <0.1	0.0	MADE GROUND. Soft brown - orange slightly gravelly sandy clay. Gravel is fine to coarse and angular.	Dry, NVO	0.0				
						0.5				
						1.0				
4.8m Leachate: (Surfactants, pH, TPH- CWG, SVOC) Soil: (Sulphate, SVOC)	X	* <0.1	1.5	MADE GROUND. Black ashy sandy gravel with coal wood and slag with occassional pockets of orange - brown very sandy clay with frequent fine to coarse angular to sub-angular gravel. Gravel is fine to coarse. At 0.9m Blue thin cable running east to west. At North end of trial pit: 0.4 -0.6m Grey sandy gravel of ash and concrete 0.6m blue - grey cement clinker cobbles 0.9m large piece of wood	Dry, NVO	1.5				
						2.0				
						2.5				
			3.0	Soft to firm orange - brown very sandy CLAY with frequent sub-angular fine to coarse gravel and occasional pockets of yellow fine to medium sand.	Dry, NVO	3.0				
						3.5				
						4.0				
			4.5	Terminated at 4.8m, on SILTSTONE.	Dry, NVO	4.5				
						5.0				

LOCATION / NOTES:		LEGEND		BOREHOLE LOG	
NVO = No visual or olfactory evidence of contamination		<div><div>X</div>Disturbed Sample</div> <div><div>■</div>Undisturbed Sample</div> <div><div>*</div>Headspace Analysis</div> <div><div>+</div>Down Borehole Analysis</div> <div><div>—</div>Groundwater Table</div> <div><div>—</div>Perched Water Table</div>		Job Title: Plots D,E,F,G, A & C Site Investigations	
Ground Level 84.425 mAOD				Location: Whitehaven	
Trial pit is backfilled with spoil				Client: Rhodia	
				App'd: <div>URS</div>	
				Date: 09/03/07	
				Drawn : LMB	
				Ref: Plot D	
				Scale: as shown	
				Job No: 44320215	
				Drg. Size: A4	
				BOREHOLE LOG	

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP706D		PAGE 1 of 1								
	NUMBER	TYPE					DRILLING DATES: 8th March 2007		DRILLING METHODS : Trial Pitting								
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a								
							LOGGED BY : KL		SCREEN TYPE & DIAM: n/a								
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a								
				DESCRIPTION		COMMENTS											
2.0m Leachate: (Surfactants, pH, TPH- CWG, SVOC) Soil: (Sulphate, TPH-CWG, VOC, PCB)	☒	* 0.1			0.0		MADE GROUND. Soft brown sandy clay below turf. Frequent fine to coarse and angular to sub-angular gravel.		Dry, NVO	0.0							
					0.5		MADE GROUND. Grey - black ashy slightly clayey gravelly sand with fine to coarse gravel of concrete, brick, coal and occasional pieces of wood.			0.5							
					1.0		MADE GROUND. Concrete and blue cement clinker.			1.0							
					4.2m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) Soil: (Metals, Cyanide, Orthophosp hate, pH, TPH(ali/aro split), VOC, SVOC)		☒	* 0.1			1.5		MADE GROUND. Black ashy very sandy gravel of coal, slate, brick and slag with occasional large cobbles of brick and cement clinker.		Strong sulphur odour	1.5	
											2.0		At 1.1m blue cable running east to west. At 2.5m recovering bricks at southeast end of pit.			2.0	
											2.5		MADE GROUND. Black ashy sandy gravel of coal slag, slate and brick.			2.5	
													Soft to firm orange - brown slightly sandy CLAY with occasional fine to medium sub-angular gravel and occasional flecks of black and yellow sand.		Slight kerosene odour	2.5	
													3.0			3.0	
													3.5			3.5	
													Terminated at 4.2m.			4.0	
4.5			4.5														
5.0			5.0														

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 84.680 mAOD		Undisturbed Sample		Location: Whitehaven					
Trial pit is backfilled with spoil		Headspace Analysis		Client: Rhodia					
		Down Borehole Analysis				App'd:		Date: 09/03/07	
		Groundwater Table				Drawn : LMB		Ref: Plot D	
		Perched Water Table				Scale: as shown		Job No: 44320215	
						Drg. Size: A4		BOREHOLE LOG	

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP708D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 8th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : LMB		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
DESCRIPTION		COMMENTS								
0.5m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) Soil: (Metals, Cyanide, Orthophosp hate, Sulphate, TPH(ali/aro split), VOC, SVOC, PCB)	X	X	X	X	0.0	MADE GROUND. Brown sandy clay with occassional fine to coarse sub-angular gravel and occassional cobbles of cement clinker.	Damp	0.0		
					0.5	MADE GROUND. Grey medium to coarse sub-angular to angular gravel.	Wet Wet	0.5		
						MADE GROUND. Reddish brown gravel with clayey matrix. Gravel is fine to coarse sub-angular to angular.	Damp			
					1.0	MADE GROUND. Black sub-rounded sub-angular and angular gravel with occassional fragments of brick.		1.0		
						MADE GROUND. Bricks and concrete.				
					1.5	Refused at 1m.		1.5		
					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 / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 85.054 mAOD Trial pit is backfilled with spoil		LEGEND X 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 <div>URS</div> <table><tr><td>App'd:</td><td>Date: 09/03/07</td></tr><tr><td>Drawn : LMB</td><td>Ref: Plot D</td></tr><tr><td>Scale: as shown</td><td>Job No: 44320215</td></tr><tr><td>Drg. Size: A4</td><td>BOREHOLE LOG</td></tr></table>	App'd:	Date: 09/03/07	Drawn : LMB	Ref: Plot D	Scale: as shown	Job No: 44320215	Drg. Size: A4	BOREHOLE LOG
App'd:	Date: 09/03/07										
Drawn : LMB	Ref: Plot D										
Scale: as shown	Job No: 44320215										
Drg. Size: A4	BOREHOLE LOG										

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP709D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 7th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : LB		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
				DESCRIPTION		COMMENTS				
0.8m Leachate: (Surfactants, Sulphate, pH, TPH- CWG, SVOC) Soil: (Orthophosp hate, pH, TPH(ali/aro split), SVOC, Ammonium, Nitrate)	X	*0.0	1.0	MADE GROUND. Grass over pale brown sandy silt with frequent coarse angular gravels rare rootlets intermittent band of white - blue cement clinker.	Dry, NVO	0.0				
							MADE GROUND. White - blue cement clinker with coarse angular gravels and occassional siltstone boulders.		Dry, NVO	
							MADE GROUND. Dark brown sandy silt with frequent bricks and cobbles of cement clinker.		Dry, NVO	
							MADE GROUND. Dark brown slightly sandy silt with occassional cobbles of cement clinker.		Dry, NVO	
							Firm to stiff red - brown sandy CLAY with occassional fine to coarse sub-angular to sub-rounded gravels and black flecks of organic material.		Dry, NVO	
3.9m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) Soil: (Orthophosp hate, VOC, PCB)	X	*0.0	4.0	Terminated at 4m.						

LOCATION / NOTES:		LEGEND		BOREHOLE LOG					
NVO = No visual or olfactory evidence of contamination		X Disturbed Sample		Job Title: Plots D,E,F,G, A & C Site Investigations					
Ground Level 84.872 mAOD		■ Undisturbed Sample		Location: Whitehaven					
Trial pit is backfilled with spoil		* Headspace Analysis		Client: Rhodia					
		+ Down Borehole Analysis		URS		App'd:		Date: 09/03/07	
		Groundwater Table				Drawn : LMB		Ref: Plot D	
		Perched Water Table				Scale: as shown		Job No: 44320215	
						Drg. Size: A4		BOREHOLE LOG	

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP710D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 7th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : KL		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
DESCRIPTION		COMMENTS								
0.4m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, Sulphate, pH, SVOC) Soil: (Orthophosp hate, Sulphate, pH, TPH (ali/aro split), VOC, SVOC, Ammonium, Nitrate)	☒	*65.1	☒	0.0	MADE GROUND. Concrete with thin re-bar. 1m thick concrete foundation along the south side of the trial pit.	Very wet Slight sulphur odour	0.0			
				0.5	MADE GROUND. Brown-black sandy gravel. Gravel is medium to coarse and angular.		0.5			
				1.0	MADE GROUND. Brown very gravelly clay. Gravel is medium-coarse with frequent large cobbles of brick. Large redundant cable running north-south at 1.2m.		1.0			
				1.5	Soft to firm black mottled brown very silty CLAY.		1.5			
4.0m Leachate: (Surfactants, Orthophosp hate, pH, TPH-CWG) Soil: (SVOC)	☒	*30.2	☒	2.0	Soft light brown - orange gravelly CLAY. Gravel is fine to coarse and angular.	Water ingress at west side. Water is black with an oily sheen. Trial pit filled with water at the bottom Wet, NVO	2.0			
				2.5				2.5		
				3.0				3.0		
				3.5				3.5		
				4.0	Terminated at 4m.		4.0			
				4.5			4.5			
				5.0			5.0			

LOCATION / NOTES:

NVO = No visual or olfactory evidence of contamination

Ground Level 84.436 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:

Drawn : LMB

Scale: as shown

Drg. Size: A4

Date: 09/03/07

Ref: Plot D

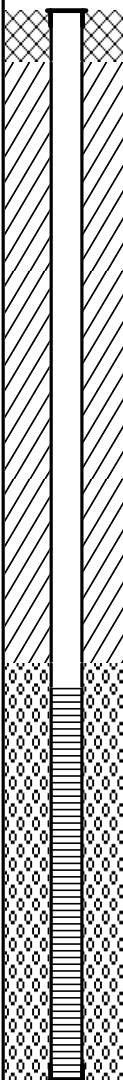
Job No: 44320215


BOREHOLE LOG

URS

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP711D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 7th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : KL		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
DESCRIPTION		COMMENTS								
0.4m Leachate: (Surfactants, Metals, Cyanide, Orthophosph hate, Sulphate, pH, TPH- CWG, SVOC) Soil: (Metals, Cyanide, Orthophosph hate, Sulphate, pH, TPH- CWG, VOC, SVOC, PCB)	X	*<0.1	114	0.0	MADE GROUND. Concrete with re-bar. Northern half of trial pit concrete at 0.5m, continued with southern half of the trial pit.	Dry, slight hydrocarbon odour	0.0			
				0.5	MADE GROUND. Soft slightly sandy very gravelly clay with occasional bricks, metal cans, wood, glass, rebar and ceramics.		0.5			
				1.0	Soft brown slightly silty CLAY with frequent fine to coarse angular gravel.		1.0			
				1.5	Soft to firm light brown-yellow slightly sandy gravelly CLAY with pockets of red silt and yellow sandy clay. Gravel is fine to coarse sub-angular to angular.		1.5			
				2.0			2.0			
2.4m Leachate: (Surfactants, pH, SVOC) Soil: (TPH- CWG, VOC, SVOC, Ammonium, Nitrate)	X	*<0.1	114	2.5		black water, sulphur odour	2.5			
				3.0			3.0			
				3.5			3.5			
				4.0			4.0			
				4.5			4.5			
Terminated at 4.2m.							5.0			

LOCATION / NOTES:		LEGEND		BOREHOLE LOG	
NVO = No visual or olfactory evidence of contamination		<div><div>X</div>Disturbed Sample</div> <div><div>■</div>Undisturbed Sample</div> <div><div>*</div>Headspace Analysis</div> <div><div>+</div>Down Borehole Analysis</div> <div><div>≡</div>Groundwater Table</div> <div><div>≡</div>Perched Water Table</div>		Job Title: Plots D,E,F,G, A & C Site Investigations	
Ground Level 84.521 mAOD				Location: Whitehaven	
Trial pit is backfilled with spoil				Client: Rhodia	
				<div>URS</div>	
				App'd:	Date: 09/03/07
				Drawn : LMB	Ref: Plot D
				Scale: as shown	Job No: 44320215
				Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WS712D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 8th March 2007		DRILLING METHODS : Window Sampling	
							DRILLER : Global Probing and Sampling		BOREHOLE DIAMETER : 200mm	
							LOGGED BY : PM		SCREEN TYPE & DIAM: 50mm (Geosock)	
							CHECKED BY : ARD		SCREEN SLOT SIZE: 1mm	
							DESCRIPTION	COMMENTS		
	0.5m Leachate: (Metals, Cyanide, Orthophosphate, pH)		*0.0		0.0	MADE GROUND. Very soft dark brown slightly gravelly clay. Gravel is fine sub-angular to sub-rounded with frequent rootlets.	Damp, NVO	0.0		
					0.5	MADE GROUND. Orange slightly gravelly sand. Gravel is coarse sandstone.	Damp, NVO	0.5		
	0.9m Leachate: (Surfactants, Sulphate, pH, TPH-CWG, SVOC)		*0.0		1.0	MADE GROUND. Grey slightly clayey medium to coarse sub-angular to angular gravel of sandstone.		1.0		
					1.5	MADE GROUND. Black slightly sandy slightly clayey fine to coarse sub-angular to angular gravel of shale and occasional red brick fragments.		1.5		
	1.5m Soil: (TPH (ali/aro split), VOC, SVOC, PCB)		*0.0		2.0			2.0		
					2.5	MADE GROUND. Soft dark brown very sandy slightly gravelly clay with flecks of coal. Gravel is fine sub-angular to sub-rounded of shale.	Dry, NVO	2.5		
					3.0	Soft orange - brown gravelly very sandy CLAY. Gravel is fine to medium sub-angular to sub-rounded of sandstone.		3.0		
					3.5	Firm dark brown sandy very gravelly CLAY. Gravel is fine to medium sub-angular to angular brown limestone with some veins and dissolution holes with crystals.	Dry, NVO	3.5		
	3.8m Leachate: (Surfactants, Orthophosphate, pH) Soil: (Ammonium, Nitrate)		*0.0		4.0	LIMESTONE recovered as a brown fine to medium sub-angular gravel with small dissolution holes.		4.0		
					4.5	Terminated at 4.1m on LIMESTONE.		4.5		
									5.0	
									5.0	

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 84.448 mAOD		Undisturbed Sample		Location: Whitehaven	
Trial pit is backfilled with spoil		Headspace Analysis		Client: Rhodia	
		Down Borehole Analysis			
		Groundwater Table			
		Perched Water Table			
				App'd:	Date: 09/03/07
				Drawn : LMB	Ref: Plot D
				Scale: as shown	Job No: 44320215
				Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP713D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 7th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : KL		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
DESCRIPTION		COMMENTS								
0.5m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, Sulphate, pH, TPH- CWG, SVOC) Soil: (Metals, Cyanide, Ortho Phosphate, Sulphate, pH, TPH (ali/aro split), VOC, SVOC, PCB, Ammonium, Nitrate)	✕	* <0.1	0.0	MADE GROUND. Soft brown clayey silt with frequent coarse gravel.	Dry, NVO	0.0				
							0.5			
			0.5	MADE GROUND. Blue cement clinker.		0.5				
				MADE GROUND. Brown - red very gravelly sand. Gravel is medium to coarse and angular to sub-angular.						
			1.0	MADE GROUND. Black ashy sandy gravel of coal and slag with frequent cobbles of brick. Gravel is angular and coarse.		1.0				
			1.5			1.5				
			2.0	MADE GROUND. Concrete with occasional black coal cobbles and black sandy gravel.		2.0				
			2.5	MADE GROUND. Black ashy very gravelly sand. Gravel is fine to coarse and angular of slag and coal with frequent cobbles of concrete.	Dry, NVO	2.5				
			3.0	Orange - brown gravelly very silty CLAY. Gravel is fine to coarse and angular to sub-angular with occasional large cobbles and pockets of yellow compacted sand.		3.0				
			3.5			3.5				
			4.0			4.0				
			4.5			4.5				
4.8m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) Soil: (Sulphate, TPH(ali/aro split))	✕	* <0.1	5.0	Terminated at 4.8m.		5.0				

LOCATION / NOTES:

NVO = No visual or olfactory evidence of contamination

Ground Level 84.906 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

URS

App'd:

Drawn : LMB

Scale: as shown

Drg. Size: A4

Date: 09/03/07

Ref: Plot D

Job No: 44320215

BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP714D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 7th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : KL		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
DESCRIPTION		COMMENTS								
0.5m Leachate: (Surfactants, Orthophosp hate, Sulphate, pH, TPH- CWG, SVOC) Soil: (Sulphate, TPH-CWG, VOC, SVOC, Ammonium, Nitrate)	✕	* <0.1		0.0		MADE GROUND. Concrete.		Dry, NVO	0.0	
						MADE GROUND. Dark brown - black silty fine sand with frequent subangular medium gravel.			0.5	
						At 1.1m Pipe (20cm diameter) running north-south.			1.0	
						At 1.5m Large cobble/ boulder of limestone.			1.5	
						At 2.1m cable running east to west.			2.0	
4.3m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) Soil: (Ortho Phosphate, pH, SVOC, TOC/PSD)	✕	* <0.1		2.5		Orange - brown clayey SILT with occassional pockets of yellow fine sand with fine to medium sub-rounded gravel and frequent pockets of orange - brown clay with fine to medium sub-rounded to sub-angular gravel.		Dry, NVO	2.5	
						Orange - brown very silty gravelly CLAY. Gravel is sub-rounded to sub-angular and fine.			3.5	
						Terminated at 4.3m.			4.0	
									4.5	
									5.0	

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 85.244 mAOD		Undisturbed Sample		Location: Whitehaven	
Trial pit is backfilled with spoil		Headspace Analysis		Client: Rhodia	
		Down Borehole Analysis			
		Groundwater Table		App'd: _____	
		Perched Water Table		Date: 09/03/07	
				Drawn : LMB	
				Ref: Plot D	
				Scale: as shown	
				Job No: 44320215	
				Drg. Size: A4	
				BOREHOLE LOG	

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WS715D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 8th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Global Probing and Sampling		BOREHOLE DIAMETER : 200mm	
							LOGGED BY : LMB		SCREEN TYPE & DIAM: 50mm (Geosock)	
							CHECKED BY : ARD		SCREEN SLOT SIZE: 1mm	
DESCRIPTION		COMMENTS								
	0.5m	Leachate: (Surfactants, Sulphate, pH, TPH- CWG, SVOC)	✕	*0.0	✕	MADE GROUND. Light grey fine to coarse sub-angular to angular gravel.	Dry	0.0		
	1.4m	Soil: (Sulphate, pH, TPH (ali/aro split), VOC)	✕	*0.0	✕	MADE GROUND. Grey fine to coarse subangular to angular gravel in a beige sandy matrix.	Wet	0.5		
						MADE GROUND. Grey fine to coarse sub-angular to angular gravel with occassional brick fragments.	Dry	1.0		
						MADE GROUND. Light grey-blue cement clinker.	Damp	1.5		
	1.5m	Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, TPH- CWG, SVOC)	✕	*0.0	✕	MADE GROUND. Black fine to coarse sub-rounded easily friable gravel with occassional blue- grey cement clinker and yellow material (possibly sulphur).		2.0		
	4.2m	Soil: (Metals, Cyanide, Orthophosp hate, SVOC, Ammonium, Nitrate)	✕	*0.0	✕	MADE GROUND. Firm black mottled orange gravelly clay with occassional coal flecks. Gravel is sub-rounded and sub-angular.	Wet	2.5		
						MADE GROUND. Firm red - brown mottled black gravelly clay with rare pottery fragments. Gravel is fine to medium and sub-rounded.		3.0		
						MADE GROUND. Firm black clay with coal flecks and occassional sub-rounded gravel.		3.5		
	4.6m	Leachate: (Surfactants, pH, TPH- CWG)	✕	*0.0	✕	MADE GROUND. Firm orange - black gravelly clay. Gravel is medium to coarse, sub-rounded of limestone and sandstone. Cobble of sandstone at 2.7m. Clay becoming soft from 2.8m.	Wet Black staining from 3.6m Damp	4.0		
	4.2m	Soil: (VOC)	✕	*0.0	✕	MADE GROUND. Large wooden stake.	Wet	4.5		
						MADE GROUND. Grey fine to medium sub-angular to angular gravel.		5.0		
4.6m	Leachate: (Surfactants, pH, TPH- CWG)	✕	*0.0	✕	Firm red - brown gravelly CLAY. Gravel is medium to coarse sub-rounded to rounded of sandstone.	Dry	5.5			
					Firm to stiff red - brown very gravelly CLAY with occassional coal flecks. Gravel is medium to coarse sub-rounded and sub-angular of sandstone.		6.0			
						Refused at 4.8m, possible BEDROCK.				

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 85.722 mAOD		Undisturbed Sample		Location: Whitehaven	
Trial pit is backfilled with spoil		Headspace Analysis		Client: Rhodia	
		Down Borehole Analysis			
		Groundwater Table			
		Perched Water Table			
				App'd:	Date: 09/03/07
				Drawn : LMB	Ref: Plot D
				Scale: as shown	Job No: 44320215
				Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP716D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 7th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : KL		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
				DESCRIPTION		COMMENTS				
0.5m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG) Soil: (Orthophosp hate, pH, VOC)	✕	* \leq 0.1	✕	✕	0.0	MADE GROUND. Concrete.	Dry, NVO	0.0		
					0.1	MADE GROUND. Brown sandy gravel. Gravel is medium to coarse and angular.				
					0.2	MADE GROUND. Blue cement clinker.	Dry, NVO	0.5		
					0.3	MADE GROUND. Black silty gravelly fine sand. Gravel is fine to medium and angular to sub-angular.	Dry, NVO			
					0.4	Firm red- brown very silty gravelly CLAY with pockets of yellow fine sand. Gravel is fine to medium and angular to sub-angular.		1.0		
					0.5	Blue pipe running north-south at the east end of the trial pit at 1m.		1.5		
					0.6					
					0.7					
					0.8					
					0.9					
4.0m Leachate: (Surfactants, Orthophosp hate, Sulphate, pH, TPH- CWG, SVOC) Soil: (TPH (ali/aro split), SVOC, PCB)	✕	* \leq 0.1	✕	✕	4.0	Terminated at 4m.		4.0		
					4.1					
					4.2					
					4.3					
					4.4					
					4.5					
					4.6					
					4.7					
					4.8					
					4.9					

LOCATION / NOTES:

NVO = No visual or olfactory evidence of contamination

Ground Level 85.470 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 : LMB

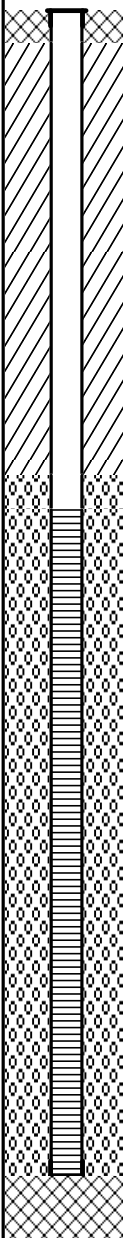
Ref: Plot D








Scale: as shown

Job No: 44320215

Drg. Size: A4

BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WS717D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 8th March 2007		DRILLING METHODS : Window sampling	
							DRILLER : Global Probing and Sampling		BOREHOLE DIAMETER : 200mm	
							LOGGED BY : PM		SCREEN TYPE & DIAM: 50mm (Geosock)	
							CHECKED BY : ARD		SCREEN SLOT SIZE: 1mm	
							DESCRIPTION	COMMENTS		
	0.6m	Leachate: (Surfactants)	*0.0		0.0	MADE GROUND. Black clayey firm to medium and sub-angular to angular gravel of shale.	Damp, NVO	0.0		
		Soil: (Ammonium, Nitrate)	*0.0		0.5	MADE GROUND. White - grey and red - brown slightly clayey fine to medium sub- angular to angular gravel of limestone concrete and clinker.		0.5		
			*0.0		1.0	MADE GROUND. Beige - white slightly clayey very sandy fine to medium sub-angular to sub-rounded gravel of limestone.		1.0		
	2.7m	Leachate: (Metals, Cyanide, Orthophosp hate, pH)	*0.0		1.5	MADE GROUND. Black clayey fine to medium gravel of shale becoming less clayey from 1.7m.	Damp, NVO	1.5		
		Soil: (Metals, Cyanide, Orthophosp hate, pH)	*0.0		2.0	MADE GROUND. Soft red -brown slightly gravelly clay with flecks of coal and frequent organic rootlets and fibres. Gravel is fine sub-angular to sub-rounded of shale and sandstone.	Damp, NVO	2.0		
			*0.0		2.5	MADE GROUND. Black clayey fine to coarse sub- angular to angular gravel of shale with occassional clinker.	Dry, NVO	2.5		
			*0.0		3.0	Soft to firm red - brown gravelly CLAY with occassional root fibres, flecks of coal and frequent soft very sandy gravelly clay pockets. Gravel is fine to coarse sub-angular to sub-rounded of sandstone limestone and shale.		3.0		
			*0.0		3.5	Becoming dark brown from 4m.		3.5		
	2.9m	Leachate: (Orthophosp hate, Sulphate, pH, TPH- CWG, SVOC)	*0.0		4.0			4.0		
		Soil: (Sulphate, TPH- CWG, VOC, SVOC)	*0.0		4.5			4.5		
			*0.0		5.0			5.0		
			*0.0		5.5	Grey fine sub-angular to sub-rounded GRAVEL of mixed limestone and sandstone.		5.5		
			*0.0		6.0	Soft red - brown gravelly CLAY. Gravel is fine to medium, sub-angular to sub-rounded of gritstone and sandstone.		6.0		
			*0.0		6.5	Brown slightly sandy slightly clayey fine to coarse angular to sub-angular GRAVEL of brown limestone with some veining and rare dissolution voids. (Weathered limestone bedrock).		6.5		
	7.0m	Leachate: (Surfactants, pH, TPH- CWG)	*0.0		7.0	Terminated at 7.4m, refusal on LIMESTONE.		7.0		
				7.5			7.5			
				8.0			8.0			

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 85.979 mAOD		 Undisturbed Sample		Location: Whitehaven	
Trial pit is backfilled with spoil		 Headspace Analysis		Client: Rhodia	
		 Down Borehole Analysis			
		 Groundwater Table			
		 Perched Water Table			
				App'd:	Date: 09/03/07
				Drawn : LMB	Ref: Plot D
				Scale: as shown	Job No: 44320215
				Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP718D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 7th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : KL		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
				DESCRIPTION		COMMENTS				
0.3m Leachate: (Surfactants, Orthophosp hate, Sulphate, pH, TPH- CWG, SVOC) Soil: (pH, TPH-CWG, VOC, SVOC, TOC/PSD, Ammonium, Nitrate)	X	* \leq 0.1		0.0		MADE GROUND. White - grey concrete with thin re-bar.	Dry, NVO	0.0		
						MADE GROUND. Brown sandy gravel fill.				
						MADE GROUND. Blue cement clinker.		0.5		
						Firm orange - brown very silty slightly gravelly CLAY. Gravel is sub-angular to angular fine to medium of limestone.		1.0		
						Terminated at 1m, on grey crystalline LIMESTONE with red and brown veins.				
1.0m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH, SVOC) Soil: (Metals, Cyanide, Orthophosp hate, VOC)	X	* \leq 0.1		1.0				1.0		
								1.5		
								2.0		
								2.5		
								3.0		
				3.5						
				4.0						

LOCATION / NOTES:

NVO = No visual or olfactory evidence of contamination

Ground Level 85.946 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

URS

App'd:

Drawn : LMB

Scale: as shown

Drg. Size: A4

Date: 09/03/07

Ref: Plot D

Job No: 44320215

BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TP719D		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 7th March 2007		DRILLING METHODS : Trial Pitting	
							DRILLER : Joy Plant		BOREHOLE DIAMETER : n/a	
							LOGGED BY : KL		SCREEN TYPE & DIAM: n/a	
							CHECKED BY : ARD		SCREEN SLOT SIZE: n/a	
				DESCRIPTION		COMMENTS				
1.0m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH) Soil: (Metals, Cyanide, Orthophosp hate, Ammonium, Nitrate)		* \leq 0.1		0.0	MADE GROUND. Concrete.	Wet, NVO	0.0			
				0.2	MADE GROUND. Red-brown very gravelly sand. Gravel is coarse and angular.		0.2			
				0.5	MADE GROUND. Grey - blue cement clinker.		0.5			
				0.8	MADE GROUND. Soft black gravelly clay.		0.8			
				1.0	MADE GROUND. Grey - blue cement clinker.		1.0			
				1.5	MADE GROUND. Soft black gravelly clay. Gravel is fine-medium and angular.		1.5			
				2.0	Soft to firm brown - red slightly silty gravelly CLAY. Gravel is fine to coarse angular to sub-angular.		2.0			
4.0m Leachate: (Surfactants, Sulphate, pH, TPH- CWG, SVOC) Soil: (Sulphate, pH, TPH- CWG, VOC, SVOC, PCB)		* \leq 0.1		4.0		Wet, NVO	4.0			
				4.5	Terminated at 4.5m, on yellow SANDSTONE.		4.5			
				5.0			5.0			

LOCATION / NOTES:

NVO = No visual or olfactory evidence of contamination

Ground Level 85.550 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:

Drawn : LMB

Scale: as shown

Drg. Size: A4

Date: 09/03/07

Ref: Plot D

Job No: 44320215

BOREHOLE LOG