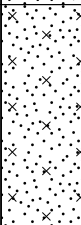
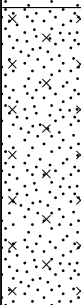
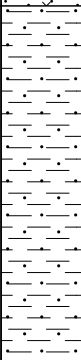


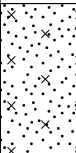
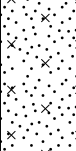
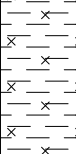
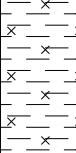
BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH304		
Contract Ref: 315531		Start: 25.07.24 End: 09.08.24		Ground Level: 8.42		National Grid Co-ordinate: E:277232.9 N:186644.3		Sheet: 1 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.50 0.50	1	ES PID	0.0ppm							ASPHALT MADE GROUND. Dark brown gravelly fine to coarse SAND. Gravel is angular fine to coarse of slag and roadstone. Loose yellow brown fine to medium SAND. (Blown Sand)		0.10 (0.50) 0.60	
1.00 1.00	2	ES PID	0.0ppm									(1.90)	
1.70-2.00	1	B								. . . Becomes brown from 1.70m bgl.		2.50	
2.00-2.45	20	SPT(c)	N=6										
2.50-3.00 2.50 2.50	2 3	B ES PID	0.0ppm							Loose brown silty fine to coarse SAND. (Tidal Flat Deposits)		(1.50)	
3.00-3.45 3.20-4.00	21 3	SPT(c) B	N=6							. . . Becomes greyish brown from 3.50m bgl.		4.00	
4.00-4.45	22	SPT(c)	N=6							Loose dark greenish grey silty fine to coarse SAND. (Tidal Flat Deposits)		(2.00)	
4.50-5.00	4	B										6.00	
5.00-5.45	23	SPT(c)	N=4										
5.50-6.00	5	B										(2.50)	
6.00-6.45	24	SPT(c)	N=2							Very soft greyish brown sandy CLAY. Sand is fine to coarse. (Tidal Flat Deposits)		8.50 (0.50) 9.00	
7.00-7.50	6	B											
7.50-7.95	7	U	40 blows										
8.50-9.00	8	B								Soft grey clayey SILT. (Tidal Flat Deposits)			

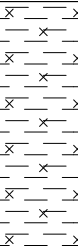
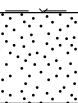
Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 1.60m depth. 300mm diameter pipe installed prior to backfilling to allow cable percussive drilling to commence.
Method Used: Cable Percussion + Rotary Cored						Plant Used: CPT Rig + Dando 2000Fraste			All dimensions in metres
Drilled By: CJA						Logged By: Jagan Raj + KBancroft			Scale: 1:50
						Checked By: 			

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH304
Contract Ref:	Start: 25.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 09.08.24	8.42	E:277232.9 N:186644.3	2 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Fracture Log	Depth (Thick- ness)	Material Graphic Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
9.00-9.45 9.00-9.45	9 25	D SPT	N=7							Loose grey silty fine to medium SAND. (Tidal Flat Deposits)				
10.00-10.50	10	B	17 blows									(2.50)		
10.50-10.95	11	U											11.50	
11.70-12.00	12	B										(0.50)		
12.00-12.45 12.00-12.45	13 26	D SPT	N=21							Firm dark brown fibrous PEAT. Moderate organic odour. (Tidal Flat Deposits)		12.00		
12.80-13.50	14	B	10 blows							Soft to firm grey silty CLAY. Occasional peat fragments. (TIDAL FLAT DEPOSITS)		(2.00)		
13.50-13.95	15	U											14.00	
13.95-14.05	16	D												
14.50-15.00	17	B	N=4							Very soft grey silty CLAY. (TIDAL FLAT DEPOSITS)				
15.00-15.45 15.00-15.45	18 27	D SPT												
16.00-16.50	19	B												
16.50-16.95	20	U	17 blows									(5.70)		
17.50-18.00	21	B												

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
									All dimensions in metres	Scale: 1:50		
Method Used:	Cable Percussion + Rotary Cored			Plant Used:	CPT Rig + Dando 2000Fraste		Drilled By:	CJA	Logged By:	Jagan Raj + KBancroft	Checked By:	 AGS

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH304
Contract Ref:	Start: 25.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 09.08.24	8.42	E:277232.9 N:186644.3	3 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Fracture Log	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
18.00-18.45 18.00-18.45	12 22	SPT D	N=4							Very soft grey silty CLAY. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 14.00m from previous sheet)</i>			
18.80-19.50	23	B								... Becomes greyish brown between 18.80m and 19.50m bgl.			
19.50-19.95 19.70-20.20	13 24	SPT(c) B	N=36							Dense grey brown fine to coarse SAND.		19.70 (0.60)	
20.30-21.00	25	B								Dense grey brown subrounded to rounded coarse GRAVEL of mudstone. (Weathered South Wales Middle Coal Measures)		20.30	
21.00-21.45	14	SPT(c)	N=30									(3.10)	
22.00-22.50	26	B											
22.50-22.95	15	SPT(c)	N=38										
23.40-24.00	27	B										23.40	
24.00-24.45	20	SPT(c)	N=34									(2.10)	
25.00-25.50	28	B											
25.50-25.95	19	SPT(c)	N=44									25.50	
26.50-27.00	29	B									Dense brown slightly sandy slightly gravelly COBBLES of mudstone. Sand is fine to coarse. Gravel is subrounded fine to coarse of mudstone. (Weathered South Wales Middle Coal Measures)		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
									All dimensions in metres	Scale: 1:50		
Method Used:	Cable Percussion + Rotary Cored			Plant Used:	CPT Rig + Dando 2000Fraste		Drilled By:	CJA	Logged By:	Jagan Raj + KBancroft	Checked By:	 AGS

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH304
Contract Ref:	Start: 25.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 09.08.24	8.42	E:277232.9 N:186644.3	4 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
27.00-27.30	18	SPT(c)	19,6/30,20 for 75mm							Dense brown slightly sandy slightly gravelly COBBLES of mudstone. Sand is fine to coarse. Gravel is subrounded fine to coarse of mudstone. (Weathered South Wales Middle Coal Measures) (stratum copied from 25.50m from previous sheet)		(3.40)		
27.00-27.80	30	B												
27.80-28.30	31	B												
28.30-29.80	17	SPT(c)	25/39,11 for 0mm	↑	↑	↑								
28.30-28.45											20 50 90 FI=12			
29.80-31.30				↑	↑	↑	↑							
				100	83	40	20 40 100 FI=23							
31.30-32.80	1	SPT(c)	NP	↑	↑	↑	↑							
31.30-31.30											20 50 110 FI=20			
32.80-34.30				↑	↑	↑	↑				. . . Fossilised organic matter inclusions from 32.20m bgl.			
				↑	↑	↑	↑				. . . Becomes moderately weak and partially unweathered from 32.80m bgl.		33.00	
				96	64	0	5 80				Moderately weak to medium strong partially unweathered grey and dark grey MUDSTONE. Occasional lenses of carbonaceous mudstone.	4	(2.00)	
				↑	↑	↑	↑				. . . Lense of extremely weak to very weak distinctly weathered black COAL between 33.60m and 33.70m bgl.			
34.30-35.80	2	SPT(c)	NP	↑	↑	↑	↑				. . . Becomes unweathered at 34.30m bgl.			
34.30-34.30											40 50 87 FI=12			Weak to moderately weak unweathered to partially unweathered black COAL.
				92	52	0							(0.50)	
				↓	↓	↓	↓				Description on next sheet		35.50	
35.80-37.30				93	40	13	↑							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used:		Cable Percussion + Rotary Cored		Plant Used:		CPT Rig + Dando 2000Fraste		Drilled By:		CJA	
Logged By:		Jagan Raj + KBancroft		Checked By:		ZB		AGS		Scale: 1:50	

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH304
Contract Ref:	Start: 25.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 09.08.24	8.42	E:277232.9 N:186644.3	5 of 9

Depth (m)	Samples & Testing			Mechanical			Log	Backfill & Instru- mentation	Water	Description of Strata	Fracture Log	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
37.30-38.50 37.30-37.30	3	SPT(c)	NP	93	40	13	12 60 200 FI=16			Medium strong unweathered brownish grey SILTSTONE/MUDSTONE. Frequent angular fine to coarse fossilised organic matter inclusions. (stratum copied from 35.50m from previous sheet) . . . Fossilised organic matter inclusions no longer present below 36.70m bgl.	6	(6.30)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used:		Cable Percussion + Rotary Cored		Plant Used:		CPT Rig + Dando 2000Fraste		Drilled By:		CJA	
Logged By:		Jagan Raj + KBancroft		Checked By:						All dimensions in metres Scale: 1:50	

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH304
Contract Ref:	Start: 25.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 09.08.24	8.42	E:277232.9 N:186644.3	6 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
46.30-47.80 46.30-46.30	11	SPT(c)	NP	97 ↓	16 ↓	16 ↓	30 240 FI=8 ↓			Very weak unweathered to partially unweathered black COAL. (stratum copied from 44.40m from previous sheet)	12	(1.40) 45.80	
47.80-49.30				100 ↓	78 ↓	69 ↓	30 140 180 FI=12 ↓			Moderately weak to medium strong partially weathered to distinctly weathered dark grey MUDSTONE. Frequent angular fine to coarse fossilised organic matter inclusions. Becomes very strong and unweathered from 46.30m bgl. . . . Frequent subrounded to rounded coarse fine sandstone inclusions between 46.80m and 47.40m bgl.	13		
49.30-50.80 49.30-49.30	6	SPT(c)	NP	100 ↓	93 ↓	84 ↓	210 300 FI=8 ↓			. . . Becomes very weak to moderately weak at 47.8m bgl.	14[i]	(5.00)	
50.80-52.30				92 ↓	30 ↓	30 ↓	38 FI=10 ↓			 Becomes moderately strong at 50.2mbgl	15[i]	50.80	
52.30-53.80 52.30-52.30	7	SPT(c)	NP	100 ↓	83 ↓	73 ↓	60 400 220 FI=10 ↓			Moderately weak unweathered to partially unweathered black organic MUDSTONE.	16[i]	(0.80) 51.60	
53.80-55.30				100 ↓	71 ↓	59 ↓	10 25 FI=4 ↓			Moderately weak to medium strong unweathered to partially unweathered interbedded organic MUDSTONE and fine SANDSTONE/SILTSTONE.	17	(3.70)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks						
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)							
Method Used:		Cable Percussion + Rotary Cored		Plant Used:		CPT Rig + Dando 2000Fraste		Drilled By:		CJA	Logged By:	Jagan Raj + KBancroft	Checked By:		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH304
Contract Ref: 315531	Start: 25.07.24	Ground Level: 8.42	National Grid Co-ordinate: E:277232.9 N:186644.3		Sheet: 7 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
55.30-56.80	8	SPT(c)	NP	100	66	45	130 150 FI=8			Moderately weak to medium strong unweathered to partially unweathered interbedded organic MUDSTONE and fine SANDSTONE/SILTSTONE. (stratum copied from 51.60m from previous sheet)	18[i]	55.30	
55.30-55.30										Very weak to moderately weak unweathered to distinctly weathered dark grey MUDSTONE.			
56.80-58.30				100	50	20	130 210 FI=8						
58.30-59.80				93	86	71	1900 200 FI=10			... Rare rounded fine to coarse fossilised organic matter inclusions between 58.3-58.6mbgl	19[i]	(4.50)	
59.80-61.30				64	38	8	30 50 120 FI=15			Very weak to weak unweathered to partially unweathered dark grey to black MUDSTONE. Frequent angular fine to coarse fossilised organic matter inclusions.	20	59.80	
61.30-62.80				93	60	53	200 200 FI=5			... Becomes destructured between 61.30-61.45m bgl	21[i]		
62.30-64.30				93	43	26	290 FI=10			... Becomes moderately weak with frequent coarse rounded inclusions of brown SILTSTONE at 62.5m bgl.	22[i]		
				73	47	25	90 180 FI=6						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH304	
Contract Ref: 315531		Start: 25.07.24 End: 09.08.24	Ground Level: 8.42	National Grid Co-ordinate: E:277232.9 N:186644.3		Sheet: 8 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thick ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
64.30-65.80				73	47	25	90 180 FI=6			Very weak to weak unweathered to partially unweathered dark grey to black MUDSTONE. Frequent angular fine to coarse fossilised organic matter inclusions. (stratum copied from 59.80m from previous sheet)		(7.95)	
65.80-67.30				92	64	42	50 200 FI=10			... Becomes medium strong to strong with occasional thick bands of brown siltstone at 64.30m bgl.	23[i]		
67.30-68.80				100	80	56	60 240 FI=10			... Band of medium strong fine SANDSTONE between 66.0-66.15mbgl ... Very thin band of COAL between 66.480-66.485m bgl. ... Band of medium strong fine SANDSTONE between 67.10-67.25mbgl.	24[i]		
68.80-70.30				86	71	53	140 150 FI=11			Very weak unweathered to partially unweathered black COAL. Very weak to weak distinctly weathered grey MUDSTONE. Rare patches of brown oxidation/surface staining between 68.80m - 69.9m bgl	25[i]	67.75 68.00	
70.30-71.80				100	100	92	25 40 80 FI=4			Moderately weak unweathered to partially unweathered brownish grey SILTSTONE AND FINE SANDTONE. ... Occasional patches of brown oxidation/surface staining between 70.9-71.3m bgl	26	69.90	x x x x
71.80-73.30				93	80	80	200 200 FI=7			Description on next sheet	27	(3.40)	x x x x

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

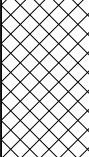
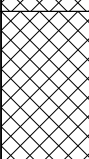
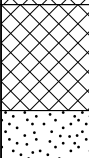
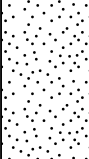
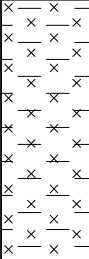
Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH304
Contract Ref:	Start: 25.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 09.08.24	8.42	E:277232.9 N:186644.3	9 of 9

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
									All dimensions in metres	Scale: 1:50		
Method Used:	Cable Percussion + Rotary Cored			Plant Used:	CPT Rig + Dando 2000Fraste		Drilled By:	CJA	Logged By:	Jagan Raj + KBancroft	Checked By:	 AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH305
Contract Ref: 315531	Start: 23.08.24	Ground Level: ---	National Grid Co-ordinate: ---	Sheet: 1 of 4	
	End: 02.09.24				

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.50-1.00	1	B				Strong grey CONCRETE. 75% aggregate of angular to subrounded fine to coarse flint. Approximately 2 to 3% small voids.	0.30	
0.50	1	ES				MADE GROUND: dark brownish grey gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse slag, roadstone, mudstone, rare scrap metal, rare glass and rare brick. (Fill Material)	(1.20)	
1.50-2.00	2	B				MADE GROUND: brownish grey silty subangular to subrounded fine to coarse GRAVEL and angular COBBLES of slag. (Fill Material)	1.50	
2.50	2	ES					(1.00)	
2.50-3.00	3	B				MADE GROUND: greyish brown sandy COBBLES of subrounded weak cemented sandstone and slag. Sand is fine to medium. (Fill Material)	2.50	
	3	ES				... Cobble of silver subrounded high density slag recovered at 2.9m bgl.	(0.70)	
3.50	3	ES				Loose becoming very loose greyish brown slightly clayey silty SAND. Sand is fine to medium. (Tidal Flat Deposits)	3.20	
3.50-4.00	4	B						
4.00-4.45	1	SPT(c)	N=7					
4.50-5.00	5	B						
5.00-5.45	2	SPT(c)	N=6				(3.50)	
5.50	4	ES				... Becoming dark grey below 5.5m.		
5.50-6.00	6	B						
6.00-6.45	3	SPT(c)	N=2					
6.50-7.50	7	B					6.70	
7.50-7.95	8	U	14 blows			Soft grey slightly sandy silty organic CLAY with rare veins of reddish brown fibrous plant matter (<2mm thickness). Sand is fine. (Tidal Flat Deposits)	(1.80)	
8.50-9.00	9	B				Soft brownish grey clayey SILT with a moderate organic odour. (Tidal Flat Deposits)	8.50	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 2.43m depth. 3. Concrete cored (23/08/24). Borehole advanced with cable percussion (27/08/24).
Method Used: Cable Percussion						Plant Used: Dando 4000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Jagan Raj			Checked By:  AGS



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH305
Contract Ref: 315531	Start: 23.08.24 End: 02.09.24	Ground Level: ---	National Grid Co-ordinate: ---		Sheet: 2 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45 9.00-9.45	4 10	SPT D	N=2			Soft brownish grey clayey SILT with a moderate organic odour. (Tidal Flat Deposits) <i>(stratum copied from 8.50m from previous sheet)</i>	(2.50)	
10.00-10.50	11	B						
10.50-10.95	12	U	11 blows				11.00	
11.30-12.00	13	B				Stiff brown fibrous PEAT with a strong organic odour. (Tidal Flat Deposits) ... Brownish grey rounded cobble of hard sandstone recovered at approximately 11.2m. Possibly pushed down by drilling process.	(1.50)	
12.00-12.45 12.00-12.45	5 14	SPT D	N=27				12.50	
13.00-13.50	15	B				Soft to firm grey to dark grey silty CLAY. (Tidal Flat Deposits) ... Becoming brownish grey below 16m.		
13.50-13.95	7	SPT(c)	N=2					
14.50-15.00	16	B					(4.80)	
15.00-15.45	17	D						
16.00-16.50	18	B						
16.50-16.95	19	U	16 blows					
17.30-18.00	20	B				Description on next sheet	17.30	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
Method Used: Cable Percussion				Plant Used: Dando 4000			Drilled By: CJA		Logged By: Jagan Raj		Checked By: 	

GINT LIBRARY_V10_01.GLB LibVersion: v8_07 | Log COMPOSITE LOG - A4P | 315531 PORT TALBOT.GPJ - v10_01.
RSK Environment Ltd, The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117 947 1006 Fax: 0117 947 1009 Web: www.rsk.co.uk | 30/01/25 - 14:48 | JB17 |

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH305
Contract Ref: 315531	Start: 23.08.24 End: 02.09.24	Ground Level: ---	National Grid Co-ordinate: ---		Sheet: 3 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45	6	SPT(c)	N=32			Dense (from 18.00m) to very dense dark brownish grey slightly sandy silty subrounded to rounded fine to coarse GRAVEL of mudstone. Sand is fine to coarse. (Weathered South Wales Middle Coal Measures) (stratum copied from 17.30m from previous sheet)		
18.50-19.50	21	B						
19.50-19.88	8	SPT(c)	8,13/17,20,13 for 75mm				(6.10)	
20.50-21.00	22	B						
21.00-21.45	9	SPT(c)	N=31					
22.00-22.50	23	B				... No recovery.		
22.50-22.95	10	SPT(c)	N=24					
23.50-24.00	24	B				Stiff dark brownish grey slightly sandy very gravelly silty CLAY. Gravel is subrounded to rounded fine to coarse mudstone. Sand is coarse. (Weathered South Wales Middle Coal Measures)	23.40	
24.00-24.45	11	SPT(c)	N=32					
25.00-25.50	25	B					(3.60)	
26.50-27.00	26	B				... Cobble of subrounded pale brown mudstone recovered between 26.5m and 27.0m bgl.	27.00	

Hole terminated on 02/09/24 due to crane maintenance on 03/09/24 and time constraints

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
Method Used: Cable Percussion				Plant Used: Dando 4000			Drilled By: CJA		Logged By: Jagan Raj		Checked By: 	

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH305
Contract Ref:	Start: 23.08.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 02.09.24	---	---	4 of 4

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used: Cable Percussion			Plant Used: Dando 4000			Drilled By: CJA		Logged By: Jagan Raj		Checked By: 	

BOREHOLE LOG

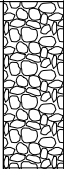
Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH306
Contract Ref: 315531	Start: 08.10.24 End: 15.10.24	Ground Level: ---	National Grid Co-ordinate: ---		Sheet: 1 of 1

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
0.90	1	ES								CONCRETE.	(0.90)	
										MADE GROUND: black mottled white sandy angular fine to coarse GRAVEL of various metals including iron and slag. Sand is coarse.	(1.10)	
										CONCRETE with occasional rebar (<2cm). Borehole terminated due to reinforced concrete pile foundation.	2.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									1. Position scanned with a CAT, Genny and GPR prior to excavation.	
Method Used: Cable Percussion + Rotary open hole		Plant Used: Dando 3000 + Fraste		Drilled By: CJA		Logged By: Jagan Raj		Checked By: AGS		All dimensions in metres Scale: 1:50

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH306A
Contract Ref: 315531	Start: 17.10.24	Ground Level: ---	National Grid Co-ordinate: ---		Sheet: 1 of 1
	End: 17.10.24				

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
1.00	1	ES				CONCRETE with frequent rebar (<5cm).	(0.90)	
						MADE GROUND: black and grey very gravelly fine to coarse SAND. Gravel is angular to subangular slag and concrete. (Fill Material) No groundwater encountered. Terminated due to probable scrap metal obstruction at 1.1m bgl. Borehole reinstated on termination.	1.10	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Concreted cored to 0.90m bgl. 3. Groundwater not encountered.
Method Used: Cable Percussion						Plant Used: Dando 4000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Jagan Raj			Checked By:  AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH306B
Contract Ref: 315531	Start: 24.10.24 End: 11.11.24	Ground Level: ---	National Grid Co-ordinate: ---	Sheet: 1 of 4	

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
1.00	1	ES								CONCRETE with flint aggregate and frequent rebar (5cm).	(0.90)	
										MADE GROUND: dark grey silty SAND and GRAVEL. Gravel is angular to subangular fine to coarse slag, scrap metal and rare red brick. Sand is fine to coarse. (Fill Material)	(1.10)	
										Occasional cobbles of angular slag between 1.7m bgl and 2.0m bgl.	2.00	
										MADE GROUND: Dark grey angular COBBLES and BOULDERS of metallurgic material including scrap metal, steel slabs, plating and slag. (Fill Material)	(1.60)	
										Greyish brown silty fine SAND. (Tidal Flat Deposits)	3.60	
4.50-5.00	1	B										
4.50	2	ES										
5.00-5.45	1	SPT	N=36									
5.00-5.45	2	D										
5.50-6.00	3	B										
6.00-6.45	2	SPT	N=12									
6.00-6.45	4	D										
6.50-7.00	5	B										
7.00-7.15	3	SPT	1/1 for 75mm									
7.00-7.45	6	UT										
7.50-8.00	7	B										
8.00-8.45	4	SPT	N=12									
8.00-8.45	8	D										
8.50-9.30	9	B										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 3.60m depth (23/10/24 to 01/11/24). Borehole advanced with cable percussion to 24.0m bgl (05/11/24) and then rotary open holed to 30.0m bgl (11/11/24)
Method Used: Inspection pit + Cable Percussion + Rotary open hole						Plant Used: 13 Ton Tracked ExcavatorDando 4000 + Fracto			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Jagan Raj			Checked By: AGS

BOREHOLE LOG

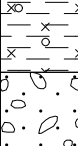
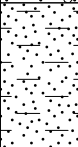
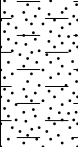
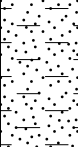
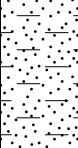
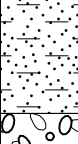
Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH306B
Contract Ref: 315531	Start: 24.10.24	Ground Level: ---	National Grid Co-ordinate: ---		Sheet: 2 of 4
	End: 11.11.24				

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
9.30-9.80	11	B								Greyish brown slightly sandy clayey SILT. Sand is fine. (Tidal Flat Deposits) <i>(stratum copied from 8.50m from previous sheet)</i>	(1.95)	
9.80-10.20	12	B										
10.20-10.65	13	UT									10.45	
10.65-10.80	14	D								Dark brown and brown stiff fibrous PEAT with a strong organic odour. (Tidal Flat Deposits)	(0.55)	
11.00-11.50	15	B								Dark grey clayey firm fibrous PEAT. (Tidal Flat Deposits)	11.00	
11.50-11.95	5	SPT	N=7								(1.50)	
11.50-11.95	16	D										
12.50-13.00	17	B									12.50	
13.00-13.45	18	UT								Dark grey silty CLAY. (Tidal Flat Deposits) . . . Occasional pockets of pseudo-fibrous peat.		
13.45-13.60	19	D										
14.00-14.50	20	B										
14.50-14.58	6	SPT	NP								(4.50)	
14.50-14.95	21	D										
15.50-16.00	22	B										
16.00-16.45	23	UT										
16.45-16.60	24	D										
17.00-17.50	25	B									17.00	
17.50-17.95	7	SPT	N=48							Stiff dark greyish brown gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse mudstone, siltstone and sandstone. (Weathered South Wales Middle Coal Measures)	(1.50)	
17.50-17.95	26	D										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									3. Groundwater encountered at 1.50m depth. Excavation frequently dewatered (30/10/24 - 01/11/24).
Method Used: Inspection pit + Cable Percussion + Rotary open hole						Plant Used: 13 Ton Tracked ExcavatorDando 4000 + Fracto			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Jagan Raj			Checked By: JB 

BOREHOLE LOG

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH306B
Contract Ref:	Start: 24.10.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 11.11.24	---	---	3 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
18.50-19.00	27	B								Very dense dark grey slightly sandy GRAVEL of subangular to subrounded fine to coarse mudstone, siltstone and sandstone. Sand is fine to coarse. (Weathered South Wales Middle Coal Measures)	18.50 (0.50) 19.00	
19.00-19.50	28	B										
19.50-19.95	8	SPT	N=42							Dense to very dense dark greyish brown clayey fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of mudstone, siltstone and sandstone. (Weathered South Wales Middle Coal Measures Formation)		
19.50-19.95	29	D										
20.50-21.00	30	B										
21.00-21.45	9	SPT	N=35								(4.60)	
22.00-22.50	32	B										
22.50-22.88	10	SPT	5,5/7,10,33 for 75mm									
23.60-24.10	34	B									23.60	
24.00-24.45	11	SPT(c)	N=43							Very dense dark greyish brown clayey subangular to subrounded fine to coarse GRAVEL of mudstone, sandstone and siltstone with moderate cobble content. Cobbles are subrounded sandstone. (Weathered South Wales Middle Coal Measures) ... Obstruction of two pale brown subrounded to rounded cobbles of coarse SANDSTONE. Recovered at approximately 24.0m bgl.	(4.20)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks				
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)					
									All dimensions in metres	Scale: 1:50			
Method Used:	Inspection pit + Cable Percussion + Hand Pick			Plant Used:	13 Ton Tracked Excavator Dando 4000 + Forklift		Drilled By:	CJA	Logged By:	Jagan Raj	Checked By:	ZB	AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH306B
Contract Ref: 315531	Start: 24.10.24 End: 11.11.24	Ground Level: ---	National Grid Co-ordinate: ---		Sheet: 4 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
27.00-27.40	12	SPT(c)	20,11/20,21,9,21 for 21mm								27.80	
										MUDSTONE. Recovered as dark greyish brown angular to subangular fine to coarse GRAVEL. (South Wales Middle Coal Measures Formation)	(2.32)	
29.00-29.23	13	SPT(c)	8,17/36,14 for 23mm									
30.00-30.12	14	SPT(c)	25/38,12 for 31mm							Groundwater encountered at 1.50m bgl. Backfilled with bentonite to 3.50m bgl on completion.	30.12	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Inspection pit + Cable Percussion + Rotary open hole		Plant Used: 13 Ton Tracked ExcavatorDando 4000 + Fracto		Drilled By: CJA		Logged By: Jagan Raj		Checked By: AGS		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH307
Contract Ref: 315531	Start: 02.09.24 End: 06.09.24	Ground Level: ---	National Grid Co-ordinate: E:277191.2 N:186662.0		Sheet: 1 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
						Concrete	0.40	
						MADE GROUND. Dark brown sandy angular to subangular GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse of mixed lithologies including slag concrete limestone. Cobbles are angular fine to coarse of slag. Very compact.	(0.60) 1.00	
1.50-1.80	Es1	ES				Medium dense (from 3.00m) yellowish brown gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of weak sandstone. (Blown sands)		
2.50-3.00	1	B						
3.00-3.45	1	SPT(c)	N=13					
3.50-4.00	3	B						
4.00-4.45	2	SPT(c)	N=15			. . . Sand darker brown		
4.50-5.00	5	B					(7.00)	
5.00-5.45	3	SPT(c)	N=11					
5.50-6.00	7	B						
6.00-6.45	4	SPT(c)	N=18					
6.50-7.00	9	B						
7.50-7.95	5	SPT(c)	N=13					
8.00-8.50	11	B				Soft to firm grey slightly sandy silty CLAY. Sand is fine to coarse. (Tidal flat deposits)	8.00	

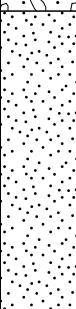
Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit hand dug to 2.4m depth. 3. Groundwater encountered at 2.40m depth.
Method Used: Cable Percussion		Plant Used: Dando 4000		Drilled By: CJA		Logged By: Adam Livesey		Scale: 1:50	
								Checked By: 	

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH307
Contract Ref: 315531		Start: 02.09.24 End: 06.09.24	Ground Level: ---	National Grid Co-ordinate: E:277191.2 N:186662.0	Sheet: 2 of 4

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend				
	No	Type	Results									
9.00-9.45	12	U	21 blows 20% recovery			Soft to firm grey slightly sandy silty CLAY. Sand is fine to coarse. (Tidal flat deposits) <i>(stratum copied from 8.00m from previous sheet)</i>	(3.00)					
9.45-9.50	13	D										
10.50-10.95	6	SPT	N=13									
10.50-10.95	14	D										
11.00-11.50	15	B				Soft to firm grey clayey SILT with medium pseudo fibrous peat content. (Tidal flat deposits)	(0.60)					
						Firm to stiff blackish reddish brown fibrous PEAT. Strong organic odour. (Tidal flat deposits)	11.60					
12.00-12.45	16	U	99 blows 11% recovery					(2.20)				
12.45-12.50	17	D										
13.50-13.95	7	SPT	N=13									
13.50-13.95	18	D										
14.50-15.00	19	B				Soft to firm grey clayey SILT with medium pseudo fibrous peat content. (Tidal flat deposits)	(2.00)					
15.00-15.45	20	U	16 blows 22% recovery					15.80				
15.45-15.50	21	D										
16.00-16.35	8	SPT	N=46							Dense becoming medium dense greyish brown slightly sandy clayey silty GRAVEL. Sand is fine to coarse. Gravel is fine to coarse subrounded to rounded of mixed lithologies including mudstone and sandstone. (Tidal flat deposits)	(4.20)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used: Cable Percussion				Plant Used: Dando 4000		Drilled By: CJA		Logged By: Adam Livesey		Checked By: 	
									All dimensions in metres		Scale: 1:50

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH307
Contract Ref:	Start: 02.09.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 06.09.24	---	E:277191.2 N:186662.0	3 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45	9	SPT	N=12			Dense becoming medium dense greyish brown slightly sandy clayey silty GRAVEL. Sand is fine to coarse. Gravel is fine to coarse subrounded to rounded of mixed lithologies including mudstone and sandstone. (Tidal flat deposits) <i>(stratum copied from 15.80m from previous sheet)</i>		
19.50-19.95	10	SPT	N=11			20.00		
21.00-21.45	11	SPT	N=1			(2.00)		
						22.00		
24.00-24.45	12	SPT	N=41			(4.50)		
25.50-25.75	13	SPT	7,9/17,33 for 20mm	26.50				
Description on next sheet								

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Cable Percussion				Plant Used: Dando 4000			Drilled By: CJA		Logged By: Adam Livesey	Checked By:  AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH307
Contract Ref: 315531	Start: 02.09.24 End: 06.09.24	Ground Level: ---	National Grid Co-ordinate: E:277191.2 N:186662.0		Sheet: 4 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
						Brown gravelly CLAY. Gravel is subangular to rounded fine to coarse of weathered mudstone. (Weathered South Wales Middle Coal Measures Formation). (stratum copied from 26.50m from previous sheet) Mudstone. (South Wales Middle Coal Measures)	(1.10) 27.60	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
Method Used: Cable Percussion				Plant Used: Dando 4000			Drilled By: CJA		Logged By: Adam Livesey		Checked By: 	

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH308
Contract Ref: 315531	Start: 27.08.24 End: 03.09.24	Ground Level: 8.72	National Grid Co-ordinate: E:277155.2 N:186659.0		Sheet: 1 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
1.30	ES1	ES PID	0.0ppm			CONCRETE.	0.40	
1.30						MADE GROUND. Brown sandy angular fine to coarse GRAVEL of various lithologies including limestone, sandstone and slag with medium cobble content. Sand is fine to coarse. Cobbles are angular of slag. Very compact.	(0.50) 0.90	
						MADE GROUND. Black mottled dark brownish grey sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is angular fine to medium of wood and slag. Slight hydrocarbon odour. (Reworked)	(0.60) 1.50	
2.50-3.00	1	B				Loose (from 3.00m) becoming medium dense yellowish brown slightly gravelly fine to coarse SAND. Gravel is angular fine to coarse of weak sandstone. (Blown Sands)		
3.00-3.45	1	SPT(c)	N=9					
3.00-3.50	3	B						
4.00-4.45	2	SPT(c)	N=7				(5.00)	
4.50-5.00	5	B						
5.00-5.45	3	SPT(c)	N=12					
5.50-6.00	7	B				. . . Colour change to dark brown		
6.00-6.45	4	SPT	N=15					
6.00-6.45	8	D					6.50	
6.50-7.00	9	B				Soft to firm grey sandy CLAY. Sand is fine to coarse. (Tidal flat deposits)		
7.50-7.95	10	U	30 blows			. . . Clay becomes silty and soft to very soft	(2.50)	
8.50-9.00	11	B					9.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 2.20m depth. 300mm diameter pipe installed prior to backfilling to allow cable percussive drilling to commence. 3. Groundwater encountered at 2.10m depth.
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 4000			All dimensions in metres Scale: 1:50
						Drilled By: CJA			Logged By: Kieran Bancroft
									Checked By:  AGS



BOREHOLE LOG

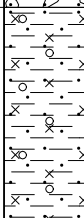
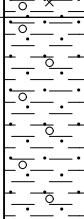
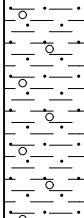
Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH308
Contract Ref: 315531	Start: 27.08.24 End: 03.09.24	Ground Level: 8.72	National Grid Co-ordinate: E:277155.2 N:186659.0		Sheet: 2 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45 9.00-9.45	5 12	SPT D	N=11			Grey sandy clayey SILT. Sand is fine to medium. (Tidal flat deposits)		
9.50-10.00	13	B						
10.50-10.95	14	U	50 blows				(2.90)	
11.50-12.00	15	B					11.90	
12.00-12.45 12.00-12.45	6 16	SPT D	N=9			Firm reddish brown fibrous PEAT. Moderate organic odour. (Tidal flat deposits)		
12.50-13.00	17	B						
13.00-13.45	7	SPT	N=22				(2.50)	
13.50-13.95	18	D					14.40	
14.50-15.00	18	B				Soft to firm grey silty CLAY with rare evidence of fine peat. (Tidal flat deposits)		
15.00-15.45	19	U	14 blows					
16.00-16.50	20	B					(3.10)	
16.50-16.95 16.50-16.95	8 21	SPT D	N=3				17.50	
17.50-18.00	22	B				Description on next sheet		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

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Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH308
Contract Ref:	Start: 27.08.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 03.09.24	8.72	E:277155.2 N:186659.0	3 of 4

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45	9	SPT(c)	N=32			Very dense becoming medium dense brown slightly sandy clayey silty GRAVEL with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to rounded of mudstone, siltstone and sandstone. Cobbles are subangular to subrounded of mudstone. (Weathered South Wales Middle Coal Measures Formation). <i>(stratum copied from 17.50m from previous sheet)</i> ... Gravels and cobbles very loose, casing occasionally drops.	(2.80)	
19.00-19.50	24	B						
19.50-19.95	10	SPT	N=28					
20.50-21.00	26	B				Firm brown slightly sandy gravelly silty CLAY. Sand is fine. Gravel is subangular to rounded fine to coarse of mudstone siltstone and sandstone. (Weathered South Wales Middle Coal Measures Formation).	(1.50)	
21.00-21.45	11	SPT(c)	N=12					
21.50-22.00	28	B						
22.50-22.95	12	SPT(c)	N=28			Stiff brown gravelly slightly sandy CLAY. Sand is fine to coarse. Gravel is subrounded to rounded fine to coarse of mudstone. (Weathered South Wales Middle Coal Measures Formation). ... Increase in gravel	(3.20)	
23.50-24.00	30	B						
24.00-24.45	13	SPT(c)	N=22					
25.00-25.50	32	B				Dense brown sandy fine to coarse GRAVEL. Sand is fine to coarse. Gravel is subangular to subrounded of mudstone and sandstone. (Weathered South Wales Middle Coal Measures Formation).	(1.00)	
25.50-25.95	14	SPT(c)	N=37					
26.50-27.00	34	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Inspection pit + Cable Percussion			Plant Used:	Dando 4000		Drilled By:	CJA	Logged By:	Kieran Bancroft
									Checked By:	 AGS



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH308
Contract Ref: 315531	Start: 27.08.24 End: 03.09.24	Ground Level: 8.72	National Grid Co-ordinate: E:277155.2 N:186659.0		Sheet: 4 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
27.00-27.45	15	SPT(c)	N=44			Firm brown gravelly slightly sandy CLAY. Sand is fine to coarse. Gravel is subrounded to rounded fine to coarse of mudstone. (Weathered South Wales Middle Coal Measures Formation). <i>(stratum copied from 26.00m from previous sheet)</i>		
27.90	36	D					27.90	
28.00-28.15	16	SPT(c)	25/50 for 75mm			Mudstone with coal fragments. (Weathered South Wales Middle Coal Measures)	(0.55)	
							28.45	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH309
Contract Ref: 315531	Start: 22.07.24 End: 25.07.24	Ground Level: 9.17	National Grid Co-ordinate: E:277127.5 N:186684.5		Sheet: 1 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.50-0.60	1	ES				MADE GROUND: dark greyish brown very sandy GRAVEL with low cobble content. Sand is fine to coarse. Gravel is fine to coarse angular to subangular of mixed lithologies including slag, concrete, clinker brick and rebar. Cobbles are angular to subangular of slag and concrete. ... Concrete slab ... Dense compact slag, concrete	(0.60) 0.60 0.80	
1.70-1.80	2	ES				MADE GROUND: Brown gravelly fine to coarse SAND. Gravel is fine to coarse angular to subrounded of slag.	(0.90)	
2.00-2.20	1	B				MADE GROUND: Brown very gravelly SAND with low cobble content. Sand is fine to coarse. Gravel is fine to coarse angular to subangular of mixed lithologies including slag, concrete, clinker brick. Cobbles are angular to subangular of slag and concrete. ... Dense compact slag, concrete ... No cobbles from 1.4	1.70 2.10	
3.00-3.45	1	SPT D	N=7			NATURAL: Yellow slightly gravelly clayey fine to coarse SAND. Gravel is angular to subrounded of sandstone. (BLOWN SAND)		
3.00-3.45	2					Loose becoming medium dense brown fine to coarse SAND. (BLOWN SAND)		
3.50-4.00	3	B						
4.00-4.45	2	SPT D	N=16					
4.00-4.45	4							
4.50-5.00	5	B						
5.00-5.45	3	SPT D	N=25			... Sand becoming silty and clayey.		
5.00-5.45	6							
5.50-6.00	7	B					(6.90)	
6.00-6.45	4	SPT D	N=24					
6.00-6.45	8							
6.50-7.00	9	B						
7.00-7.50	10	B						
7.50-7.95	5	SPT D	N=6					
7.50-7.95	11							
8.00-8.50	12	B						
							9.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
						21.50	22.00	00:45	1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit hand dug to 2.1m depth.
						22.50	22.75	00:45	
						23.10	23.50	00:30	
						27.50	28.30	00:35	
						29.00	30.00	01:00	
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 3000			All dimensions in metres
Drilled By: CJA						Logged By: Adam Livesey			Scale: 1:50
Checked By: AGS									

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH309
Contract Ref: 315531		Start: 22.07.24 End: 25.07.24	Ground Level: 9.17	National Grid Co-ordinate: E:277127.5 N:186684.5	Sheet: 2 of 4

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45	6	SPT	N=5			Soft grey sandy silty CLAY. Sand is fine to coarse. (TIDAL FLAT DEPOSITS) ... Occasional pockets of fibrous peat	(2.00)	
9.50-10.00	14	B						
10.50-10.95	15	D						
11.00-11.50	16	B				Brown fibrous PEAT comprising a soft to firm grey sandy silty CLAY matrix. Sand is fine to coarse. Moderate organic odour. (TIDAL FLAT DEPOSITS)	(1.50)	
12.00-12.50	17	U	42 blows					
12.50-12.65 12.65-13.00	18 19	D B						
13.50-13.95 13.50-13.95	7 20	SPT D	N=7			Grey slightly sandy clayey SILT. Sand is fine to medium. (TIDAL FLAT DEPOSITS)	(3.50)	
14.50-15.00	21	B						
15.00-15.45 15.00-15.45	8 22	SPT D	N=2					
15.50-16.00	23	B				Grey brown slightly gravelly silty CLAY with pockets of fine to medium brown and grey sand. Gravel is subangular to subrounded of mudstone. (Weathered South Wales Middle Coal Measures Formation).	(1.00)	
16.50-17.00	24	U	7 blows					
17.00-17.20 17.20-18.00	25 26	D B						
						Dense greyish brown slightly sandy clayey GRAVEL with low cobble content. Sand is fine to coarse. Gravel is fine to coarse angular to rounded of mudstone and sandstone. (Weathered South Wales Middle Coal Measures Formation).	(1.50)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
									All dimensions in metres	Scale: 1:50	
Method Used:	Inspection pit + Cable Percussion			Plant Used:	Dando 3000		Drilled By:	CJA	Logged By: Adam Livesey	Checked By: 	

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH309
Contract Ref:	Start: 22.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 25.07.24	9.17	E:277127.5 N:186684.5	3 of 4

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Inspection pit + Cable Percussion			Plant Used:	Dando 3000		Drilled By:	CJA	Logged By: Adam Livesey	Checked By:  AGS



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH309
Contract Ref: 315531	Start: 22.07.24 End: 25.07.24	Ground Level: 9.17	National Grid Co-ordinate: E:277127.5 N:186684.5		Sheet: 4 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
27.00-27.35	15	SPT	8,10/15,17,18 for 52mm			MUDSTONE. Recovered as weak grey mudstone. (SOUTH WALES COAL MEASURES).	(3.12)	
27.00-27.45	39	B						
27.50-28.00	40	B						
28.00-28.10	16	SPT	11,14/50 for 8mm					
28.50-29.00	41	B						
29.00-29.80	42	B						
29.80-30.00	43	B						
							30.12	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

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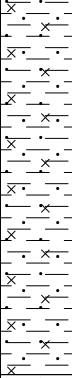
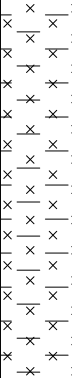
BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH310
Contract Ref: 315531	Start: 03.09.24 End: 05.09.24	Ground Level: 9.34	National Grid Co-ordinate: E:277095.1 N:186653.7		Sheet: 1 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
1.00-1.40	Es1	ES				MADE GROUND. Compact blackish brown sandy clayey GRAVEL. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of mixed lithologies including slag concrete sandstone and occasional metal, rebar and timber. ... Reddish brown buried timber ... Large metal strip	(1.10) 1.10	
						MADE GROUND. Soft to firm dark greyish brown gravelly slightly sandy CLAY with rare pockets of light brown fine to coarse sand. Gravel is angular to subangular of mixed lithologies including slag concrete sandstone. ... Concrete boulder	(1.90) 3.00	
3.50-4.00	1	B				Loose (from 3.00m) becoming very dense light brown gravelly fine to coarse SAND. Gravel is fine to coarse subrounded of weak sandstone. (Blown sands)	(4.00)	
4.00-4.45	1	SPT(c)	N=8					
4.50-5.00	2	B						
5.00-5.45	2	SPT(c)	N=60					
5.00-6.00	3	B						
6.00-6.45	3	SPT(c)	N=66			... Sand becomes a darker brown and clayey.	7.00	
7.00-7.50	4	B				Very soft grey sandy silty CLAY with rare evidence of pseudo fibrous peat. Sand is fine to coarse. (Tidal flat deposits)		
7.50-7.95	5	U	10 blows 22% recovery					
8.50-9.00	6	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit hand dug to 3m depth. 3. Groundwater encountered at 3.31m depth at start of shift 04/09
Method Used: Cable Percussion						Plant Used: Dando 4000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Adam Livesey			Checked By:  AGS

Contract:		Client:		Borehole:	
EAF Meltshop Project		TATA Steel		BH310	
Contract Ref:	Start: 03.09.24	Ground Level:	National Grid Co-ordinate:	Sheet:	
315531	End: 05.09.24	9.34	E:277095.1 N:186653.7	2 of 4	

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45 9.00-9.45	4 7	SPT D	N=4			Very soft grey sandy silty CLAY with rare evidence of pseudo fibrous peat. Sand is fine to coarse. (Tidal flat deposits) <i>(stratum copied from 7.00m from previous sheet)</i>	(4.50)	
10.00-10.50	8	B						
10.50-10.95	9	U	9 blows 22% recovery					
11.00-11.45	5	SPT	N=2					
11.50-12.00	10	B						
12.00-12.50	11	D						
12.60-13.00	12	B						
13.20-13.50	13	B						
13.50-13.95	14	U	13 blows 22% recovery					
13.95-14.05	15	D						
14.50-15.00	16	B				Soft to firm grey clayey SILT with low pseudo fibrous peat content. (Tidal flat deposits)		
15.00-15.45 15.00-15.45	6 17	SPT D	N=2					
16.00-16.50	18	B						
16.50-16.95	19	U	11 blows 22% recovery					
17.50-18.00	20	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Cable Percussion				Plant Used: Dando 4000			Drilled By: CJA		All dimensions in metres	
							Logged By: Adam Livesey		Scale: 1:50	
									Checked By:  	



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH310
Contract Ref: 315531	Start: 03.09.24 End: 05.09.24	Ground Level: 9.34	National Grid Co-ordinate: E:277095.1 N:186653.7		Sheet: 3 of 4

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45 18.00-18.50	7 21	SPT D	N=5			Soft to firm grey clayey SILT with low pseudo fibrous peat content. (Tidal flat deposits) <i>(stratum copied from 14.50m from previous sheet)</i>	(7.30)	
19.00-19.50	22	B	20 blows 22% recovery					
19.50-19.95	23	U						
20.50-21.00	24	B						
21.00-21.45 21.00-21.45	8 25	SPT D	N=5					
21.80-22.50	26	B	N=29					
22.50-22.95	9	SPT(c)						
23.50-24.00	27	B				N=42		
24.00-24.45	10	SPT(c)						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used: Cable Percussion		Plant Used: Dando 4000		Drilled By: CJA		Logged By: Adam Livesey		Checked By: AGS	

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BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH310
Contract Ref: 315531	Start: 03.09.24 End: 05.09.24	Ground Level: 9.34	National Grid Co-ordinate: E:277095.1 N:186653.7		Sheet: 4 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
						Very stiff brown soft to firm gravelly CLAY with medium cobble content. Gravel is fine to coarse subrounded to rounded of mudstone siltstone. Cobbles are rounded of mudstone. (Weathered South Wales Middle Coal Measures Formation). (stratum copied from 21.80m from previous sheet)		
						Rockhead mudstone. (South Wales Middle Coal Measures) ... Very little weathered bedrock before 29.7	29.70	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
Method Used: Cable Percussion				Plant Used: Dando 4000			Drilled By: CJA		Logged By: Adam Livesey		Checked By: 	

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH311
Contract Ref: 315531	Start: 11.07.24 End: 18.07.24	Ground Level: 16.23	National Grid Co-ordinate: E:277024.2 N:186704.4		Sheet: 1 of 5

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.50	1	ES				MADE GROUND: Grey brown clayey subangular to subrounded fine to coarse GRAVEL and COBBLES of slag and clinker.	(0.50)	
1.50	2	ES				MADE GROUND: Dark grey brown fine to coarse SAND and GRAVEL of subangular to subrounded slag, clinker and brick. ... Brown angular cobbles of brick on eastern face of excavation.	(3.20)	
2.50	3	ES						
3.50	4	ES				MADE GROUND: Grey brown slightly gravelly clayey SAND. gravel is subangular to subrounded fine to coarse brick and slag.	(0.50)	
4.20	5	ES				MADE GROUND. Greyish brown clayey GRAVEL. Gravel is angular to subrounded of slag, tarmac.	(0.80)	
4.50-5.00	1	B					5.00	
5.00-5.45	1	SPT(c)	N=12			MADE GROUND. Medium dense grey very gravelly CLAY. Gravel is fine to coarse angular to subrounded of tarmac, mudstone and slag comprising clay matrix.		
5.50-6.00	2	B						
6.45-6.50	3	D					(4.00)	
7.50-7.95	2	SPT	N=4			... Becoming very loose at 7.50mbgl.		
8.00-8.50	4	B				... Occassional cobbles of slag.	9.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
11/07/24			7.00	N/R		19.50	20.00	01:30	1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit mechanically dug to 4.2m depth on 09/07/24 prior to cable percussion borehole. 3. Accidental cpt instead of spt at 7.5m 4. Borehole collapse and redrilling through sand
12/07/24			18.70	N/R	Dry	30.00	32.00	00:30	
17/07/24	08:00	19.50	19.00	N/R	9.00	34.50	35.00	00:30	
18/07/24			36.50	N/R		35.50	36.70	01:20	
19/07/24	08:30	36.50	36.50	N/R	9.00	36.75	37.00	01:00	
Method Used: Cable Percussion						Plant Used: Dando 3000			All dimensions in metres
Drilled By: CJA						Logged By: Jagan Raj			Scale: 1:50
Checked By: 						Checked By: 			



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH311
Contract Ref: 315531	Start: 11.07.24 End: 18.07.24	Ground Level: 16.23	National Grid Co-ordinate: E:277024.2 N:186704.4		Sheet: 2 of 5

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
9.00-9.94	5	B				Blackish grey sandy clayey GRAVEL with medium cobble content of slag. Gravel is angular to subangular of slag. Cobbles subangular to subrounded.	(1.50)	
10.00-10.50	6	B					10.50	
10.50-10.95	3	SPT	N=41			Dense grey clayey fine to medium SAND. (BLOWN SAND)		
11.50-12.00	7	D				. . . Becoming brown with depth.		
12.00-12.45	4	SPT	N=45				(4.50)	
12.00-12.45	8	D						
13.50-13.95	5	SPT	N=40				15.00	
15.00-15.45	6	SPT	N=36			Dense dark brown clayey fine to medium SAND. (BLOWN SAND)	(3.75)	
16.95-17.40	7	SPT(c)	N=46					

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									from 30m to 33m on 18/07/24.
Method Used: Cable Percussion						Plant Used: Dando 3000			All dimensions in metres
						Drilled By: CJA			Scale: 1:50
						Logged By: Jagan Raj			Checked By:

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BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH311
Contract Ref: 315531	Start: 11.07.24 End: 18.07.24	Ground Level: 16.23	National Grid Co-ordinate: E:277024.2 N:186704.4		Sheet: 3 of 5

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45	42	U	99 blows			Dense dark brown clayey fine to medium SAND. (BLOWN SAND) <i>(stratum copied from 15.00m from previous sheet)</i>	18.75	
						Stiff brown fibrous PEAT. (TIDAL FLAT DEPOSITS)	(1.25)	
19.50-19.95	8	SPT D	N=26				20.00	
19.50-19.95	23							
20.00-20.50	24	B				Stiff dark grey sandy silty organic CLAY with occasional pockets of fibrous brown peat (3cm). (TIDAL FLAT DEPOSITS)		
21.00-21.45	9	SPT D	N=34					
21.00-21.45	25							
21.50-22.00	26	B						
22.50-22.95	27	U	28 blows				(6.00)	
24.00-24.45	10	SPT D	N=37					
24.00-24.45	30							
25.00-25.50	31	B						
25.50-25.95	32	U	70 blows					
25.95-26.00	33	D					26.00	
26.00-26.50	34	B				Dense dark grey silty SAND. (TIDAL FLAT DEPOSITS)		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									</	

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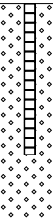
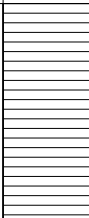
Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH311
Contract Ref: 315531	Start: 11.07.24 End: 18.07.24	Ground Level: 16.23	National Grid Co-ordinate: E:277024.2 N:186704.4		Sheet: 4 of 5

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend			
	No	Type	Results								
27.00-27.45 27.00-27.45 27.45-28.00	11 35 36	SPT D B	N=49			Dense dark grey silty SAND. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 26.00m from previous sheet)</i>	(3.50)				
28.50-28.95 28.50-28.95	12 37	SPT D	N=41						29.50		
29.00-29.50	28	D									
29.50-30.00	29	B					Very stiff dark grey very gravelly CLAY. Gravel is subangular to subrounded fine to coarse siltstone and mudstone with some cobble content of subangular to subrounded mudstone and siltstone. (Weathered South Wales Middle Coal Measures Formation) ... BOULDER encountered at 29.5m bgl.		(0.50)		
30.00-30.23	13	SPT	11,16/50 for 75mm						30.00		
30.00-30.20	30	D					Very dense dark grey sandy fine to coarse GRAVEL of mudstone, sandstone and siltstone. (Weathered South Wales Middle Coal Measures Formation)		(2.50)		
30.50-31.00	31	B									
32.00-32.50	32	D							32.50		
32.50-33.00	33	B					Dark grey brown fine to coarse SAND and subrounded to rounded fine GRAVEL of siltstone, mudstone and sandstone.		(0.50)		
33.00-33.50	34	B							33.00		
33.50-33.95 33.50-33.95	14 35	SPT D	N=31				Dense grey brown clayey subangular to subrounded coarse GRAVEL and subangular to subrounded COBBLES of mudstone. (Weathered South Wales Middle Coal Measures Formation)		(3.00)		
34.00-34.50	36	B									
35.00-35.35	37	D									
35.50-36.00	38	B									
										36.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
</										

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH311
Contract Ref: 315531	Start: 11.07.24 End: 18.07.24	Ground Level: 16.23	National Grid Co-ordinate: E:277024.2 N:186704.4		Sheet: 5 of 5

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
36.50-36.73	15	SPT	10,13/50 for 75mm			MUDSTONE. Recovered as dark grey brown angular to subangular fine to coarse GRAVEL of mudstone. (SOUTH WALES COAL MEASURES)	(1.45)	
36.50-36.75	39	D	NP					
36.75-37.00	40	D						
37.00-37.08	16	SPT(c)						
37.00-37.20	41	B						
Borehole terminated on refusal at 37.2m bgl upon reaching bedrock.							37.45	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

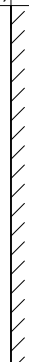
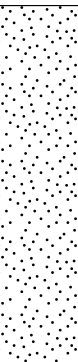
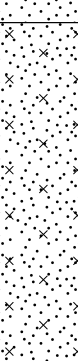
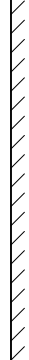
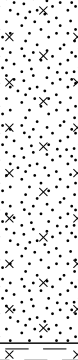
BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH312		
Contract Ref: 315531		Start: 08.07.24	Ground Level: 15.86		National Grid Co-ordinate: E:277040.9 N:186643.8		Sheet: 1 of 5	
		End: 16.07.24						

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
0.50	1	ES								MADE GROUND: grey clayey GRAVEL with some cobble content. Gravel is subangular to subrounded fine to coarse metal, slag, clinker, concrete and rare brick. Cobbles are subrounded slag.	(1.20)	
1.50	2	ES								MADE GROUND: grey brown clayey fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of concrete, brick and slag with moderate ash content.	(1.50)	
2.70	3	ES								MADE GROUND: brown gravelly CLAY. Gravel is subangular to subrounded fine to coarse slag.	(1.00)	
3.00-3.50	1	B										
3.50-4.00	2	B										
3.70	4	ES										
4.00-4.50	3	B								MADE GROUND: dark green grey slightly gravelly CLAY with a slight organic odour. Gravel is subangular to subrounded fine to coarse slag, rubber, plastic, brick. . . . Remains of rubber tyre recovered approximately 1m in diameter.	4.00	
5.00-5.45	1	SPT	N=9							MADE GROUND: Loose (from 5.00m) dark grey clayey fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of brick, clinker and slag with moderate ash content.	(2.00)	
5.00-5.45	5	D										
5.00-5.50	6	B										
5.50-6.00	7	B								. . . Band of dark grey slightly sandy clay. sand is fine to coarse.	6.00	
6.00-6.38	2	SPT	5,6/13,18,19 for 75mm							Very dense yellow brown SAND. (BLOWN SAND)	(0.50)	
6.00	5	ES										
6.00-6.38	8	D								Very dense yellow brown poorly cemented subrounded to rounded coarse GRAVEL of sandstone with some cobble content of like material.	(1.00)	
7.00-7.18	3	SPT	8,17/50 for 45mm									
7.50-7.68	11	D								Very dense yellow brown fine to coarse SAND. (BLOWN SAND)	7.50	
8.50-9.20	12	B										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
09/07/24	16:00	12.00	12.00	N/R	10.00	6.50	6.80	00:30	1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit mechanically dug to 4.1m depth on 08/07/24 prior to cable percussion.
10/07/24	08:30	10.52	12.00	N/R	8.71	7.10	7.30	00:45	
10/07/24	16:00	18.50	18.00	N/R	8.00	8.20	8.30	00:15	
11/07/24	08:30	16.60	18.00	N/R	13.30	30.20	30.50	01:00	
11/07/24	16:00	30.50	30.50	N/R	23.00	30.50	31.50	03:00	
12/07/24	08:30	28.53	30.50	N/R	16.52	31.50	32.20	03:00	
12/07/24	14:00	32.20	32.20	N/R	15.40				
Method Used: Inspection pit + Cable Percussion + Rotary open hole						Drilled By: CJA			All dimensions in metres
Plant Used: Dando 3000 + Beretta T.51						Logged By: Jagan Raj			Scale: 1:50
						Checked By: AGS			

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH312
Contract Ref:	Start: 08.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 16.07.24	15.86	E:277040.9 N:186643.8	2 of 5

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
9.20-9.35	4	SPT	15,10/32,18 for mm							Very dense yellow brown fine to coarse SAND. (BLOWN SAND) <i>(stratum copied from 7.50m from previous sheet)</i>	(4.00)	
9.20-9.45	13	D										
10.00-10.50	14	B										
10.50-11.00	16	B	N=11									
10.95-11.40	5	SPT										
										11.50		
12.00-12.45	6	SPT	N=7							Loose and occasionally medium dense dark green grey silty fine SAND. (TIDAL FLAT DEPOSITS)	(4.50)	
12.00-12.50	19	B										
13.00-13.50	20	B										
13.50-13.95	7	SPT	N=18									
13.50-13.95	21	D										
14.00-14.50	22	B										
14.50-15.00	23	B	N=6									
15.00-15.45	8	SPT										
15.00-15.45	24	D										
16.00-16.50	25	B								Soft dark grey silty CLAY. (TIDAL FLAT DEPOSITS)	(2.00)	
										18.00		

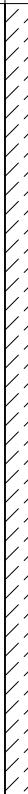
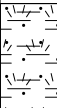
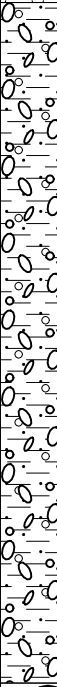
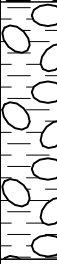
Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Inspection pit + Cable Percussion +		Plant Used:	Dando 3000 + Beretta T.51			Drilled By:	CJA	Logged By:	Jagan Raj
									Checked By:	 AGS

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH312
Contract Ref:	Start: 08.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 16.07.24	15.86	E:277040.9 N:186643.8	3 of 5

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Inspection pit + Cable Percussion +		Plant Used:	Dando 3000 + Beretta T.51			Drilled By:	CJA	Logged By:	Jagan Raj
									Checked By:	 

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH312
Contract Ref:	Start: 08.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 16.07.24	15.86	E:277040.9 N:186643.8	4 of 5

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
27.00-27.45 27.00-27.45	12 39	SPT D	N=14							Firm greyish brown sandy clayey silty PEAT.	(0.70) 27.70	
28.00-28.50	40	B	25,33/17 for 75mm							Firm greyish brown very gravelly sandy silty CLAY with low cobble content. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded of Mudstone siltstone. Cobbles are subangular to subrounded of mudstone siltstone. (Weathered South Wales Middle Coal Measures Formation).	(4.50)	
28.50-29.00	41	D										
31.00-31.50	50	B										
31.50-31.73	13	SPT										
31.50-31.73	51	D										
										BOULDER of sandstone. (Weathered South Wales Middle Coal Measures Formation).	(0.80) 33.00	
										Clay. (Drillers Description) (Weathered South Wales Middle Coal Measures Formation).	(1.70) 34.70	
35.00-35.08	14	SPT(c)	25,33/17/100 for 75mm							Mudstone. (Drillers Description) (SOUTH WALES COAL MEASURES)		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
									All dimensions in metres	Scale: 1:50		
Method Used:	Inspection pit + Cable Percussion +			Plant Used:	Dando 3000 + Beretta T.51		Drilled By:	CJA	Logged By:	Jagan Raj	Checked By:	 AGS



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH312
Contract Ref: 315531	Start: 08.07.24 End: 16.07.24	Ground Level: 15.86	National Grid Co-ordinate: E:277040.9 N:186643.8		Sheet: 5 of 5

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
38.00-38.08	15	SPT(c)	25.33/17/100/100 for 75mm							Mudstone. (Drillers Description) (SOUTH WALES COAL MEASURES) (stratum copied from 34.70m from previous sheet)	(3.75)	
											38.45	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Inspection pit + Cable Percussion + Rotary open hole		Plant Used: Dando 3000 + Beretta T.51		Drilled By: CJA		Logged By: Jagan Raj		Checked By: AGS		All dimensions in metres Scale: 1:50

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BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH313
Contract Ref: 315531	Start: 19.09.24 End: 25.09.24	Ground Level: ---	National Grid Co-ordinate: E:277293.0 N:186650.0		Sheet: 1 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.20-0.80	1	B				CONCRETE	0.20	
0.50	Es1	ES				MADE GROUND : Dark brownish grey to black silty sandy angular fine to coarse GRAVEL of slag, tarmac, brick, concrete. Sand is fine to coarse. Rare angular cobbles of sandstone.	(1.00)	
0.80-1.20	2	B					1.20	
1.00	Es2	ES						
1.20-1.65	1	SPT(c)	N=11			MADE GROUND: Medium dense yellow brown slightly gravelly fine to coarse SAND. Gravel is angular fine to coarse of slag and sandstone. (Reworked natural).		
1.20-1.60	3	B					(1.80)	
1.60-2.00	4	B						
2.00-2.45	2	SPT(c)	N=16					
2.00-2.50	5	B						
2.50-3.00	6	B					3.00	
3.00-3.45	3	SPT(c)	N=7			Loose yellow brown fine to coarse SAND. (BLOWNSAND).		
3.60-4.10	8	B						
4.10-4.55	4	SPT(c)	N=7			. . . Becomes greyish brown at 4.0m bgl		
4.10-4.55	9	D						
4.60-5.10	10	B					(4.00)	
5.10-5.60	11	B						
5.60-6.10	12	B						
6.10-6.55	6	SPT	N=28			. . . Becomes medium dense at 6.1m bgl.		
6.10-6.60	13	B					7.00	
7.00-7.50	14	B				Firm greyish brown silty CLAY. (TIDAL FLAT DEPOSITS)		
7.50-7.95	7	SPT	N=12			. . . Because firm at 7.5m bgl.		
7.50-7.95	15	D						
8.40-8.85	8	SPT	N=12				(3.00)	
8.50-9.00	16	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit hand dug to 1.2m depth. 3. Groundwater encountered at 5.6m depth. 4. Chiselling 26.80-27.00m for 1 hour, Chiselling 27.50-27.80m for 1 hour 15mins.
Method Used: Cable Percussion						Plant Used: Dando 3000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Rachael Lockyer			Checked By:  AGS

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH313
Contract Ref:	Start: 19.09.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 25.09.24	---	E:277293.0 N:186650.0	2 of 4

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45	17	UT	25 blows 100% recovery			Firm greyish brown silty CLAY. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 7.00m from previous sheet)</i>	10.00	
9.45-9.60	18	D						
10.00-10.75	19	B						
10.70-11.15	20	D						
11.60-12.10	21	B						
12.10-12.55	22	UT	46 blows 100% recovery					
12.55-12.70	23	D						
13.00-13.60	24	B						
13.60-14.05	9	SPT	N=5					
13.60-14.05	25	D						
14.50-15.00	26	B						
15.00-15.45	27	UT	8 blows 70% recovery					
15.45-15.60	28	D						
16.00-16.50	29	B						
16.50-16.95	11	SPT	N=8					
16.50-16.95	30	D						
17.50-18.00	31	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Cable Percussion				Plant Used: Dando 3000			Drilled By: CJA		All dimensions in metres	
							Logged By: Rachael Lockyer		Scale: 1:50	
							Checked By: 			

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH313
Contract Ref: 315531	Start: 19.09.24 End: 25.09.24	Ground Level: ---	National Grid Co-ordinate: E:277293.0 N:186650.0		Sheet: 3 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45	32	UT	40 blows 100% recovery			Dense brown subangular to subrounded fine to coarse GRAVEL of mudstone and sandstone. (GLACIOFLUVIAL DEPOSITS)		
18.45-18.60	33	D						
19.00-19.50	34	B					(2.50)	
19.50-19.89	10	SPT	5,7/11,14,16,9 for 15mm					
19.50-19.95	35	D						
20.50-21.00	36	B				Greyish brown clayey slightly sandy subangular to subrounded fine to coarse GRAVEL of mudstone and sandstone. (GLACIOFLUVIAL DEPOSITS).	(0.50)	
21.00-21.45	12	SPT	N=27			Medium dense becoming dense and very dense grey clayey angular fine to coarse GRAVEL and COBBLES of siltstone and mudstone. (Weathered South Wales Middle Coal Measures Formation) ... Becomes medium dense at 21.0m bgl.	21.00	
21.00-21.45	37	D						
22.00-22.50	38	B						
22.50-22.95	13	SPT	N=24					
22.50-22.95	39	D						
23.50-24.00	40	B				Becomes brown with occasional boulders between 26.30-27.7mbgl.		
24.00-24.45	14	SPT	N=45				(6.70)	
24.00-24.45	41	D						
25.00-25.50	42	B						
25.50-25.95	15	SPT	N=46					
25.50-25.95	43	B						
26.50-27.00	44	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
Method Used: Cable Percussion				Plant Used: Dando 3000			Drilled By: CJA		Logged By: Rachael Lockyer		Checked By: 	

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH313
Contract Ref: 315531	Start: 19.09.24 End: 25.09.24	Ground Level: ---	National Grid Co-ordinate: E:277293.0 N:186650.0		Sheet: 4 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
27.00-27.30	16	SPT	25,13/14,23 for 75mm			Medium dense becoming dense and very dense grey clayey angular fine to coarse GRAVEL and COBBLES of siltstone and mudstone. (Weathered South Wales Middle Coal Measures Formation)		
27.00-27.30	45	D				. . . Becomes medium dense at 21.0m bgl.(stratum copied from 21.00m from previous sheet)	27.70	
27.30-27.80	46	B				Greyish brown SILTSTONE.	27.80	
27.80	47	D				Terminated at 27.8mbgl		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
Method Used: Cable Percussion				Plant Used: Dando 3000			Drilled By: CJA		Logged By: Rachael Lockyer		Checked By: 	

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH314
Contract Ref: 315531	Start: 17.07.24 End: 14.08.24	Ground Level: 7.90	National Grid Co-ordinate: E:277380.4 N:186542.3		Sheet: 1 of 3

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.25 0.25	ES1	ES PID	0.0ppm			ASPHALT recovered as gravel and cobbles. MADE GROUND. Medium dense dark greyish brown sandy angular fine to coarse GRAVEL of various lithologies including limestone and slag. Sand is fine to coarse. ... Layer of compacted slag at 0.30m bgl.	0.10	
2.20-2.65	1	SPT(c)	N=10					
2.50-3.00 2.50 2.50	B1 ES2	B ES PID	0.0ppm					
3.00-3.45	2	SPT(c)	N=6				(6.20)	
3.50-4.00	B2	B						
4.00-4.45	3	SPT(c)	N=17					
4.50-5.00	B3	B						
5.00-5.45	4	SPT(c)	N=9					
5.50-6.00 5.50 5.50	B4 ES3	B ES PID	0.0ppm				6.30	
6.00-6.45	5	SPT(c)	N=8					
6.30-6.90 6.30 6.30	B5 ES4	B ES PID	0.0ppm			Firm dark greyish brown black slightly sandy silty CLAY with frequent organic matter. Sand is fine to coarse. Organic matter is angular to subangular fine to coarse pseudo-fibrous to amorphous. Moderate organic odour.	(1.50)	
7.50-7.95	6	SPT	N=4				7.80	
8.50-9.00	B6	B				Soft brownish grey slightly sandy silty CLAY. Sand is fine. Occasional relict rootlets. Slight organic odour.	(1.30)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 2.20m depth. 300mm diameter pipe installed prior to backfilling to allow cable percussive drilling to commence. 3. Groundwater encountered at 1.20m depth.
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 3000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Kieran Bancroft			Checked By:  AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH314
Contract Ref: 315531	Start: 17.07.24 End: 14.08.24	Ground Level: 7.90	National Grid Co-ordinate: E:277380.4 N:186542.3		Sheet: 2 of 3

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45	U1	U	14 blows			Loose brownish grey clayey fine to coarse SAND.	9.10	
9.45-9.50	D2	D					(1.80)	
10.00-10.50	B7	B						
10.50-10.95	7	SPT	N=12			... Becomes medium dense at 10.50m bgl.	10.90	
11.50-12.00	B8	B				Firm dark greyish brown black clayey fibrous PEAT. Strong organic odour.		
12.00-12.45	U2	U	14 blows				(2.30)	
12.45-12.50	D4	D						
13.00-13.50	B9	B					13.20	
13.50-13.95	8	SPT	N=18			Firm to stiff brownish grey silty CLAY.	(1.70)	
14.50-14.90	B10	B					14.90	
15.00-15.45	U3	U	14 blows			Very soft dark grey silty slightly sandy CLAY. Sand is fine to coarse.	(1.60)	
15.45-15.90	D6	D						
16.00-16.50	B11	B					16.50	
17.20-17.70	B12	B				Dense becoming very dense dark brownish grey slightly sandy clayey subangular to rounded fine to coarse GRAVEL of sandstone and mudstone with medium cobble content. Sand is fine. Cobbles are subrounded to rounded of sandstone.(Weathered South Wales Middle Coal Measures Formation). ... Becomes brownish grey at 17.20m bgl.		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									4. SPT hammer 19-5-2023 ($E_r = 74.00\%$) used.
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 3000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Kieran Bancroft			Checked By:  AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH314
Contract Ref: 315531	Start: 17.07.24 End: 14.08.24	Ground Level: 7.90	National Grid Co-ordinate: E:277380.4 N:186542.3		Sheet: 3 of 3

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45	9	SPT(c)	N=48			Dense becoming very dense dark brownish grey slightly sandy clayey subangular to rounded fine to coarse GRAVEL of sandstone and mudstone with medium cobble content. Sand is fine. Cobbles are subrounded to rounded of sandstone.(Weathered South Wales Middle Coal Measures Formation). <i>(stratum copied from 16.50m from previous sheet)</i>		
18.50-19.00	B13	B						
19.50-19.95	10	SPT(c)	N=41					
20.50-21.00	B14	B					(8.84)	
21.00-21.17	11	SPT(c)	10,15/50 for 70mm					
21.50-22.00	B15	B						
22.50-22.65	12	SPT(c)	16,9/50 for 45mm					
24.00-24.23	13	SPT(c)	25/26,24 for 70mm					
25.00-25.34	14	SPT(c)	14,9/17,20,13 for 55mm			Borehole terminated at 25.0m bgl due to refusal.	25.34	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH315
Contract Ref: 315531	Start: 24.07.24 End: 30.07.24	Ground Level: 7.76	National Grid Co-ordinate: E:277381.4 N:186461.5		Sheet: 1 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.80-0.90	ES1	ES PID	0.0ppm			ASPHALT.	0.20	▲▲▲
0.80						MADE GROUND. Greyish brown sandy angular fine to coarse GRAVEL of various lithologies including slag and concrete with low cobble content. Sand is fine to coarse. Cobbles are angular to subrounded of slag and concrete.	0.60	
1.50-2.00	1	B				MADE GROUND. Yellowish brown slightly gravelly clayey fine to medium SAND. Gravel is angular to subrounded fine to coarse of sandstone.	(1.40)	
2.00-2.50	2	B					2.00	
2.00	2	ES PID	0.0ppm			MADE GROUND. Dark brown black sandy angular fine to coarse GRAVEL of various lithologies including red brick and slag. Sand is fine to coarse. Strong hydrocarbon/creosote and sulphurous odour. Oil sheen present.		
2.50-3.00	3	B					(2.00)	
3.00-3.45	1	SPT(c)	N=1			... Becoming very loose at 3.0mbgl.		
3.00	3	ES B					4.00	
3.00-3.50	4	B PID	0.0ppm					
3.50-4.00	5	B						
4.00	4	ES PID	0.0ppm			Medium dense brownish grey clayey fine to coarse SAND. Slight hydrocarbon odour. (TIDAL FLAT DEPOSITS)		
4.00							(3.50)	
4.50-5.00	6	B						
5.00	5	ES B						
5.00-5.50	7	B PID	0.0ppm					
5.00								
6.00-6.45	4	SPT(c)	N=22					
6.00-6.50	8	B						
7.00-7.50	9	B						
7.50-7.95	5	SPT(c)	N=4			Soft greyish brown slightly sandy silty CLAY. Sand is fine to medium. (TIDAL FLAT DEPOSITS)		
7.50-8.00	10	B						
7.50	6	ES PID	0.0ppm					
7.50								
8.50-9.00	11	B				... Sand becomes fine at 8.50m bgl.		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 1.50m depth. 300mm diameter pipe installed prior to backfilling to allow cable percussive drilling to commence. 3. Groundwater encountered at 1.50m depth.
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 3000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Adam Livesey			Checked By: AGS

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH315
Contract Ref: 315531		Start: 24.07.24 End: 30.07.24	Ground Level: 7.76	National Grid Co-ordinate: E:277381.4 N:186461.5	Sheet: 2 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45	1	U	17 blows			Soft greyish brown slightly sandy silty CLAY. Sand is fine to medium. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 7.50m from previous sheet)</i>	(3.30)	
9.45-9.60	1	D						
10.00-10.50	12	B				. . . Becomes brownish grey at 10.0m bgl. Occasional relict rootlets and slight organic odour.		
10.50-10.95	2	D						
10.50-10.95	6	SPT	N=12				10.80	
						Soft to firm dark brownish grey slightly sandy silty CLAY with frequent organic matter. Sand is fine. Organic matter is angular fine to coarse fibrous. Moderate organic odour. (TIDAL FLAT DEPOSITS)		
12.00-12.45	2	U	64 blows					
12.45-12.60	3	D						
13.00-13.50	13	B				. . . Becomes brownish grey with occasional organic matter from 13.0m bgl. Organic matter is angular fine to medium pseudo-fibrous to amorphous.		
13.50-13.95	7	SPT	N=5				(6.00)	
14.50-15.00	14	B						
15.00-15.45	3	U	21 blows					
15.45-15.60	4	D						
16.60-17.05	5	D						
16.60-17.05	8	SPT	N=17				16.80	
						Medium dense becoming dense greyish brown sandy clayey angular to subrounded fine to coarse GRAVEL of sandstone and mudstone with high cobble content. Sand is fine to coarse. Cobbles are angular to subrounded of sandstone. (Weathered South Wales Middle Coal Measures)		
17.50-18.00	15	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used:		Inspection pit + Cable Percussion		Plant Used:		Dando 3000		Drilled By:		CJA	
Logged By:		Adam Livesey		Checked By:							

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH315
Contract Ref:	Start: 24.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 30.07.24	7.76	E:277381.4 N:186461.5	3 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45 18.00-18.45	6 9	D SPT	N=39			Medium dense becoming dense greyish brown sandy clayey angular to subrounded fine to coarse GRAVEL of sandstone and mudstone with high cobble content. Sand is fine to coarse. Cobbles are angular to subrounded of sandstone. (Weathered South Wales Middle Coal Measures) <i>(stratum copied from 16.80m from previous sheet)</i> ... Becomes more clayey between 19.0m and 22.0m bgl.	(8.20)	
19.00-19.50	16	B						
19.50-19.95 19.50-19.92	7 10	D SPT	3,10/16,9,11,14 for 45mm					
20.50-21.00	17	B						
21.00-21.45 21.00-21.20	8 11	D SPT	14,11/35,15 for 10mm					
22.00-22.50	18	B						
22.50-22.74	12	SPT	11,16/36,14 for 10mm					
25.50-25.73	13	SPT	12,12/50 for 75mm		Very dense brown clayey slightly sandy GRAVEL of fine to coarse mudstone and sandstone with high cobble content. Sand is fine to coarse. Cobbles are angular to subrounded sandstone. (Weathered South Wales Middle Coal Measures)	25.00		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Inspection pit + Cable Percussion			Plant Used:	Dando 3000		Drilled By:	CJA	Logged By: Adam Livesey	Checked By:  AGS

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH315
Contract Ref: 315531		Start: 24.07.24 End: 30.07.24	Ground Level: 7.76	National Grid Co-ordinate: E:277381.4 N:186461.5	Sheet: 4 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
27.00-27.10	14	SPT	20,5/50 for 9mm			Very dense brown clayey slightly sandy GRAVEL of fine to coarse mudstone and sandstone with high cobble content. Sand is fine to coarse. Cobbles are angular to subrounded sandstone. (Weathered South Wales Middle Coal Measures) <i>(stratum copied from 25.00m from previous sheet)</i> ... Becomes more clayey between 27.5m and 28.0m bgl.	(5.10)	
28.50-28.75	15	SPT	16,11/15,35 for 29mm					
30.00-30.05	16	SPT	25/50 for 27mm					
						Terminated at 30.10m depth.	30.10	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks												
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)													
										All dimensions in metres		Scale: 1:50									
Method Used:		Inspection pit + Cable Percussion		Plant Used:		Dando 3000		Drilled By:		CJA		Logged By:		Adam Livesey		Checked By:					

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH316
Contract Ref: 315531	Start: 15.07.24 End: 16.07.24	Ground Level: 7.39	National Grid Co-ordinate: E:277450.4 N:186389.0		Sheet: 1 of 1

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.60 0.60	ES1	ES PID	0.0ppm			MADE GROUND. Dark brown sandy angular fine to coarse GRAVEL of various lithologies including limestone and slag. Sand is fine to coarse.	(0.70) 0.70	
						CONCRETE with void below to 3.0m bgl. Water within inspection chamber.	(2.30) 3.00	
						Inspection pit terminated at 0.70mbgl due to void.		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 0.70m depth. Void encountered at 0.70m bgl.
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 4000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Kieran Bancroft			Checked By:  AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH316a
Contract Ref: 315531	Start: 16.07.24 End: 24.07.24	Ground Level: 7.39	National Grid Co-ordinate: E:277450.4 N:186389.0		Sheet: 1 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
1.70 1.70	ES1	ES PID	0.0ppm			MADE GROUND. Dark brown sandy angular fine to coarse GRAVEL of various lithologies including limestone and slag. Sand is fine to coarse. ... Layer of compacted slag at 0.90m bgl. Recovered as cobbles and boulders.	(1.50) 1.50	
2.60-3.00 2.60 2.60	B1 ES2	B ES PID	0.0ppm N=11			MADE GROUND. Dark brownish grey slightly gravelly clayey fine to coarse SAND. Gravel is angular fine to coarse of red brick and slag. Slight hydrocarbon odour.	(1.80)	
3.00-3.45 3.30 3.30	1 ES3	SPT(c) B ES PID	0.0ppm			... Becoming medium dense at 3.00mbgl. Loose greyish brown silty fine to medium SAND. (BLOWN SAND)	3.30	
4.50-5.00 5.00-5.45	B3 3	B SPT(c)	N=10			... Becoming loose at 5.00mbgl.	(4.40)	
5.50-6.00 5.50 5.50	B4 ES4	B ES PID	0.0ppm N=5			... Becomes dark grey fine at 7.0m bgl. Slight organic odour.	7.70	
6.00-6.45 7.00-7.50	4 B5	SPT(c) B	N=2			... Becoming very loose at 7.50mbgl.	8.00	
7.50-7.95 7.70-8.00	5 B6	SPT(c) B				Very soft dark brownish grey mottled black brown slightly sandy silty CLAY. Sand is fine. Frequent relict rootlets and organic matter. Slight organic odour. (TIDAL FLAT DEPOSITS)	8.40	
8.40-9.00	B7	B				Greyish brown fine to coarse SAND. (TIDAL FLAT DEPOSITS) <i>Description on next sheet</i>		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 2.20m depth. 300mm diameter pipe installed prior to backfilling to allow cable percussive drilling to commence. 3. Groundwater encountered at 2.10m depth.
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 4000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Kieran Bancroft			Checked By:  AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH316a
Contract Ref: 315531	Start: 16.07.24 End: 24.07.24	Ground Level: 7.39	National Grid Co-ordinate: E:277450.4 N:186389.0		Sheet: 2 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45	U1	U	11 blows 100% recovery			Very soft brownish grey sandy silty CLAY. Sand is fine to medium. (TIDAL FLAT DEPOSITS) (stratum copied from 8.40m from previous sheet)	(2.90)	
9.45-9.55	D1	D						
10.00-10.50	B8	B						
10.50-10.95	6	SPT	N=2					
11.30-12.00	B9	B				Very soft brownish grey dark brown sandy silty CLAY with frequent organic matter. Sand is fine to coarse. Organic matter is angular fine to coarse fibrous. Moderate organic odour. (TIDAL FLAT DEPOSITS) ... Organic matter becomes rare and pseudo-fibrous to amorphous from 12.50.	11.30	
12.00-12.45	U2	U	28 blows 100% recovery					
12.45-12.55	D3	D						
13.00-13.50	B10	B						
13.50-13.95	7	SPT	N=2				(4.70)	
14.50-15.00	B11	B						
15.00-15.45	U3	U	9 blows 100% recovery					
15.45-15.55	D5	D						
16.00-16.50	B12	B				Dense greyish brown sandy clayey angular to subrounded fine to coarse GRAVEL of mudstone/siltstone and sandstone with high cobble content. Sand is fine to coarse. Cobbles are angular to subrounded of mudstone/siltstone and sandstone. (Weathered South Wales Middle Coal Measures)	16.00	
16.50-16.95	8	SPT(c)	N=31					
17.50-18.00	B13	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									4. Upon completion borehole backfilled with bentonite pellets.

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH316a
Contract Ref:	Start: 16.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 24.07.24	7.39	E:277450.4 N:186389.0	3 of 4

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45	9	SPT(c)	N=35			Dense greyish brown sandy clayey angular to subrounded fine to coarse GRAVEL of mudstone/siltstone and sandstone with high cobble content. Sand is fine to coarse. Cobbles are angular to subrounded of mudstone/siltstone and sandstone. (Weathered South Wales Middle Coal Measures) <i>(stratum copied from 16.00m from previous sheet)</i>	(12.22)	
19.00-19.50	B14	B						
19.50-19.95	10	SPT(c)	N=36					
20.50-21.00	B15	B						
21.00-21.45	11	SPT(c)	N=30					
22.00-22.50	B16	B						
22.50-22.95	12	SPT(c)	N=59			. . . Becomes very dense between 22.5m and 24.0m bgl.		
23.50-24.00	B17	B						
24.00-24.45	13	SPT(c)	N=50					
25.00-25.50	B18	B						
25.50-25.95	14	SPT(c)	N=33			. . . Becoming dense at 25.50mbgl		
26.50-27.00	B19	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks						
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)							
Method Used:		Inspection pit + Cable Percussion		Plant Used:			Dando 4000		Drilled By:	CJA	Logged By:	Kieran Bancroft	Checked By:		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH316a
Contract Ref: 315531	Start: 16.07.24 End: 24.07.24	Ground Level: 7.39	National Grid Co-ordinate: E:277450.4 N:186389.0		Sheet: 4 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
27.50-28.00	B20	B				Dense greyish brown sandy clayey angular to subrounded fine to coarse GRAVEL of mudstone/siltstone and sandstone with high cobble content. Sand is fine to coarse. Cobbles are angular to subrounded of mudstone/siltstone and sandstone. (Weathered South Wales Middle Coal Measures) <i>(stratum copied from 16.00m from previous sheet)</i>		
28.00-28.22	16	SPT(c)	25/45,38,17 for 32mm			Borehole terminated at 28.0m bgl.	28.22	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH317
Contract Ref: 315531	Start: 07.06.24	Ground Level: 6.76	National Grid Co-ordinate: E:277542.9 N:186261.9		Sheet: 1 of 8
End: 27.06.24					

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.50-1.00	1	B								MADE GROUND. Dark brown sandy angular fine to coarse GRAVEL of various lithologies including red brick, limestone, slag and wood.			
0.70	1	ES											
0.70		PID	0.0ppm									(2.20)	
1.40-1.70	1	SPT(c)	7,12/25,25 for 75mm							. . . Frequent angular cobbles of slag at 1.70m bgl.			
1.50	2	ES											
1.50-2.00	2	B										2.20	
1.50		PID	0.0ppm							MADE GROUND. Medium dense yellowish greyish brown slightly gravelly clayey fine to coarse SAND. Gravel is angular fine to coarse of slag.			
2.00-2.45	2	SPT(c)	N=18										
2.20	3	ES										(0.90)	
2.20-2.70	3	B								MADE GROUND. Loose dark brownish grey sandy clayey angular fine to coarse GRAVEL of various lithologies including red brick, slag and coal.			
2.20		PID	0.0ppm									3.10	
3.00-3.45	3	SPT(c)	N=8									(0.60)	
3.30	4	ES								MADE GROUND. Dark brownish grey gravelly fine to coarse SAND. Gravel is angular fine to coarse of various lithologies including red brick, slag and coal.			
3.30		PID	0.0ppm									3.70	
4.00-4.45	4	SPT(c)	N=21									4.10	
4.00-4.50	4	B								Firm to stiff brownish grey sandy silty CLAY with pockets of grey clayey fine to coarse sand. Sand is fine to coarse. Frequent rootlets/organic matter. Slight organic odour. (TIDAL FLAT DEPOSITS) . . . Becomes brownish grey mottled black at 5.45m bgl. Rare rootlets/organic matter.			
4.10	5	ES											
4.10		PID	0.0ppm										
5.00-5.45	1	U	11 blows 33% recovery							. . . Becomes slightly sandy at 7.95m bgl. Sand is fine.			
5.45-5.50	1	D											
6.00-6.45	2	D											
6.00-6.45	6	SPT	N=1									(4.80)	
6.50-7.00	5	B											
6.50	6	ES											
6.50		PID	0.0ppm										
7.50-7.95	2	U	12 blows 60% recovery										
7.95-8.00	3	D											

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 1.20m depth. 3. Rotary coring commenced at 27.50m bgl.
Method Used: Inspection pit + Cable Percussion + Rotary Corer						Plant Used: Dando 2000 + Fraste			All dimensions in metres
Drilled By: CJA						Logged By: Kieran Bancroft			Scale: 1:50
						Checked By: JB			AGS

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH317
Contract Ref:	Start: 07.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 27.06.24	6.76	E:277542.9 N:186261.9	2 of 8

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH317
Contract Ref:	Start: 07.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 27.06.24	6.76	E:277542.9 N:186261.9	3 of 8

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
18.00-18.45	10	SPT	N=30							Very dense dark brownish grey sandy clayey angular to subrounded fine to coarse GRAVEL and COBBLES of sandstone. Sand is fine to coarse. (Weathered South Wales Middle Coal Measures Formation).		18.20	
19.00-19.50	13	B	8,7/16,19,15 for 75mm									(4.40)	
19.50-19.88	11	SPT											
19.50-20.00	14	B											
21.00-21.45	12	SPT	N=35										
22.00-22.50	15	B											
22.50-22.95	13	SPT	N=36										
23.00-23.50	16	B											
												(0.90)	
												23.50	
										Multicoloured (red, grey and brown) sandy angular to rounded fine to coarse GRAVEL and COBBLES of sandstone and mudstone. Sand is fine to coarse. (Weathered South Wales Middle Coal Measures Formation).		(4.00)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Inspection pit + Cable Percussion +		Plant Used: Dando 2000 + Fraste		Drilled By: CJA		Logged By: Kieran Bancroft		Checked By:  AGS		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH317	
Contract Ref: 315531		Start: 07.06.24	Ground Level: 6.76		National Grid Co-ordinate: E:277542.9 N:186261.9		Sheet: 4 of 8
		End: 27.06.24					

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
27.50-29.00	14	SPT	NP	93	31	0	8 35 90 FI=21			Medium strong to strong dark grey unweathered fine SANDSTONE/SILTSTONE. Rare subrounded to rounded coarse sandstone inclusions. Occasional very thin laminations of coal/organic mudstone.		27.50	
29.00-30.50				60	36	36	60 170 230 FI=5						
30.50-32.00				75	75	46	60 150 210 FI=7					(7.50)	
30.50-30.58				96	56	19	35 80 200 FI=12						
32.00-33.50	15	SPT	NP	93	77	31	15 75 150 FI=17			... Inclusions no longer present from 32.0m bgl.			
33.50-35.00				95	37	32							
33.50-33.58													
35.00-36.00												35.00	
										Weak black partially unweathered COAL.			

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH317		
Contract Ref: 315531		Start: 07.06.24 End: 27.06.24		Ground Level: 6.76		National Grid Co-ordinate: E:277542.9 N:186261.9		Sheet: 5 of 8

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
36.50-38.00 36.50-36.73	16	SPT	11,12/100 for 75mm	40	0	0				Weak black partially unweathered COAL. (stratum copied from 35.00m from previous sheet) ... Becomes destructured at 36.5m bgl (potentially carbonaceous mudstone)		(3.00)	
38.00-39.50										Medium strong brownish grey unweathered MUDSTONE. Frequent angular fine to coarse fossilised organic matter inclusions. ... Fossilised organic matter inclusions no longer present from 38.4m bgl. ... Becomes laminated with fine sandstone/siltstone between 38.9m and 39.4m bgl ... Becomes weak and partially unweathered at 39.10m bgl.		38.00	
39.50-41.00 39.50-39.58	17	SPT	NP	92	47	32				Weak to moderately weak black unweathered to partially unweathered COAL.		(0.50)	
41.00-42.50				97	97	97				Strong grey unweathered SILTSTONE. Frequent angular fine to coarse fossilised organic matter inclusions.		(2.30)	
42.50-44.00 42.50-42.58	18	SPT	NP	68	46	30				... Becomes medium strong at 42.50m bgl.		42.90	
44.00-45.50				90	90	70				Weak black partially unweathered to destructured COAL. Strong brownish grey unweathered fine SANDSTONE/SILTSTONE. Occasional subrounded fine to coarse medium sandstone inclusions and lenses. Frequent angular fine to coarse fossilised organic matter inclusions.		43.10	
												(2.80)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH317
Contract Ref: 315531	Start: 07.06.24 End: 27.06.24	Ground Level: 6.76	National Grid Co-ordinate: E:277542.9 N:186261.9		Sheet: 6 of 8

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
45.50-47.00 45.50-45.58	19	SPT	NP	90	90	70						45.90	
				80	58	32	25 80 200 FI=14			Medium strong dark brownish grey unweathered to distinctly weathered MUDSTONE. occasional subrounded fine to coarse inclusions of fine to medium sandstone. ... Frequent angular fossilised organic matter inclusions between 45.95-46.10m bgl.			
47.00-48.50				71	0	0	80			... Becomes extremely weak to weak distinctly weathered at 47.3m bgl. Frequent laminations of organic mudstone/coal		(4.10)	
48.50-50.00 48.50-48.58	20	SPT	NP	100	0	0	20 175					50.00	
50.00-51.50				98	51	36	30 100 190 FI=8			Medium strong to strong brownish grey partially unweathered fine SANDSTONE. Occasional fossilised organic matter inclusions.		(1.60)	
51.50-53.00 51.50-51.58	21	SPT	NP	53	12	0				Weak black unweathered COAL. ... Becomes dark grey destructured (potentially carbonaceous mudstone).		51.60 52.00	
										Strong to very strong pale grey unweathered fine to medium SANDSTONE. Occasional veins of quartzite.		(1.00)	
53.00-54.50				60	0	0				Medium strong dark brownish grey unweathered to partially unweathered SILTSTONE with thin laminations of fine sandstone and carbonaceous mudstone ... Laminations no longer present at 53.5m bgl.		53.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH317
Contract Ref: 315531	Start: 07.06.24	Ground Level: 6.76	National Grid Co-ordinate: E:277542.9 N:186261.9		Sheet: 7 of 8
End: 27.06.24					

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
54.50-56.00 54.50-54.65	22	SPT	NP	60	0	0				Medium strong dark brownish grey unweathered to partially unweathered SILTSTONE with thin laminations of fine sandstone and carbonaceous mudstone (<i>stratum copied from 53.00m from previous sheet</i>)			x x x x
				0	0	0	40 70 130 FI=14			Becomes fine SANDSTONE/SILTSTONE.	[i]	(4.50)	x x x x
56.00-57.50				33	0	0							x x x x
57.50-59.00 57.50-57.73	23	SPT	25,20/100 for 75mm	40	0	0				Medium strong brownish grey partially unweathered fine SANDSTONE. Frequent very thin laminations of carbonaceous mudstone. . . . Frequent very thin laminations of organic mudstone at 57.5m bgl.		57.50	x x x x
59.00-60.50				0	0	0				Medium strong brownish grey partially unweathered fine SANDSTONE. Frequent very thin laminations of carbonaceous mudstone.		(1.50)	x x x x
60.50-62.00 60.50-60.58	24	SPT	NP	0	0	0				Medium strong brownish grey partially unweathered fine SANDSTONE. Frequent very thin laminations of carbonaceous mudstone.		59.00	x x x x
62.00-63.50				0	0	0				COAL. (Drillers description)		60.50	x x x x
				0	0	0						(1.50)	x x x x
												62.00	x x x x

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH317		
Contract Ref: 315531		Start: 07.06.24 End: 27.06.24		Ground Level: 6.76		National Grid Co-ordinate: E:277542.9 N:186261.9		Sheet: 8 of 8

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
63.50-65.00 63.50-63.95	25	SPT	N=75	0	0	0				COAL. (Drillers description) (stratum copied from 62.00m from previous sheet)		(3.00)	
65.00-66.50				0	0	0				Medium strong brownish grey partially unweathered fine SANDSTONE. Frequent very thin laminations of carbonaceous mudstone.		65.00 (1.63)	
66.50-66.58	26	SPT	NP							Terminated at 66.63m bgl		66.63	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Inspection pit + Cable Percussion + Rotary Core		Plant Used: Dando 2000 + Fraste		Drilled By: CJA		Logged By: Kieran Bancroft		Checked By: JB		Scale: 1:50

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH318
Contract Ref: 315531	Start: 29.08.24 End: 02.09.24	Ground Level: 6.77	National Grid Co-ordinate: E:277579.4 N:186007.2		Sheet: 1 of 3

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.30 0.30	ES1	ES PID	0.0ppm			Grass over dark grey black sandy silty clay TOPSOIL. Sand is fine to medium.	0.20	
0.90 0.90	ES2	ES PID	0.0ppm			MADE GROUND. Dark brown black gravelly clayey coarse SAND. Gravel is angular to subrounded fine to coarse of various lithologies including red brick, coal, concrete and slag. ... Becomes reddish brown dark brown black with medium cobble content at 0.70m bgl. Cobbles are angular of red brick and slag. ... Becomes light brown to dark brown at 0.90m bgl.	(1.10) 1.30	
1.50 1.50	ES3	ES PID	0.0ppm			MADE GROUND. Loose yellowish brown coarse SAND. (Fill)	(2.30)	
2.50-3.00	1	B						
3.00-3.45 3.00-3.45	1 2	SPT D	N=11				3.60	
3.60-4.10	3	B				MADE GROUND. Medium dense becoming dense dark grey slightly sandy angular to subangular fine to coarse GRAVEL of slag with high cobble content. Cobbles are angular of slag.	(2.40)	
4.10-4.55 4.10-4.55	2 4	SPT D	N=20				6.00	
4.60-5.00	5	B						
5.00-5.45 5.00-5.45	3 6	SPT D	N=38					
5.50-6.00	7	B						
6.00-6.45 6.00-6.45	4 8	SPT D	N=12			Firm grey sandy slightly gravelly silty CLAY. Sand is fine. Gravel is angular fine to coarse of mudstone. (Tidal Flat Deposits)	(2.20)	
7.00-7.50	9	B						
7.50-7.95 7.50-7.95	5 10	SPT D	N=2			... Becomes very soft at 7.50m bgl. ... Gravel no longer present from 8.0m bgl.	8.20	
8.50-9.00	11	B				Firm brown PEAT. (Driller's description) (Tidal Flat Deposits)	(1.50)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 2.50m depth. 300mm diameter pipe installed prior to backfilling to allow cable percussive drilling to commence. 3. Groundwater encountered at 3.0m depth.
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 3000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Kieran Bancroft			Checked By:  AGS

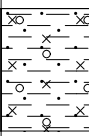
Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH318
Contract Ref: 315531		Start: 29.08.24 End: 02.09.24	Ground Level: 6.77	National Grid Co-ordinate: E:277579.4 N:186007.2	Sheet: 2 of 3

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
9.00-9.07	6	SPT	25/50 for 45mm		Firm brown PEAT. (Driller's description) (Tidal Flat Deposits) <i>(stratum copied from 8.20m from previous sheet)</i>	9.70		
9.00-9.06	12	D						
9.00-9.50	13	B						
10.00-10.50	14	B			Very soft grey silty CLAY. Occasional brown dark brown fine to medium fragments of relict rootlets and organic matter. Slight organic odour. (Tidal Flat Deposits)	(6.30)		
10.50-10.95	7	SPT	N=2					
10.50-10.95	15	D						
11.50-12.00	16	B						
12.00-12.45	8	SPT	N=2					
12.00-12.45	17	D						
13.00-13.50	18	B						
13.50-13.95	9	SPT	N=4					
13.50-13.95	19	D						
14.50-15.00	20	B						
15.00-15.45	10	SPT	N=5					
15.00-15.45	21	D						
16.00-16.50	22	B			... Becomes soft at 15.0m bgl.			16.00
16.50-16.95	11	SPT	N=23					
16.50-16.95	23	D						
17.50-18.00	24	B			... Becomes sandy gravelly at 17.50m bgl.			

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Inspection pit + Cable Percussion			Plant Used:	Dando 3000		Drilled By:	CJA	Logged By:	Kieran Bancroft
									Checked By:	 AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH318
Contract Ref: 315531	Start: 29.08.24 End: 02.09.24	Ground Level: 6.77	National Grid Co-ordinate: E:277579.4 N:186007.2		Sheet: 3 of 3

Depth (m)	Samples & Testing			Backfill & Instru-mentation	Water	Description of Strata	Depth (Thick ness)	Material Graphic Legend
	No	Type	Results					
18.00-18.31 18.00-18.31	12 25	SPT D	N=53			Stiff greyish brown slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of sandstone. (Tidal Flat Deposits) <i>(stratum copied from 16.00m from previous sheet)</i>		
18.80-18.81 18.80-18.80	13 26	SPT(c) D	NP			Borehole terminated at 18.81m bgl due to refusal on slag boulder that had been driven down from approximately 6.0m bgl during the course of the drilling.	18.81	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH319
Contract Ref: 315531	Start: 19.06.24 End: 24.06.24	Ground Level: 6.51	National Grid Co-ordinate: E:277496.5 N:185941.0		Sheet: 1 of 3

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.50 0.50 0.50	1 ES1	B ES PID	0.0ppm			MADE GROUND: Medium dense dark brown sandy angular fine to coarse GRAVEL of brick and sand. Sand is fine to coarse. Medium angular cobble content of slag (upto 20cm long).	(2.50)	
1.50 1.50 1.50	2 ES2	B ES PID	0.4ppm					
2.00-2.45	1	SPT(c)	N=14				2.50	
2.50 2.50 2.50	3 ES3	B ES PID	0.1ppm			Medium dense brown fine to coarse SAND. (BLOWN SAND)		
3.00-3.45	2	SPT(c)	N=17				(2.00)	
3.50	4	B						
4.00-4.45	3	SPT(c)	N=4			. . . Becoming loose at 4.0mbgl.	4.50	
4.50 4.50 4.50	5 ES4	B ES PID	0.0ppm			Very soft grey sandy silty CLAY. Sand is fine to coarse. (TIDAL FLAT DEPOSITS)		
5.00-5.45	6	U	11 blows 22% recovery					
5.45	7	D						
6.00-6.45 6.00	4 8	SPT D	N=3					
6.50	9	B						
7.50-7.95	10	U	18 blows 18% recovery					

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
20/06/24		7.00	5.00	N/R	3.80	1.60	1.90	00:05	1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit hand dug and mechanically excavated to 1.2mbgl.
21/06/24		18.00	18.00	N/R	12.90	17.20	17.80	01:20	
24/06/24		21.60	19.60	N/R	3.30	18.20	18.90	01:50	
						21.10	21.60	02:00	
						21.60	21.80	00:30	
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 2500			All dimensions in metres
						Drilled By: CJA			Scale: 1:50
						Logged By: Rachael Lockyer			Checked By: 
									

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH319
Contract Ref: 315531		Start: 19.06.24 End: 24.06.24	Ground Level: 6.51	National Grid Co-ordinate: E:277496.5 N:185941.0	Sheet: 2 of 3

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45	5	SPT	N=3			Very soft grey sandy silty CLAY. Sand is fine to coarse. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 4.50m from previous sheet)</i>	(12.00)	
9.50 9.50	ES4	ES PID	0.0ppm					
10.50-10.95	11	U	99 blows 4% recovery					
10.95	12	D						
12.00-12.45 12.00	6 13	SPT D	N=6					
12.50	14	B						
13.50-13.95	15	U	99 blows 3% recovery					
13.95	16	D						
15.00-15.45 15.00	7 17	SPT D	N=6					
15.50	18	B						
16.50-16.95 16.50	8 19	SPT(c) B	N=29			Medium dense brown clayey/silty sandy angular to subrounded fine to coarse GRAVEL of mudstone. (Weathered South Wales Middle Coal Measures Formation)	16.50 (0.50)	
						Very dense brown clayey subangular to subrounded fine to coarse GRAVEL and COBBLES of mudstone (upto 20cm). (Weathered South Wales Middle Coal Measures Formation)	17.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks						
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)							
Method Used:		Inspection pit + Cable Percussion		Plant Used:			Dando 2500		Drilled By:	CJA	Logged By:	Rachael Lockyer	Checked By:		

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH319
Contract Ref:	Start: 19.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 24.06.24	6.51	E:277496.5 N:185941.0	3 of 3

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45	9	SPT(c)	N=50			Very dense brown clayey subangular to subrounded fine to coarse GRAVEL and COBBLES of mudstone (upto 20cm). (Weathered South Wales Middle Coal Measures Formation) <i>(stratum copied from 17.00m from previous sheet)</i> ... Becoming dense at 18.00mbgl.	(4.30)	
18.50	20	B						
19.50-19.95	10	SPT(c)	N=35					
20.00	21	B						
21.00-21.38	11	SPT(c)	6,9/14,20,16 for 75mm					
21.80-22.18	12	SPT(c)	25,60/44,6.5 for 75mm					
						MUDSTONE recovered as angular to subangular fine to coarse GRAVEL. (SOUTH WALES COAL MEASURES)	21.30	
							(0.95)	
							22.25	
						Terminated at 21.8mbgl.		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used:		Inspection pit + Cable Percussion		Plant Used:		Dando 2500		Drilled By:		CJA	
								Logged By:		Rachael Lockyer	
								All dimensions in metres		Scale: 1:50	
								Checked By:		 	

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH320
Contract Ref: 315531	Start: 18.06.24 End: 28.06.24	Ground Level: 5.87	National Grid Co-ordinate: E:277580.0 N:185834.0		Sheet: 1 of 7

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.00-1.20	1	B								MADE GROUND. Black gravelly SAND with high ash content, occasional rootlets and slightly charred odour. Sand is fine. Gravel is subangular to subrounded fine to coarse slag.		(1.20)	
0.50	1	ES PID	0.0ppm									1.20	
1.20-1.65	1	SPT(c)	N=6							MADE GROUND. Black slightly sandy subangular to subrounded fine to coarse GRAVEL of slag with high ash content.		1.50	
1.20-1.50	3	B										(0.50)	
1.50	2	ES								MADE GROUND. Grey brown mottled orange and black friable silty CLAY.		2.00	
1.50-2.00	4	B PID	0.0ppm									(1.00)	
1.50										MADE GROUND. Dense dark grey silty COBBLES of subangular to subrounded slag.		3.00	
2.00-2.45	2	SPT	N=38										
2.00-2.45	5	D											
2.50-3.10	6	B											
3.10-3.55	3	SPT	N=7							Very soft to soft grey silty CLAY. (Tidal Flat Deposits)			
3.10-3.55	7	D											
3.60	3	ES											
3.60-4.00	8	D PID	0.0ppm										
3.60													
4.00-4.45	9	U	10 blows										
4.45-4.60	10	D										(3.50)	
4.50-5.30	11	D											
5.30-5.75	8	SPT	N=0										
5.30-5.75	12	D											
5.70-6.10	13	B											
6.10-6.55	14	U	14 blows									6.50	
6.55-6.70	15	D								Firm brown fibrous PEAT with a moderate organic odour. (Tidal Flat Deposits)		(1.50)	
7.00-7.50	16	B											
7.50-7.95	5	SPT	N=8									8.00	
7.50-7.95	17	D											
8.50-9.10	18	B								Soft grey and dark grey slightly organic silty CLAY with rare black bands (<1cm) and occasional pockets of grey silt (<3cm). (Tidal Flat Deposits)			

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit hand dug to 1.2m depth. 3. Groundwater encountered at 2.6m depth. 4. Rotary coring commenced at 24.50m bgl.
Method Used: Inspection pit + Cable Percussion + Rotary Corer						Plant Used: Dando 2500 + CPT RigFraste			All dimensions in metres
Drilled By: CJA						Logged By: Jagan Raj + Kieran Bancroft			Scale: 1:50
						Checked By: JB			AGS

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH320
Contract Ref:	Start: 18.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 28.06.24	5.87	E:277580.0 N:185834.0	2 of 7

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Fracture Log	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
9.10-9.55	19	U	6 blows							Soft grey and dark grey slightly organic silty CLAY with rare black bands (<1cm) and occasional pockets of grey silt (<3cm). (Tidal Flat Deposits) <i>(stratum copied from 8.00m from previous sheet)</i>		(6.00)	
9.55-9.70	20	D											
10.00-10.60	21	B											
10.60-11.05	10	SPT	N=0										
10.60-11.05	22	D											
11.50-12.00	23	B											
12.00-12.45	24	U	7 blows										
12.45-12.60	25	D											
13.00-13.60	26	B											
13.60-14.05	11	SPT	N=15										
13.60-14.05	27	D											
14.00-14.60	28	B								14.00			
14.50-15.00	29	B								Medium dense multicoloured (grey, greyish brown, brown and red) sandy subangular to subrounded fine to coarse GRAVEL of sandstone, siltstone and mudstone with medium cobble content. Sand is fine to coarse. Cobbles are subangular to rounded of mudstone, siltstone and sandstone. (Weathered South Wales Middle Coal Measures Formation).		(6.00)	
15.00-15.45	12	SPT	N=25										
15.00-15.45	30	D											
16.50-17.00	31	B											
17.00-17.45	13	SPT	N=30							. . . Becomes dense at 17.0m bgl.		(6.00)	
17.00-17.45	32	D											

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used: Inspection pit + Cable Percussion +				Plant Used: Dando 2500 + CPT RigFraste		Drilled By: CJA		Logged By: Jagan Raj + Kieran Bancroft		Checked By: 	
All dimensions in metres						Scale: 1:50					

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH320
Contract Ref:	Start: 18.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 28.06.24	5.87	E:277580.0 N:185834.0	3 of 7

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Fracture Log	Depth (Thick- ness)	Material Graphic Legend				
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)										
18.00-18.50	33	B	N=20							Medium dense multicoloured (grey, greyish brown, brown and red) sandy subangular to subrounded fine to coarse GRAVEL of sandstone, siltstone and mudstone with medium cobble content. Sand is fine to coarse. Cobbles are subangular to rounded of mudstone, siltstone and sandstone. (Weathered South Wales Middle Coal Measures Formation). <i>(stratum copied from 14.00m from previous sheet)</i> ... Becomes medium dense at 18.50m bgl.							
18.50-18.95	14	SPT(c)															
18.50-18.95	34	D															
19.50-20.00	35	B	2,11/15,18,17 for 30mm														
20.00-20.33	15	SPT															
20.00-20.30	36	D															
20.50-21.00	37	B	4,8/15,15,15,5 for 0mm														
21.30-21.50	38	B															
21.50-21.88	16	SPT															
21.50-21.95	39	D	5,8/12,18,20 for 75mm														
22.50-23.20	40	B															
23.00-23.38	6	SPT															
23.20-23.58	41	D	25/33,17 for 20mm														
24.00-24.50	42	B															
24.50-24.67	7	SPT															
24.50-26.70	43	D		38	0	0											
24.70-26.00																	
26.00-27.50				82	26	14											
													Description on next sheet				

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used:		Inspection pit + Cable Percussion +		Plant Used:		Dando 2500 + CPT RigFraste		Drilled By:		CJA	
Logged By:		Jagan Raj + Kieran Bancroft		Checked By:		ZB		AGS			

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH320
Contract Ref: 315531		Start: 18.06.24 End: 28.06.24	Ground Level: 5.87	National Grid Co-ordinate: E:277580.0 N:185834.0	Sheet: 4 of 7

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH320
Contract Ref:	Start: 18.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 28.06.24	5.87	E:277580.0 N:185834.0	5 of 7

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
36.50-38.00 36.50-36.58	19	SPT(c)	NP	100 ↓	100 ↓	77 ↓	↓ ↓			Strong dark brownish grey unweathered fine SANDSTONE with thin laminations of grey medium to coarse sandstone. (South Wales Lower Coal Measures Formation)			
				102 ↓	102 ↓	38 ↓	20 120 250 FI=12 ↓						
38.00-39.50				↓	↓	↓	↓						
				98 ↓	93 ↓	52 ↓	15 140 300 FI=12 ↓						
39.50-41.00 39.50-39.58	20	SPT(c)	NP	↓	↓	↓	↓						
				96 ↓	96 ↓	71 ↓	5 180 280 FI=11 ↓						
41.00-42.50				↓	↓	↓	↓						
				98 ↓	78 ↓	57 ↓	10 170 470 FI=8 ↓						
42.50-44.00 42.50-42.95	21	SPT(c)	N=72	↓	↓	↓	↓						
				50 ↓	50 ↓	50 ↓	270 270 270 FI=2 ↓						
44.00-45.50				↓	↓	↓	↓						
				100 ↓	20 ↓	20 ↓	110 ↓						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks						
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)							
Method Used:		Inspection pit + Cable Percussion +		Plant Used:		Dando 2500 + CPT RigFraste		Drilled By: CJA		Logged By: Jagan Raj + Kieran Bancroft		Checked By: ZB		AGS	

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH320
Contract Ref: 315531	Start: 18.06.24	Ground Level: 5.87	National Grid Co-ordinate: E:277580.0 N:185834.0		Sheet: 6 of 7

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
45.50-47.00	22	SPT(c)	N=44	100	20	20	110			Very weak distinctly weathered to partially unweathered black COAL. (South Wales Lower Coal Measures Formation)		45.10 (0.50)	
45.50-45.95				95	14	7	110					45.60	
47.00-48.50	23	SPT(c)	NP	93	76	38	4 50 270 FI=14			Very weak to moderately weak destructured to partially unweathered brownish grey SILTSTONE/fine SANDSTONE with very thin laminations of fine sandstone. (South Wales Lower Coal Measures Formation) ... Becomes medium strong to strong unweathered with thin laminations of pale grey medium sandstone from 46.50m bgl. ... Becomes thinly laminated with carbonaceous mudstone between 47.15m and 47.65m bgl.		(2.90)	
48.50-50.00				0	0	0						48.50	
50.00-51.50				76	6	6	100			No recovery (COAL wash away) (Drillers description) (South Wales Lower Coal Measures Formation)		(1.50)	
51.50-53.00				102	60	46	190					50.00	
53.00-54.50				86	58	20	10 70 170 FI=11			Very weak distinctly weathered to partially unweathered black COAL. (South Wales Lower Coal Measures Formation) Extremely weak to medium strong destructured to partially unweathered brownish grey SILTSTONE. (South Wales Lower Coal Measures Formation) ... Becomes very distinctly weathered between 51.60m and 51.90m bgl. Potentially interbedded with mudstone. ... Becomes strong between 52.30m and 52.60m bgl. ... Becomes thinly laminated with carbonaceous mudstone/coal from 52.60m bgl. Strong to very strong brownish grey unweathered fine SANDSTONE. (South Wales Lower Coal Measures Formation) ... Becomes moderately weak to medium strong at 53.0m bgl. Occasional		(0.70)	
												50.70	
												(2.10)	
												52.80	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH320
Contract Ref:	Start: 18.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 28.06.24	5.87	E:277580.0 N:185834.0	7 of 7

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used:		Inspection pit + Cable Percussion +		Plant Used:		Dando 2500 + CPT RigFraste		Drilled By:		CJA	
Logged By:		Jagan Raj + Kieran Bancroft		Checked By:		ZB		AGS			

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH321
Contract Ref: 315531	Start: 22.08.24 End: 28.08.24	Ground Level: 6.39	National Grid Co-ordinate: E:277648.9 N:185999.2		Sheet: 1 of 3

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.50	1	ES				MADE GROUND. Black to brown sandy angular fine to coarse GRAVEL of slag, brick and tarmac with medium cobble content. Sand is fine to coarse. Occasional metal sheets/pipes/bars. Cobbles are angular of slag.	(1.00)	
1.00	2	ES				Yellowish brown fine to coarse SAND. (BLOWN SAND).	1.00	
3.00-4.20	1	B					4.00	
4.20-4.65	1	SPT	N=12			Medium dense greyish brown slightly organic clayey fine SAND with occasional pockets of black fibrous peat. (TIDAL FLAT DEPOSITS)	(0.70)	
4.20-4.60	3	B					4.70	
4.70-5.20	4	B				Brown PEAT (DRILLERS DESCRIPTION, TIDAL FLAT DEPOSITS)	4.80	
5.20-5.65	2	SPT	N=0			Soft greyish brown sandy silty CLAY. Sand is fine. (TIDAL FLAT DEPOSITS)		
5.20-5.65	5	D				... Becomes very soft at 5.20m bgl		
5.70-6.20	6	B					(2.80)	
6.20-6.65	7	UT	18 blows 20% recovery					
6.65-6.80	8	D						
7.00-7.60	9	B					7.60	
7.60-8.05	3	SPT	N=10			Firm dark brown clayey sandy fibrous PEAT. Sand is fine. (TIDAL FLAT DEPOSITS)	(0.50)	
7.60-8.05	10	D					8.10	
8.50-9.00	11	B				Firm dark grey slightly organic silty CLAY. (TIDAL FLAT DEPOSITS).		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 2.80m depth. 300mm diameter pipe installed prior to backfilling to allow cable percussive drilling to commence. 3. Groundwater encountered at 9.00m depth.
Method Used: Cable Percussion						Plant Used: Dando 3000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Rachael Lockyer			Checked By:  AGS

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH321
Contract Ref:	Start: 22.08.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 28.08.24	6.39	E:277648.9 N:185999.2	2 of 3

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend		
	No	Type	Results							
9.00-9.45	12	UT	10 blows 22% recovery			Firm dark grey slightly organic silty CLAY. (TIDAL FLAT DEPOSITS). (stratum copied from 8.10m from previous sheet)	(1.90)			
9.45-9.60	13	D								
10.00-10.50	14	B				Medium dense becoming dense and very dense brown sandy clayey subangular to subrounded fine to coarse GRAVEL of mudstone and siltstone with high cobble content. Cobbles are subrounded to subangular of sandstone. (Weathered South Wales Middle Coal Measures Formation).	10.00			
10.50-10.95	4	SPT	N=12							
10.50-10.95	15	D								
11.70-12.50	16	B								
12.50-12.95	5	SPT	N=19							
12.50-12.95	17	D								
13.00-13.50	18	B								
13.50-13.95	6	SPT	N=46			. . . Becomes dense 13.50m bgl.				
13.50-13.95	19	D								
14.50-15.40	20	B								
15.10-15.55	7	SPT	N=30							
15.10-15.55	21	D								
16.00-16.50	22	B								
16.50-16.94	8	SPT	4,9/11,17,12,10 for 60mm						(13.50)	
16.50-16.94	23	D								
17.50-18.10	24	B								

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Cable Percussion				Plant Used: Dando 3000			Drilled By: CJA		All dimensions in metres	
									Scale: 1:50	
									Checked By: 	
										

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH321
Contract Ref: 315531		Start: 22.08.24 End: 28.08.24	Ground Level: 6.39	National Grid Co-ordinate: E:277648.9 N:185999.2	Sheet: 3 of 3

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
18.10-18.32	9	SPT	8,17/50 for 65mm			Medium dense becoming dense and very dense brown sandy clayey subangular to subrounded fine to coarse GRAVEL of mudstone and siltstone with high cobble content. Cobbles are subrounded to subangular of sandstone. (Weathered South Wales Middle Coal Measures Formation). <i>(stratum copied from 10.00m from previous sheet)</i>		
18.10-18.32	25	D						
19.00-19.60	26	B						
19.60-20.05	10	SPT	N=23					
19.60-20.05	27	D						
20.50-21.00	28	B						
21.00-21.30	11	SPT	9,9/14,36 for 75mm					
21.00-21.30	29	D						
22.00-22.50	30	B						
22.50-22.84	12	SPT	10,15/16,20,14 for 35mm					
22.50-22.83	31	D						
23.50-23.80	32	B						
23.80-24.30	33	B						
24.30-24.50	13	SPT	15,10/50 for 75mm					
24.30-24.41	34	D						
24.50-25.00	35	B						
25.00-25.07	14	SPT(c)	25/50 for 10mm			Borehole terminated at 25.0m bgl.		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH322
Contract Ref: 315531	Start: 10.06.24 End: 20.06.24	Ground Level: 6.59	National Grid Co-ordinate: E:277781.7 N:185934.3		Sheet: 1 of 9

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
0.00-0.20	1	B									MADE GROUND: black, silty sandy subangular to angular GRAVEL of slag. High subangular cobble content of slag. Sand is fine to coarse. . . . 1.7m x 0.10 x 0.15m slab of steel		(1.10)	
0.20-0.50	2	B												
0.20	ES1	ES												
0.50-1.10	3	B												
1.00-1.45	1	SPT	N=20								MADE GROUND: Medium dense dark grey to black slightly gravelly clayey fine to coarse SAND. Gravel IS angular fine to coarse of slag and sandstone.		1.10	
1.10-1.60	5	B											(0.50)	
1.10	ES2	ES											1.60	
1.60-2.00	6	B												
1.60	ES3	ES									MADE GROUND: Loose becoming very loose yellow brown slightly gravelly fine to coarse SAND. Gravel is subrounded fine of sandstone.			
2.00-2.45	2	SPT	N=4											
2.00-2.45	7	D												
2.50-3.10	8	B											(2.80)	
3.00-3.45	3	SPT	N=1								. . . becoming very loose at 3.00mbgl . . . Becoming darker in colour, rare angular cobbles of slag.			
3.10-4.00	10	B												
4.00-4.45	4	SPT	N=8											
4.00-4.45	11	D											4.40	
4.40	ES4	ES	N=5								Soft dark grey silty CLAY (TIDAL FLAT DEPOSITS)			
4.50-4.95	5	SPT												
5.00-5.45	13	D												
5.80-6.30	14	B											(3.10)	
6.30-6.75	15	U	17 blows								. . . High organic content. Frequent pockets of dark brown and orangebrown, firm fibrous PEAT between 7.00-7.5mbgl. Soft brown fibrous PEAT. (TIDAL FLAT DEPOSITS) . . . becoming loose at 4.0mbgl			
6.75-6.80	16	D												
7.00-7.45	6	SPT	N=5										7.50	
7.50-7.95	19	D												
7.50-8.00	20	B									(1.50)			
8.50-9.00	21	B											9.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit hand dug and mechanically excavated to 1.2m depth. 3. Groundwater encountered at 9.5m depth.		
									All dimensions in metres	Scale: 1:50	
Method Used:	Inspection pit + Cable Percussion +			Plant Used:	Dando 3000 + Fraste		Drilled By:	CJA	Logged By: Rachael Lockyer	Checked By: 	

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH322
Contract Ref: 315531		Start: 10.06.24 End: 20.06.24	Ground Level: 6.59	National Grid Co-ordinate: E:277781.7 N:185934.3	Sheet: 2 of 9

LIBRARY_V10_01.GLB LibVersion: v8.07.001 PrjVersion: v8.07 | Log COMPOSITE LOG - A4P | 315531 PORT TALBOT.GPJ - v10_01.
The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117 947 1006 Fax: 0117 947 1009 Web: www.rsk.co.uk. 30/01/25 - 14:51 JB17

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Inspection pit + Cable Percussion +		Plant Used: Dando 3000 + Fraste		Drilled By: CJA		Logged By: Rachael Lockyer		Checked By: ZB AGS		

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH322
Contract Ref:	Start: 10.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 20.06.24	6.59	E:277781.7 N:185934.3	3 of 9

LIBRARY_V10_01.GLB LibVersion: v8.07.001 PrjVersion: v8.07 | Log COMPOSITE LOG - A4P | 315531 PORT TALBOT.GPJ - v10_01.
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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH322
Contract Ref: 315531	Start: 10.06.24 End: 20.06.24	Ground Level: 6.59	National Grid Co-ordinate: E:277781.7 N:185934.3		Sheet: 4 of 9

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
27.50-29.00				0	0	0				Very dense grey brown clayey fine SAND. (Weathered South Wales Middle Coal Measures Formation) ... becoming very dense at 23.00mbgl(<i>stratum copied from 23.00m from previous sheet</i>)			ZCL
29.00-31.50				0	0	0		90% return Water (Grey)		Medium dense grey brown clayey fine SAND. (Weathered South Wales Middle Coal Measures Formation)		29.00	
31.50-33.00				0	0	0		90% return Water (Grey)				(4.00)	
33.00-34.50				0	0	0		70% return Air+Mist (Grey)		SANDSTONE (South Wales Coal Measures)		33.00	
34.50-36.00				0	0	0		70% return Air+Mist (Grey)					

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH322		
Contract Ref: 315531		Start: 10.06.24 End: 20.06.24		Ground Level: 6.59		National Grid Co-ordinate: E:277781.7 N:185934.3		Sheet: 5 of 9

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
37.50-39.00				↑	↑	↑		70% return Air+Mist (Grey)		SANDSTONE (South Wales Coal Measures) (stratum copied from 33.00m from previous sheet)			
				0	0	0		70% return Air+Mist (Grey)					
39.00-40.50				↑	↑	↑		70% return Air+Mist (Grey)					
				0	0	0		70% return Air+Mist (Grey)					
40.50-42.00				↑	↑	↑		80% return Air+Mist (Grey)					
				0	0	0		80% return Air+Mist (Grey)					
42.00-43.50				↑	↑	↑		80% return Air+Mist (Grey)					
				0	0	0		80% return Air+Mist (Grey)					
43.50-45.00				↑	↑	↑		80% return Air+Mist (Grey)				(21.00)	
				0	0	0		80% return Air+Mist (Grey)					

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH322
Contract Ref: 315531	Start: 10.06.24 End: 20.06.24	Ground Level: 6.59	National Grid Co-ordinate: E:277781.7 N:185934.3		Sheet: 6 of 9

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
45.00-46.50				0	0	0		80% return Air+Mist (Grey)		SANDSTONE (South Wales Coal Measures) (stratum copied from 33.00m from previous sheet)			
46.50-48.00				0	0	0		80% return Air+Mist (Grey)					
48.00-49.50				0	0	0		80% return Air+Mist (Grey)					
49.50-51.00				0	0	0		80% return Air+Mist (Grey)					
51.00-52.50				0	0	0		80% return Air+Mist (Grey)					
52.50-54.00				0	0	0		80% return Air+Mist (Grey)				54.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH322		
Contract Ref: 315531		Start: 10.06.24 End: 20.06.24		Ground Level: 6.59		National Grid Co-ordinate: E:277781.7 N:185934.3		Sheet: 7 of 9

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
54.00-55.50				0	0	0		90% return Air+Mist (Dark grey/black)		Inferred COAL (Drillers Description). (SOUTH WALES COAL MEASURES).			
55.50-57.00				0	0	0		90% return Air+Mist (Dark grey/black)				(5.00)	
57.00-58.50				0	0	0		90% return Air+Mist (Dark grey/black)					
58.50-60.00				0	0	0		90% return Air+Mist (Grey)				59.00	
60.00-61.50				0	0	0		90% return Air+Mist (Grey)		Medium strong unweathered grey brown fine SANDSTONE with rare thin layers of dark grey organic mudstone/siltstone. (SOUTH WALES COAL MEASURES).			
61.50-63.00				0	0	0		90% return Air+Mist (Grey)				(5.00)	ZCL

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH322
Contract Ref:	Start: 10.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 20.06.24	6.59	E:277781.7 N:185934.3	8 of 9

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details	Backfill & Instru- menta- tion	Water	Description of Strata	Fracture Log	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
63.00-64.00				↑ 0	↑ 0	↑ 0		90% return Air+Mist (Grey)			Medium strong unweathered grey brown fine SANDSTONE with rare thin layers of dark grey organic mudstone/siltstone. (SOUTH WALES COAL MEASURES). (stratum copied from 59.00m from previous sheet)		64.00	ZCL
64.00-65.50				↑ 80	↑ 0	↑ 0								
65.50-67.00				↑ 73	↑ 0	↑ 0					Medium strong unweathered grey brown fine SANDSTONE with rare thin layers of dark grey organic mudstone/siltstone. (SOUTH WALES COAL MEASURES).		(4.50)	
67.00-68.50				↑ 90	↑ 56	↑ 17	↑ 35 12 FI=19							
68.50-70.00				↑ 100	↑ 91	↑ 65	↑ 4 45 FI=14				Moderately weak to medium strong unweathered grey MUDSTONE. Frequent thin bands of brown siltstone/fine sandstone. (SOUTH WALES COAL MEASURES).		68.50	
70.00-71.50				↑ 100	↑ 86	↑ 7	↑ 35 10 30 FI=10				Medium strong unweathered grey brown SILTSTONE/FINE SANDSTONE. Frequent angular inclusions of dark grey organic mudstone. (SOUTH WALES COAL MEASURES).		70.00	
71.50-73.00				↑ 50	↑ 0	↑ 0	↑							(3.00)

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks									
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)										
Method Used:		Inspection pit + Cable Percussion +		Plant Used:		Dando 3000 + Fraste		Drilled By:		CJA	Logged By:		Rachael Lockyer		Checked By:		ZB AGS	

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH322		
Contract Ref: 315531		Start: 10.06.24 End: 20.06.24	Ground Level: 6.59		National Grid Co-ordinate: E:277781.7 N:185934.3		Sheet: 9 of 9	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
73.00-74.50				50	0	0					Medium strong unweathered grey brown SILTSTONE/FINE SANDSTONE. Frequent angular inclusions of dark grey organic mudstone. (SOUTH WALES COAL MEASURES). <i>(stratum copied from 70.00m from previous sheet)</i>		73.00	x x x x
				97	34	14	350 FI=2				Moderately weak unweathered grey MUDSTONE. (SOUTH WALES COAL MEASURES).		(1.50)	
74.50-76.00				5	0	0					Weak to moderately weak unweathered to partially unweathered grey MUDSTONE. (SOUTH WALES COAL MEASURES).		74.50	
											Extremely weak to weak destructured black COAL. (SOUTH WALES COAL MEASURES).		74.80	
													(1.20)	
											Borehole terminated at 76.0m bgl.		76.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used:		Inspection pit + Cable Percussion + Rotary Corer		Plant Used: Dando 3000 + Fraste		Drilled By: CJA		Logged By: Rachael Lockyer		Checked By: 	
						All dimensions in metres			Scale: 1:50		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH323
Contract Ref: 315531	Start: 08.06.24 End: 11.06.24	Ground Level: 5.89	National Grid Co-ordinate: E:277732.0 N:186081.9		Sheet: 1 of 1

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.30	ES1	ES				MADE GROUND. Dark brown sandy angular fine to coarse GRAVEL of various lithologies including limestone, mudstone and slag. Sand is fine to coarse. ... Cobble/boulder of slag encountered in the side of the inspection pit at 0.10m bgl. ... Becomes dark brown black and frequent angular cobbles of slag at 0.30m bgl.		
1.50-2.00	1	B					(3.40)	
2.50-3.00	2	B						
3.00-3.23	1	SPT	7,11/36,14 for 0mm					
3.00-3.40	3	B					3.40	
						Borehole terminated due to refusal.		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit hand dug and mechanically excavated to 2.2m depth. 3. No groundwater encountered.
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 2000			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Kieran Bancroft			Checked By:  AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH323A
Contract Ref: 315531	Start: 30.09.24	Ground Level: ---	National Grid Co-ordinate: E:277732.0 N:186074.0		Sheet: 1 of 7
End: 08.10.24					

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
2.50-3.00	1	B	N=35							MADE GROUND: Dense (from 3.00m) dark grey and dark greyish brown slightly sandy GRAVEL and COBBLES with medium boulder content. Gravel is subangular to subrounded fine to coarse slag. Cobbles are angular to subangular slag. Boulders are slag.	(4.50)	
3.00-3.50	3	B										
3.00-3.45	22	SPT										
3.70-4.30	4	B	N=9							MADE GROUND: Loose dark grey angular GRAVEL of medium to coarse mudstone. (Probable Fill)	4.50	
4.30-4.75	5	D										
4.30-4.75	23	SPT									(1.10)	
4.50-5.10	6	B	N=10							MADE GROUND: Medium dense dark grey sandy angular fine to coarse GRAVEL of mudstone, coal and shale. Sand is fine to coarse.	5.60	
5.10-5.55	7	D									(0.50)	
5.10-5.55	24	SPT									6.10	
5.60-6.10	8	B	N=10							Dark brown silty CLAY. (Tidal Flat Deposits)	(2.40)	
6.10-6.55	9	D										
6.10-6.55	25	SPT										
7.00-7.50	10	D								Dark brown fibrous PEAT. (Tidal Flat Deposits)	8.50	
7.50-7.95	11	U										
7.95-8.10	12	D										
8.50-9.00	13	B										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit mechanically dug to 2.50m depth. 3. Groundwater encountered at 2.50m depth.
Method Used: Cable Percussion + Rotary open hole						Plant Used: Dando 3000 + Comacchio GEO 205			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Jagan Raj			Checked By:  AGS

BOREHOLE LOG

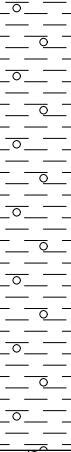
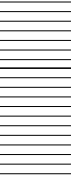
Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH323A
Contract Ref:	Start: 30.09.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 08.10.24	---	E:277732.0 N:186074.0	2 of 7

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
9.00-9.45 9.00-9.45	14 26	D SPT	N=9						Dark brown fibrous PEAT. (Tidal Flat Deposits) <i>(stratum copied from 8.50m from previous sheet)</i>	(1.50)		
										10.00		
10.00-10.50	15	B	(1.50)									
10.50-10.95 10.50-10.95	16 27	D SPT								Dark brown gravelly CLAY. Gravel is subrounded to rounded fine to coarse mudstone and sandstone. (Gaciofluvial Deposits)		
											11.50	
11.50-12.00	17	B									Medium dense pale brown and reddish brown subangular to rounded fine to coarse GRAVEL of sandstone, siltstone and mudstone. (Glaciofluvial Deposits)	
12.00-12.50 12.00-12.45	19 28	B SPT(c)	(3.00)									
										. . . Sandy below 13.5m bgl. Sand is coarse.		
13.00-13.50	20	B										14.50
13.50-14.00 13.50-13.95	22 29	B SPT(c)	Very dense Greyish brown and pale brown sandy GRAVEL and COBBLES of subangular to subrounded sandstone with medium boulder content. Gravel is subangular to subrounded fine to medium mudstone, sandstone and siltstone. Sand is coarse.(Glaciofluvial Deposits)									
									(3.00)			
14.50-15.00 14.50-14.88	23 30	B SPT									4,12/18,18,14 for 75mm	
15.00-15.50	25	B	N=49									
									17.50			
16.00-16.30	26	B									5,8/9,12,16,13 for 35mm	
16.30-16.50	27	B	Description on next sheet									
16.50-16.95 16.50-16.95	28 31	D SPT							17.50			
												
17.40-17.81	32	SPT										
17.50-18.00	29	B										
												
												
												
												
												
												
												
												
												
												
												
												
												
												

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks				
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)					
									All dimensions in metres	Scale: 1:50			
Method Used:	Cable Percussion + Rotary open hole			Plant Used:	Dando 3000 + Comacchio GEO 205		Drilled By:	CJA	Logged By:	Jagan Raj	Checked By:		

BOREHOLE LOG

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH323A
Contract Ref:	Start: 30.09.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 08.10.24	---	E:277732.0 N:186074.0	3 of 7

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
18.00-18.41	30	D	N=40							Very stiff greyish brown very gravelly CLAY. Gravel is rounded fine to coarse mudstone and sandstone. (Weathered South Wales Middle Coal Measures Formation). <i>(stratum copied from 17.50m from previous sheet)</i> ... Becoming brown below 19.0m bgl.	(3.50)	
19.00-19.50	31	B										
19.60-20.05 19.60-20.05	32 33	D SPT										
20.50-21.00	33	B										
21.00-21.38	34	SPT	7,14/12,15,23 for 75mm							Very dense greyish brown clayey subangular to subrounded fine to coarse GRAVEL and COBBLES of sandstone and mudstone. (Weathered South Wales Middle Coal Measures Formation).	21.00	
21.00-21.45	34	D										
22.50-22.76	36	SPT	14,11/40,10 for 35mm								(4.20)	
24.00-24.29	35	SPT										
25.70-25.82	37	SPT	25/50 for 40mm							Grey MUDSTONE. (SOUTH WALES COAL MEASURES)	(0.50)	
										MUDSTONE. (Drillers Description)		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
									All dimensions in metres	Scale: 1:50		
Method Used:	Cable Percussion + Rotary open hole			Plant Used:	Dando 3000 + Comacchio GEO 205		Drilled By:	CJA	Logged By:	Jagan Raj	Checked By:	 AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH323A		
Contract Ref: 315531		Start: 30.09.24	Ground Level: ---		National Grid Co-ordinate: E:277732.0 N:186074.0		Sheet: 4 of 7	
		End: 08.10.24						

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
27.50-27.52	1	SPT(c)	25/100 for 8mm							MUDSTONE. (Drillers Description) (stratum copied from 25.70m from previous sheet)	(5.60)	
29.00-29.01	2	SPT(c)	25/100 for 5mm									
30.50-30.51	3	SPT(c)	25/100 for 6mm									
32.00-32.02	4	SPT(c)	25/100 for 10mm							COAL. (Drillers Description)	31.30	
										MUDSTONE. (Drillers Description)	31.70	
33.50-33.51	5	SPT(c)	25/100 for 9mm							COAL. (Drillers Description)	(0.90)	
										MUDSTONE. (Drillers Description)	32.60	
35.00-35.01	6	SPT(c)	25/100 for 3mm								(0.70)	
											33.30	
											(2.90)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									</	

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH323A		
Contract Ref: 315531		Start: 30.09.24 End: 08.10.24	Ground Level: ---		National Grid Co-ordinate: E:277732.0 N:186074.0		Sheet: 5 of 7	

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
36.50-36.67	7	SPT(c)	9,12/100 for 20mm							MUDSTONE. (Drillers Description) (stratum copied from 33.30m from previous sheet) COAL. (Drillers Description)	36.20 (0.60) 36.80	
38.00-38.01	8	SPT(c)	25/100 for 8mm							MUDSTONE/SANDSTONE. (Drillers Description)		
39.50-39.51	9	SPT(c)	25/100 for 3mm									
41.00-41.01	10	SPT(c)	25/100 for 6mm									
42.50-42.51	11	SPT(c)	25/100 for 6mm									
44.00-44.01	12	SPT(c)	25/100 for 6mm									

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks				
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)					
Method Used:		Cable Percussion + Rotary open hole		Plant Used:		Dando 3000 + Comacchio GEO 205		Drilled By:			CJA		
								Logged By:			Jagan Raj		
						All dimensions in metres			Scale: 1:50				
									Checked By:		 		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH323A	
Contract Ref: 315531		Start: 30.09.24 End: 08.10.24	Ground Level: ---	National Grid Co-ordinate: E:277732.0 N:186074.0		Sheet: 6 of 7

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
45.50-45.52	13	SPT(c)	25/100 for 12mm							MUDSTONE/SANDSTONE. (Drillers Description) (stratum copied from 36.80m from previous sheet)	(17.70)	
47.00-47.02	14	SPT(c)	25/100 for 10mm									
48.50-48.52	15	SPT(c)	25/100 for 8mm									
50.00-50.02	16	SPT(c)	25/100 for 12mm									
51.50-51.52	17	SPT(c)	25/100 for 9mm									
53.00-53.02	18	SPT(c)	25/100 for 13mm									

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks								
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)									
Method Used:		Cable Percussion + Rotary open hole		Plant Used:		Dando 3000 + Comacchio GEO 205		Drilled By:		CJA	Logged By:		Jagan Raj	Checked By:			
												All dimensions in metres			Scale: 1:50		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH323A	
Contract Ref: 315531		Start: 30.09.24 End: 08.10.24	Ground Level: ---	National Grid Co-ordinate: E:277732.0 N:186074.0		Sheet: 7 of 7

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
54.50-54.52	19	SPT(c)	25/100 for 9mm							MUDSTONE/SANDSTONE. (Drillers Description) (stratum copied from 36.80m from previous sheet) MUDSTONE. (Drillers Description)	54.50 (0.50) 55.00	
										COAL. (Drillers Description)	(0.60) 55.60	
56.00-56.02	20	SPT(c)	25/100 for 11mm							MUDSTONE. (Drillers Description)	56.00	
										MUDSTONE/SANDSTONE. (Drillers Description)	(1.52) 57.52	
57.50-57.52	21	SPT(c)	25/100 for 11mm							Borehole terminated on completion. Backfilled with arisings.		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks				
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)					
Method Used:		Cable Percussion + Rotary open hole		Plant Used:		Dando 3000 + Comacchio GEO 205		Drilled By:			CJA		
								Logged By:			Jagan Raj		
										Checked By:		AGS	
										All dimensions in metres		Scale: 1:50	

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH324
Contract Ref: 315531	Start: 12.06.24 End: 04.07.24	Ground Level: 5.36	National Grid Co-ordinate: E:277655.7 N:186412.5		Sheet: 1 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
1.20-1.52	1	SPT	7,9/16,21,13 for 16mm							MADE GROUND: Black to brown silty sandy subangular to angular fine to coarse GRAVEL of brick, slag, mudstone. Sand is fine to coarse.		(1.20)	
2.00-2.35	2	SPT	2,10/22,10,8 for 51mm							MADE GROUND: Very dense brown gravelly fine to coarse SAND. Gravel is angular fine to coarse of brick, slag and mudstone. ... Low angular cobble content of slag (upto 15cm long) between 1.20-1.60mbgl.		(2.30)	
3.00-3.45	3	SPT	N=14							... Large fragments of wood (possibly sleepers) at 3.0mbgl		(3.50)	
4.00-4.45	4	SPT	N=2							MADE GROUND: Firm dark grey mottled black slightly gravelly slightly sandy silty CLAY with medium subangular cobble content of mudstone, sandstone or slag. Sand is fine to coarse. Gravel is angular coarse of red brick or slag.		(0.50)	
5.00-5.45	5	SPT	N=5							Very soft dark brown mottled dark grey silty CLAY. (TIDAL FLAT DEPOSITS)		(0.80)	
6.00-6.45	6	SPT	N=8							Loose brown clayey fine to coarse SAND. (TIDAL FLAT DEPOSITS)		(3.80)	
										... Frequent pockets of firm, brown fibrous PEAT between 7.00-8.60mbgl.		(8.60)	
										Soft dark brown and black firm to spongey, clayey slightly sandy pseudo		(9.00)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
02/07/24		66.00	29.50	146	1.85	2.30	2.70	00:35	1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit hand dug and mechanically excavated to 1.2m depth. 3. Groundwater encountered at 2.0m depth.
03/07/24	08:30	68.50	67.50	N/R	1.85				
	08:30	72.00	67.50	N/R	1.85				
Method Used: Inspection pit + Cable Percussion + Rotary Core						Plant Used: Dando 3000 + Beretta T41			All dimensions in metres
Drilled By: CJA						Logged By: Rachael Lockyer			Scale: 1:50
Checked By: AGS									

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH324
Contract Ref: 315531	Start: 12.06.24 End: 04.07.24	Ground Level: 5.36	National Grid Co-ordinate: E:277655.7 N:186412.5		Sheet: 2 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
9.50-9.95	7	SPT	N=7							fibrous PEAT. Sand is fine to coarse. (TIDAL FLAT DEPOSITS) Soft greyish brown slightly organic sandy CLAY. Sand is fine to coarse. Organic content is firm, orange brown fibrous PEAT. (TIDAL FLAT DEPOSITS) Soft to firm grey mottled dark grey silty CLAY. (TIDAL FLAT DEPOSITS)		(0.50) 9.50	
12.50-12.95	8	SPT	N=5									(4.00)	
13.50-13.95	9	SPT	6,6/7,17,22,4 for 70mm							Very dense brown rounded to subrounded fine to coarse GRAVELS and COBBLES of mudstone and sandstone. (Weathered South Wales Middle Coal Measures Formation).		(1.00) 13.50 14.50	
15.00-15.45	14	SPT	N=16							Firm to stiff brown very gravelly CLAY. High subrounded cobble content of mudstone and sandstone (upto 15cm). Gravel is subrounded to rounded of mudstone and sandstone. (Weathered South Wales Middle Coal Measures Formation).			
16.50-16.95	15	SPT	N=24										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH324
Contract Ref: 315531	Start: 12.06.24	Ground Level: 5.36	National Grid Co-ordinate: E:277655.7 N:186412.5		Sheet: 3 of 9
End: 04.07.24					

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
18.00-18.45	16	SPT	N=28							Firm to stiff brown very gravelly CLAY. High subrounded cobble content of mudstone and sandstone (upto 15cm). Gravel is subrounded to rounded of mudstone and sandstone. (Weathered South Wales Middle Coal Measures Formation). (stratum copied from 14.50m from previous sheet)		(7.50)	
19.50-19.95	10	SPT	N=34							... Sandy.			
21.00-21.45	11	SPT	N=17										
22.50-22.77	12	SPT	12,10/15,35 for 40mm							MUDSTONE/SILTSTONE recovered as grey angular fine to coarse GRAVEL. (SOUTH WALES COAL MEASURES)		(1.50)	
23.50-25.00	13	SPT	NP							Extremely weak to moderately weak destructured to partially unweathered grey brown MUDSTONE. (SOUTH WALES COAL MEASURES)		(3.00)	
25.00-26.50													
26.50-26.95	17	SPT(c)	N=28							Weak to moderately weak unweathered to partially unweathered black COAL. (SOUTH WALES COAL MEASURES)		(0.75)	

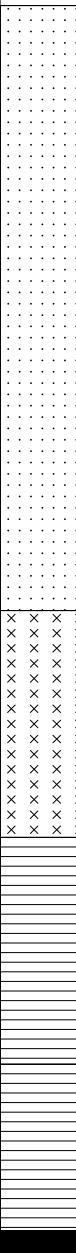
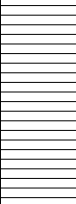
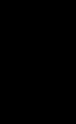
Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH324
Contract Ref:	Start: 12.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 04.07.24	5.36	E:277655.7 N:186412.5	4 of 9

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Inspection pit + Cable Percussion +		Plant Used: Dando 3000 + Beretta T41		Drilled By: CJA		Logged By: Rachael Lockyer		Checked By: ZB AGS		

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH324
Contract Ref:	Start: 12.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 04.07.24	5.36	E:277655.7 N:186412.5	5 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Fracture Log	Depth (Thick- ness)	Material Graphic Legend		
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
37.00-38.50	21	SPT(c)	25/50 for 20mm	98	39	39	FI=7 110 160 260			Strong unweathered dark grey fine SANDSTONE/SILTSTONE. (SOUTH WALES COAL MEASURES) (stratum copied from 29.50m from previous sheet)	7[i]				
				93	81	73	FI=8 70 100 420			8[i]					
38.50-40.00 38.50-38.54				100	73	65	FI=9 100 330			9[i]					
40.00-41.50	87	51	37	FI=10 80 100 180	10[i]	40.00									
41.50-43.00 41.50-41.62	22	SPT(c)	25/42,8 for 5mm	100	40	13					Medium strong unweathered dark grey MUDSTONE. (SOUTH WALES COAL MEASURES)			41.50	
43.00-44.50				0	0	0	FI=14 15 100 140			11	43.00				
44.50-46.00 44.50-44.95				0	0	0	80 300 690				44.10 44.50				

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Inspection pit + Cable Percussion +		Plant Used:	Dando 3000 + Beretta T41			Drilled By:	CJA	Logged By:	Rachael Lockyer
									Checked By:	 AGS

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH324
Contract Ref:	Start: 12.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 04.07.24	5.36	E:277655.7 N:186412.5	6 of 9

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The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117 947 1006 Fax: 0117 947 1009 Web: www.rsk.co.uk. 30/01/25 - 14:52 JB17

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
									All dimensions in metres	Scale: 1:50		
Method Used:	Inspection pit + Cable Percussion +			Plant Used:	Dando 3000 + Beretta T41		Drilled By:	CJA		Logged By: Rachael Lockyer	Checked By: 	

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH324
Contract Ref:	Start: 12.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 04.07.24	5.36	E:277655.7 N:186412.5	7 of 9

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The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117 947 1006 Fax: 0117 947 1009 Web: www.rsk.co.uk. | 30/01/25 - 14:52 | JB17 |

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH324
Contract Ref:	Start: 12.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 04.07.24	5.36	E:277655.7 N:186412.5	8 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Fracture Log	Depth (Thick- ness)	Material Graphic Legend		
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
63.00-64.50 63.00-63.05	26	SPT(c)	25/50 for 30mm	↑	↑	↑	↑			Medium strong to strong unweathered brownish grey interbedded MUDSTONE and SILTSTONE/FINE SANDSTONE. (SOUTH WALES COAL MEASURES) <i>(stratum copied from 58.50m from previous sheet)</i>	25[i]				
				94	80	80	330 330 330 FI=2								
64.50-66.00				↓	↓	↓	↓								
	103	103	103	116 410 660 FI=3	26[i]										
66.00-67.50 66.00-66.04	27	SPT(c)	25/50 for 15mm	↑		↑	↑			↑					
				96		96	78			90 250 720 FI=5					
67.50-69.00 67.50-67.62				28	SPT(c)	21/50 for 40mm	↑			↑	↑			↓	No recovery.
	0	0	0							(1.50)					
69.00-70.50	↓	↓	↓				↓								
	98	84	81	40 200 400 FI=7	28[i]	(1.50)									
70.50-72.00	↑	↑	↑	↑			Medium strong to strong unweathered brownish grey interbedded MUDSTONE and SILTSTONE/FINE SANDSTONE. (SOUTH WALES COAL MEASURES)	70.50							
	90	90	78	130 200 170 FI=5					29[i]	(0.90)					
	↓	↓	↓	↓	Strong to extremely strong unweathered pale grey fine SANDSTONE. (SOUTH WALES COAL MEASURES) ... Occasional thin bands of organic mudstone between 70.5 - 70.70m.	71.40									
							Description on next sheet								

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Inspection pit + Cable Percussion +		Plant Used:	Dando 3000 + Beretta T41			Drilled By:	CJA	Logged By:	Rachael Lockyer
									Checked By:	 AGS

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel			Borehole: BH324		
Contract Ref: 315531		Start: 12.06.24 End: 04.07.24		Ground Level: 5.36		National Grid Co-ordinate: E:277655.7 N:186412.5		Sheet: 9 of 9

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
72.00-73.50				40	15	0				Strong unweathered dark grey MUDSTONE. (SOUTH WALES COAL MEASURES) (stratum copied from 71.40m from previous sheet)		(2.30)	
73.50-75.00				100	84	84	15 55 FI=7			Extremely weak to weak partially weathered to distinctly weathered black to brown COAL. (SOUTH WALES COAL MEASURES)	30	73.70 (0.80) 74.50	
75.00-75.10	29	SPT(c)	8/39,11 for 10mm							Moderately weak to medium strong partially unweathered dark grey organic MUDSTONE. (SOUTH WALES COAL MEASURES) Terminated at 75.0mbgl		(0.60) 75.10	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH325	
Contract Ref: 315531		Start: 31.07.24 End: 05.08.24	Ground Level: ---	National Grid Co-ordinate: E:277344.0 N:186510.0		Sheet: 1 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
5.00-6.00	1	B								(Lagoon water)	5.00	
6.20-6.65	2	D								Black slightly silty SAND. Sand is fine. Strong musty sulfurous odour. (Tidal Flat Deposits)	(1.30)	
6.20-6.65	6	SPT	N=13							Medium dense greenish brown fine silty SAND. (Tidal Flat Deposits)	6.30	
6.60-7.10	3	B								Firm becoming soft blackish dark grey slightly sandy clayey SILT with rare organic content. Sand is fine to medium. (Tidal Flat Deposits)	(0.70)	
7.10-7.55	4	D									7.00	
7.10-7.55	7	SPT	N=8								(3.10)	
7.60-8.00	5	B										
8.00-8.45	6	U	20 blows									
8.45-8.60	7	D										
8.60-9.00	8	B										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									1. Borehole drilled over water utilising a floating pontoon. All depths are measure from the surface of the water. 2. Water depth was 5.0m at location. This depth is affected by changing water levels.	
									All dimensions in metres	
Method Used: Cable Percussion + Rotary open hole			Plant Used: Dando 2500 + Beretta T41			Drilled By: CJA			Logged By: Adam Livesey	
									Checked By:  	
									Scale: 1:50	

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH325
Contract Ref: 315531		Start: 31.07.24 End: 05.08.24	Ground Level: ---	National Grid Co-ordinate: E:277344.0 N:186510.0	Sheet: 2 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
9.00-9.45	8	SPT	N=0							Firm becoming soft blackish dark grey slightly sandy clayey SILT with rare organic content. Sand is fine to medium. (Tidal Flat Deposits) <i>(stratum copied from 7.00m from previous sheet)</i> ... Becomes very soft at 9.0m bgl.	10.10	
9.00-9.45	9	D										
9.50-10.00	10	B	32 blows							Loose grey silty fine to medium SAND. (Tidal Flat Deposits)	(0.90)	
10.00-10.45	11	U										
10.45-10.60	12	D										
11.50-12.00	13	B	N=10							Firm reddish brown fibrous PEAT. Moderate organic odour. (Tidal Flat Deposits)	(1.70)	
12.00-12.45	9	SPT										
12.00-12.45	14	D										
13.00-13.50	15	B	15 blows							Firm grey clayey SILT with rare pockets of fibrous PEAT. (Tidal Flat Deposits)	(4.40)	
13.50-13.95	16	U										
13.95-14.10	17	D										
14.50-15.00	18	B										
15.00-15.45	10	SPT	N=6									
15.00-15.45	19	D										
16.00-16.50	20	B	28 blows									
16.50-16.95	21	U										
16.95-17.10	22	D										
17.50-18.00	23	B								Firm greyish brown slightly sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of mudstone. (Tidal Flat Deposits) <i>Description on next sheet</i>	17.50	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Cable Percussion + Rotary open hole			Plant Used:	Dando 2500 + Beretta T41		Drilled By:	CJA	Logged By:	Adam Livesey
								Checked By:		

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH325
Contract Ref:	Start: 31.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 05.08.24	---	E:277344.0 N:186510.0	3 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
18.00-18.45 18.00-18.45	1 24	SPT D	N=49							Dense greyish dark brown sandy clayey silty subangular to rounded fine to coarse GRAVEL of mudstone, siltstone and sandstone with moderate cobble content. Cobbles are subangular to rounded of sandstone. (Weathered South Wales Middle Coal Measures Formation) <i>(stratum copied from 17.50m from previous sheet)</i> ... Becomes very dense at 19.50m bgl.	(3.30)	
19.00-19.50	25	B										
19.50-19.77	2	SPT	10,15/27,23 for 75mm									
19.50-20.00	27	B										
20.50-21.00	28	B										
21.00-21.45 21.00-21.45	3 29	SPT D	N=46							Very stiff to hard dark brown brown sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of mudstone and siltstone. Cobbles are angular of mudstone/siltstone. (Weathered South Wales Middle Coal Measures Formation)	20.80	
22.00-22.50	30	B										
22.50-22.81	4	SPT	8,10/18,21,11 for 10mm									
22.50-22.81	31	D										
23.50-24.00	32	B										
24.00-24.45 24.00-24.45	5 33	SPT D	N=37								(6.80)	
25.00-25.50	34	B										
25.50-25.89	12	SPT	5,7/11,16,16,7 for 10mm									
25.50-25.85	35	D										
26.50-27.00	36	B										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks											
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)												
Method Used:		Cable Percussion + Rotary open hole		Plant Used:		Dando 2500 + Beretta T41		Drilled By:		CJA	Logged By:		Adam Livesey		Checked By:					



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH325
Contract Ref: 315531	Start: 31.07.24 End: 05.08.24	Ground Level: ---	National Grid Co-ordinate: E:277344.0 N:186510.0		Sheet: 4 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
27.00-27.34	13	SPT	14, 11/17, 20, 13 for 55mm									
27.00-27.30	37	D									27.60	
27.80-28.00	38	B								MUDSTONE (South Wales Middle Coal Measures Formation)		
28.00-28.03	14	SPT(c)	25/50 for 15mm								(2.43)	
30.00-30.03	11	SPT(c)	25/50 for 24mm							Borehole terminated at 32.0m bgl.	30.03	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

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BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH326
Contract Ref: 315531	Start: 06.08.24 End: 08.08.24	Ground Level: ---	National Grid Co-ordinate: E:277269.0 N:186598.0		Sheet: 1 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
						(Lagoon water)		
4.50-5.50	1	B					4.50	
4.50-5.50	1	ES				Very soft black slightly sandy SILT. Sand is fine. Strong musty sulfurous odour. (Lagoon bed sludge).	(1.00)	
5.50-5.95	1	SPT	N=2				5.50	
5.50-5.95	2	D				Very loose grey clayey silty fine to medium SAND. (BLOWN SAND)	(1.10)	
5.50-6.50	3	B					6.60	
6.50-6.95	2	SPT	N=19					
6.50-6.95	4	D				Soft grey slightly sandy silty CLAY. Sand is fine to coarse. (TIDAL FLAT DEPOSITS)	(1.40)	
7.00-7.50	5	B					8.00	
7.50-7.95	6	U	12 blows					
7.95-8.10	7	D						
8.00-8.50	8	B				Soft grey slightly sandy clayey SILT. Sand is fine to coarse. (TIDAL FLAT DEPOSITS)		
8.50-8.95	3	SPT	N=16					
8.50-8.95	9	D						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

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Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH326
Contract Ref: 315531		Start: 06.08.24 End: 08.08.24	Ground Level: ---	National Grid Co-ordinate: E:277269.0 N:186598.0	Sheet: 2 of 4

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
9.00-9.60	10	B	27 blows			Soft grey slightly sandy clayey SILT. Sand is fine to coarse. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 8.00m from previous sheet)</i>	(2.50)	
9.60-10.05	11	U						
10.05-10.20	12	D						
10.50-11.20	13	B	N=20			Firm brown fibrous PEAT. Strong organic odour. (TIDAL FLAT DEPOSITS)	10.50	
11.20-11.65	4	SPT						
11.20-11.65	14	D						
12.00-12.50	15	B	17 blows			Soft to firm grey slightly sandy clayey SILT. Sand is fine. (TIDAL FLAT DEPOSITS)	(1.10)	
12.50-12.95	16	U						
12.95-13.10	17	D						
13.00-13.60	18	B	N=4			Grey slightly gravelly clayey silty fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of sandstone. (TIDAL FLAT DEPOSITS)	11.60	
13.60-14.05	5	SPT						
13.60-14.05	19	D						
14.50-15.00	20	B	17 blows				(4.70)	
15.00-15.45	21	U						
15.45-15.60	22	D						
16.00-16.50	23	B	N=4				17.20	
16.50-16.95	6	SPT						
16.50-16.95	24	D						
17.50-18.00	25	B				Soft to firm brownish grey slightly gravelly sandy silty CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of sandstone. (TIDAL FLAT DEPOSITS)		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
								All dimensions in metres		Scale: 1:50	
Method Used: Cable Percussion			Plant Used: Dando 4000			Drilled By: CJA		Logged By: Adam Livesey		Checked By: 	

Contract:		Client:		Borehole:	
EAF Meltshop Project		TATA Steel		BH326	
Contract Ref:	Start: 06.08.24	Ground Level:	National Grid Co-ordinate:	Sheet:	
315531	End: 08.08.24	---	E:277269.0 N:186598.0	3 of 4	

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend			
	No	Type	Results								
18.00-18.42	7	SPT	2,4/7,10,14,20 for 40mm			Soft to firm brownish grey slightly gravelly sandy silty CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of sandstone. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 17.20m from previous sheet)</i> ... Clay becoming firm (Boulder CLAY)	(1.80)				
18.00-18.45	26	D				19.00					
19.00-19.60	27	B			Dark brownish grey sandy clayey GRAVEL of subangular to subrounded fine to coarse mudstone. (Weathered South Wales Middle Coal Measures Formation).	(6.00)					
19.60-20.05	8	SPT	N=40								
20.50-21.00	29	B									
21.00-21.45	9	SPT	N=30								
22.00-22.50	31	B									
22.50-22.95	10	SPT	N=25								
22.50-23.00	33	B									
23.50-24.00	34	B									
24.00-24.35	11	SPT	5,9/14,16,20 for 45mm								
25.00-25.50	36	B							25.00		
25.50-25.95	12	SPT	N=32						(2.00)		
26.50-27.00	38	B							27.00		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used: Cable Percussion				Plant Used: Dando 4000		Drilled By: CJA		Logged By: Adam Livesey		Checked By: 	
								All dimensions in metres		Scale: 1:50	

Contract:		Client:		Borehole:	
EAF Meltshop Project		TATA Steel		BH326	
Contract Ref:	Start: 06.08.24	Ground Level:	National Grid Co-ordinate:	Sheet:	
315531	End: 08.08.24	---	E:277269.0 N:186598.0	4 of 4	

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Cable Percussion				Plant Used: Dando 4000			Drilled By: CJA		All dimensions in metres	
							Logged By: Adam Livesey		Scale: 1:50	
									Checked By: 	
										



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH327
Contract Ref: 315531	Start: 12.08.24 End: 14.08.24	Ground Level: ---	National Grid Co-ordinate: E:277122.0 N:186589.0		Sheet: 1 of 4

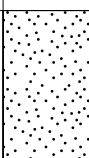
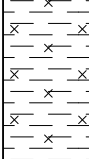
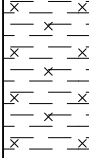
Depth (m)	Samples & Testing			Backfill & Instru-mentation	Water	Description of Strata	Depth (Thick-ness)	Material Graphic Legend
	No	Type	Results					
						(Lagoon Water)		
3.50-4.00	1	B					3.50	
3.50-4.00	1	ES				Black sandy SILT with a strong hydrocarbon odour and sheen. Sand is fine.	(2.00)	
4.50-5.50	2	ES					5.50	
4.50-5.50	2	B						
5.50-5.95	1	SPT	N=6			Brownish grey sandy silty CLAY.		
5.50-5.95	3	D						
6.00-6.50	3	ES					(3.00)	
6.00-6.50	4	B						
6.50-6.95	6	D						
7.00-7.50	7	B						
7.50-7.95	8	D						
8.00-8.50	9	B					8.50	
8.50-9.00	10	B				Greyish brown fine to medium SAND. (BLOWN SAND)		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

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BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH327
Contract Ref: 315531	Start: 12.08.24 End: 14.08.24	Ground Level: ---	National Grid Co-ordinate: E:277122.0 N:186589.0		Sheet: 2 of 4

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
			N=30			Greyish brown fine to medium SAND. (BLOWN SAND) <i>(stratum copied from 8.50m from previous sheet)</i>	(1.50)	
10.00-10.50	11	B						
10.50-10.95	3	SPT D				Firm dark reddish brown fibrous PEAT. (TIDAL FLAT DEPOSITS)		
10.50-10.95	12							
			N=13					(2.00)
11.50-12.00	13	B						
				N=10				12.00
12.45-12.60	15	D				Dark grey silty CLAY with occasional pockets of pseudo-fibrous peat. (TIDAL FLAT DEPOSITS)		
13.00-13.50	16	B						
13.50-13.95	4	SPT D						
13.50-13.95	17							
14.50-15.00	18	B						
			N=10					
15.45-15.60	20	D						
16.00-16.50	21	B						
			N=10				16.50	
16.50-16.95	5	SPT D				Firm brown fibrous PEAT. (TIDAL FLAT DEPOSITS)		
16.50-16.95	22							
			N=10				Brownish grey slightly sandy silty CLAY. (TIDAL FLAT DEPOSITS)	
17.50-18.00	23	B						
								18.00

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH327
Contract Ref: 315531	Start: 12.08.24 End: 14.08.24	Ground Level: ---	National Grid Co-ordinate: E:277122.0 N:186589.0		Sheet: 3 of 4

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
18.00-18.41	6	SPT	6,11/16,10,11,13 for 30mm			Greyish brown angular fine to coarse GRAVEL and angular COBBLES of mudstone and siltstone. (Weathered South Wales Middle Coal Measures Formation).		
18.00-18.40	24	D						
18.50-19.00	25	B					(1.50)	
19.00-19.50	26	B						
19.50-19.95	27	D				Greyish brown clayey subrounded to rounded fine to coarse GRAVEL of mudstone and siltstone. (Weathered South Wales Middle Coal Measures Formation)	19.50	
20.50-21.00	28	B						
21.00-21.45	29	D						
22.00-22.50	30	B						
22.50-22.90	31	D				... Obstruction at 21.5m bgl. Recovered as greyish brown rounded boulder of mudstone (20cm).		
							(13.50)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

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Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH327
Contract Ref:	Start: 12.08.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 14.08.24	---	E:277122.0 N:186589.0	4 of 4

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used: Cable Percussion		Plant Used: Dando 4000		Drilled By: CJA		Logged By: Jagan Raj		Checked By: 		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH328
Contract Ref: 315531	Start: 27.06.24 End: 10.07.24	Ground Level: 17.31	National Grid Co-ordinate: E:276936.9 N:186648.4		Sheet: 1 of 5

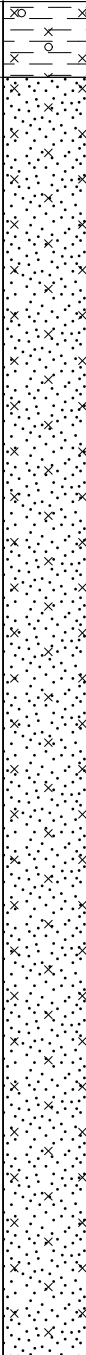
Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
0.50	1	ES				MADE GROUND: grey and brown dry sandy silty GRAVEL of subangular to subrounded fine to coarse slag and occasional metal.	(1.20)	
1.50	2	ES				MADE GROUND: dark grey mottled black slightly sandy gravelly silty CLAY with moderate ash content. Gravel is subangular to subrounded fine to coarse shell fragments, calcareous material, slag and sandstone. Sand is fine and metallic.	(1.80)	
2.50-2.95	1	SPT(c)	N=8				3.00	
2.50	3	B				MADE GROUND: subrounded fine to coarse GRAVEL and subrounded COBBLES of slag.	3.40	
3.50	4	B				MADE GROUND: dark grey slightly gravelly slightly sandy silty CLAY with moderate ash content. Gravel is subangular to subrounded fine to coarse slag. Sand is fine.	(4.40)	
4.00-4.45	2	SPT(c)	N=24					
4.50	5	B						
5.00-5.45	3	SPT(c)	N=15					
5.00	6	B						
7.50-7.95	4	SPT(c)	N=12				7.80	
8.00	7	B				Firm dark grey slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse petrified wood. (TIDAL FLAT DEPOSITS)	(1.70)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
27/06/24	09:00	3.00	3.00	N/R	Dry	0.30	1.60	02:50	1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 2.2m depth. 3. Collapse at 14m bgl at approximately 13:00. Ingress from blowing sand raised borehole depth to 12m bgl.		
02/07/24			None	N/R	Dry	4.40	4.80	00:45			
03/07/24			None	N/R	Dry	14.40	15.50	02:00			
04/07/24		14.50	15.50	N/R	12.20	15.50	16.90	02:50			
05/07/24		21.20	19.50	N/R	12.00	28.70	29.20	00:40			
08/07/24		26.00	28.50	N/R	14.20	31.10	31.70	01:02			
09/07/24		34.50	34.50	N/R	16.20	33.40	34.50	01:30			
						35.10	36.90	03:30			
Method Used:		Inspection pit + Cable Percussion		Plant Used:		Dando 3000		Drilled By:		CJA	
								Logged By:		Jagan Raj	
								Checked By:		AGS	



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH328
Contract Ref: 315531	Start: 27.06.24 End: 10.07.24	Ground Level: 17.31	National Grid Co-ordinate: E:276936.9 N:186648.4		Sheet: 2 of 5

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45	5	SPT(c)	N=29			. . . Becoming stiff at 9.00mbgl.	9.50	
9.50	8	B				Medium dense grey brown silty fine SAND. (TIDAL FLAT DEPOSITS)		
10.50-10.95	6	SPT(c)	N=25					
11.00	9	B						
12.00-12.45	7	SPT(c)	N=26					
12.50	10	B						
13.50-13.95	8	SPT(c)	N=46			. . . Becoming dense at 13.5mbgl.	(10.00)	
14.50	11	B						
15.00-15.45	9	SPT(c)	N=37					
15.50	12	B						
16.50-16.95	10	SPT	N=50					
16.50	13	D						
17.50	14	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
						38.30	38.60	00:30	
Method Used: Inspection pit + Cable Percussion		Plant Used: Dando 3000		Drilled By: CJA		Logged By: Jagan Raj		Checked By:	

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BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH328
Contract Ref: 315531	Start: 27.06.24 End: 10.07.24	Ground Level: 17.31	National Grid Co-ordinate: E:276936.9 N:186648.4		Sheet: 3 of 5

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
18.00-18.45 18.00	11 15	SPT D	N=43			Medium dense grey brown silty fine SAND. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 9.50m from previous sheet)</i>		
18.90-19.35 19.00	13 16	SPT B	N=5				19.50	
19.50-19.95 19.50	12 17	SPT D	N=48			Very stiff brown fibrous PEAT, with fine to coarse fragments of petrified wood, with strong organic odour. (TIDAL FLAT DEPOSITS)		
20.00	18	B					(2.00)	
21.00	19	D						
21.50	20	B					21.50	
22.50-22.95 22.50	13 21	SPT D	N=3			Very soft grey organic silty CLAY with pockets of fine sand. (TIDAL FLAT DEPOSITS)		
23.00	22	B						
24.00-24.45	23	U	24 blows 22% recovery					
24.50 24.65	24 25	D B					(7.00)	
25.50-25.95 25.50	14 26	SPT D	N=7			. . . Becoming soft at 25.5mbgl.		
26.00	27	B						
26.75	28	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH328
Contract Ref: 315531	Start: 27.06.24 End: 10.07.24	Ground Level: 17.31	National Grid Co-ordinate: E:276936.9 N:186648.4		Sheet: 4 of 5

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend	
	No	Type	Results						
27.00-27.45 27.00	15 29	SPT D	N=17			Very soft grey organic silty CLAY with pockets of fine sand. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 21.50m from previous sheet)</i> . . . Becoming firm at 27.0mbgl.	28.50		
27.50	30	B							
28.00	31	B							
28.50-28.88	16	SPT	3,9/16,23,11 for 75mm			Very stiff dark grey gravelly CLAY. Gravel is subangular to subrounded fine to coarse of mudstone and siltstone. (Weathered South Wales Middle Coal Measures Formation).	(1.50)		
28.60	32	B							
30.00-30.45	17	SPT	N=50			Very dense grey slightly sandy clayey subangular to subrounded fine to coarse GRAVEL of mudstone siltstone. Sand is fine to coarse. (Weathered South Wales Middle Coal Measures Formation).	(1.00)		
30.50	33	B							
31.50-31.88	18	SPT(c)	12,13/70,20,30 for 75mm			Very dense dark grey sandy, clayey subangular to subrounded medium to coarse GRAVEL of mudstone and siltstone, with high cobble content. Sand is fine to coarse. Cobbles are subangular to rounded of mudstone siltstone. (Weathered South Wales Middle Coal Measures Formation).	(1.50)		
32.00	34	B							
33.00-33.38	19	SPT(c)	18,7/25,23,27 for 75mm			Very dense dark grey slightly sandy, clayey subangular to subrounded fine to coarse GRAVEL of mudstone, siltstone. Sand is fine to coarse. (Weathered South Wales Middle Coal Measures Formation)	(1.50)		
33.50	35	B							
35.00-35.38	20	SPT(c)	6,8/16,23,11 for 75mm			Very stiff dark grey gravelly CLAY. Gravel is subangular to subrounded fine to coarse of mudstone and siltstone. (Weathered South Wales Middle Coal Measures Formation)	(3.50)		
35.50	36	B							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Inspection pit + Cable Percussion			Plant Used:	Dando 3000		Drilled By:	CJA	Logged By:	Jagan Raj
									Checked By:	 AGS

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH328
Contract Ref: 315531		Start: 27.06.24 End: 10.07.24	Ground Level: 17.31	National Grid Co-ordinate: E:276936.9 N:186648.4	Sheet: 5 of 5

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH329
Contract Ref: 315531	Start: 21.06.24 End: 04.07.24	Ground Level: 17.37	National Grid Co-ordinate: E:276854.5 N:186589.5		Sheet: 1 of 5

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
						MADE GROUND. Grey slightly sandy silty angular fine to coarse GRAVEL of slag. Sand is fine to coarse.	0.30	
						MADE GROUND. Brown angular COBBLES of red brick, metal and concrete. Medium boulder content of concrete and brick walls. Frequent fragments of disused cables. ... Reinforced concrete obstruction in north wall (approx 10cm thick).	(1.40)	
						... Concrete concrete obstruction in north wall (approx 25cm thick)	1.70	
						MADE GROUND. CONCRETE recovered as cobbles and boulders ... Flat concrete slab encountered at 1.7mbgl, at least 7m long.	2.10	
						MADE GROUND. Dark brown sandy clayey angular fine to coarse GRAVEL of various lithologies including red brick, concrete and slag. Sand is fine to coarse.	(1.90)	
							4.00	
						Loose dry yellow brown fine to coarse SAND. (BLOWN SAND)		
4.50-5.00	1	B						
4.50	1	ES						
5.00-5.45	2	D						
5.50-6.20	3	B						
6.20-6.65	4	D						
7.00-7.60	5	B						
7.60-8.05	6	D						
7.60-8.05	12	SPT	N=5					
8.50-9.00	7	B						
							(10.00)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
24/06/24	08:30	20.70	21.50	N/R	2.53	21.70	21.90	00:30	1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit mechanically excavated to 1.70m bgl. Concrete obstruction encountered. Return to location on 26/06/2024 with breaker to excavate to 4.5m bgl.
24/06/24	16:00	24.70	24.00	N/R	3.00	24.30	24.50	01:00	
01/07/24	08:30	12.80	14.00	N/R	10.90				
01/07/24	16:00	22.00	22.50	N/R	18.00				
28/06/24	15:00	14.00	14.00	N/R	12.70				
Method Used: Inspection pit + Cable Percussion						Drilled By: CJA			All dimensions in metres
Plant Used: Dando 2500						Logged By: Jagan Raj			Scale: 1:50
						Checked By: JB			AGS



BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH329
Contract Ref: 315531	Start: 21.06.24 End: 04.07.24	Ground Level: 17.37	National Grid Co-ordinate: E:276854.5 N:186589.5		Sheet: 2 of 5

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
9.00-9.45	8	D	N=8			Loose dry yellow brown fine to coarse SAND. (BLOWN SAND) (stratum copied from 4.00m from previous sheet)		
9.00-9.45	13	SPT						
10.00-10.50	9	B	N=32			... Becoming dense at 10.5mbgl.		
10.50-10.95	10	D						
10.50-10.95	14	SPT						
11.50-12.30	11	B	N=13					
12.30-12.75	12	D						
13.20-13.70	13	B						
13.70-14.15	16	SPT	N=15			Medium dense grey brown fine SAND. (BLOWN SAND)	14.00	
15.00-15.45	8	SPT					(1.45)	
							15.45	
16.50-16.95	9	SPT	N=50			Dark grey fine silty SAND. (TIDAL FLAT DEPOSITS) ... Becoming very dense at 16.50mbgl	(1.55)	
							17.00	
							(2.00)	
						Very stiff dark grey silty CLAY. (TIDAL FLAT DEPOSITS)		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									3. Groundwater encountered at 1.7m bgl	

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Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH329
Contract Ref:	Start: 21.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 04.07.24	17.37	E:276854.5 N:186589.5	3 of 5

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
18.10-18.48	10	SPT	2,5/14,25,11 for 75mm			Very stiff dark grey silty CLAY. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 17.00m from previous sheet)</i>	19.00	
19.65-20.03	11	SPT	5,9/13,17,23 for 75mm			Very stiff brown fibrous PEAT with a moderate organic odour. (TIDAL FLAT DEPOSITS)	(1.00) 20.00	
23.50-24.00	31	B	24 blows 22% recovery			Firm dark grey organic slightly gravelly silty CLAY and locally clayey SILT with a strong organic odour. Gravel is subangular to subrounded fine to coarse fragments of petrified wood. (TIDAL FLAT DEPOSITS)	(5.46) 25.46	
24.00-24.45	32	U						
24.45-24.60	33	D						
25.00-25.50	34	B						
25.50-25.95 25.50-25.95	4 35	SPT D	N=4			Very soft dark grey slightly sandy silty CLAY with a moderate organic odour. Sand is fine. (TIDAL FLAT DEPOSITS)		
26.50-27.00	36	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Inspection pit + Cable Percussion			Plant Used:	Dando 2500		Drilled By:	CJA	Logged By:	Jagan Raj
									Checked By:	 AGS

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH329
Contract Ref:	Start: 21.06.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 04.07.24	17.37	E:276854.5 N:186589.5	4 of 5

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results					
27.00-27.45	37	D	N=14			Very soft dark grey slightly sandy silty CLAY with a moderate organic odour. Sand is fine. (TIDAL FLAT DEPOSITS) (stratum copied from 25.46m from previous sheet)	(4.54)	
28.00-28.50	38	B						
28.50-28.95 28.50-28.95	5 39	SPT D						
29.50-30.20	40	B						
30.20-30.65	41	U	30 blows 22% recovery			Dark grey gravelly CLAY. Gravel is subangular to subrounded fine to coarse mudstone and siltstone. (Weathered South Wales Middle Coal Measures)	30.00	
31.00-31.50	42	B						
31.50-31.95	43	D						
32.50-33.00	44	B						
33.00-33.45 33.00-33.45	7 45	SPT D	N=30			 Becoming stiff at 33.0mbgl.	(6.40)	
34.00-34.50	46	B						
34.50-34.95 34.50-34.95	1 47	SPT D	N=36					
35.50-36.10	48	B						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks				
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)					
									All dimensions in metres	Scale: 1:50			
Method Used:	Inspection pit + Cable Percussion			Plant Used:	Dando 2500		Drilled By:	CJA	Logged By:	Jagan Raj	Checked By:		

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH329
Contract Ref: 315531		Start: 21.06.24 End: 04.07.24	Ground Level: 17.37	National Grid Co-ordinate: E:276854.5 N:186589.5	Sheet: 5 of 5

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results					
36.10-36.55	2	SPT	N=43			... Becoming very stiff at 36.10mbgl	36.40	
36.10-36.55	49	D				MUDSTONE. Recovered as dark grey subangular to subrounded fine to coarse GRAVEL of mudstone. (SOUTH WALES COAL MEASURES)	(1.37)	
36.40-36.90	50	B						
37.10-37.50	51	B						
37.50-37.77	3	SPT(c)	14,11/26,24 for 70mm				37.77	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH330
Contract Ref: 315531	Start: 15.08.24 End: 27.08.24	Ground Level: 6.34	National Grid Co-ordinate: E:277475.6 N:186815.7		Sheet: 1 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
0.60-0.80 0.60-0.70	1 1	B ES								MADE GROUND: Grey subangular to subrounded GRAVELS onto dark blackish brown slightly sandy clayey GRAVEL. Sand is fine to coarse. Gravel is fine to coarse angular to subangular of mixed lithologies including slag, brick, wood, concrete. ... Compact concrete, brick and slag ... Medium cobble content. Cobbles are angular to subangular of slag, brick, concrete mudstone sandstone. ... Frequent buried timber	(1.70) 1.70	
3.00-3.45 3.50-4.00	7 2	SPT(c) B	N=19							MADE GROUND: Medium dense yellowish brown slightly gravelly fine to medium SAND. Gravel is fine to coarse subangular to subrounded of sandstone. ... Compact concrete and slag	(2.80) 4.50	
4.50-5.00 4.50-4.95	4 8	B SPT(c)	N=8							MADE GROUND: Soft dark grey gravelly sandy CLAY with rare pockets of peat. Sand is fine to coarse. Gravel is subangular to subrounded of mixed lithologies including mudstone sandstone and occasional slag brick.	(1.00) 5.50	
5.00-5.45 5.45-5.95 5.50-6.00	5 6 7	U D B								MADE GROUND: Medium dense grey sandy clayey GRAVELS and COBBLES. Gravel is subangular to subrounded fine to coarse. Cobbles are angular to subangular of mixed lithologies including brick and sandstone.	(1.00) 6.50	
6.00-6.45 6.60-7.00	1 9	SPT(c) B	N=24							Grey silty fine to coarse SAND. (TIDAL FLAT DEPOSITS)	(0.50) 7.00	
7.50-7.95 7.95-8.00	10 11	U D	14 blows							Soft grey slightly sandy silty CLAY. Sand is fine to medium. (TIDAL FLAT DEPOSITS)	(3.80)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. DEFAULT BH ONLY - Inspection pit hand dug to X.XXm depth. 3. DEFAULT - Groundwater encountered at XX.XXm depth.
Method Used: Cable Percussion + Rotary open hole						Plant Used: Dando 2000 + Comacchio GEO 205			All dimensions in metres Scale: 1:50
Drilled By: CJA						Logged By: Adam Livesey			Checked By:  AGS

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH330
Contract Ref: 315531		Start: 15.08.24 End: 27.08.24	Ground Level: 6.34	National Grid Co-ordinate: E:277475.6 N:186815.7	Sheet: 2 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
9.00-9.45	2	SPT D	N=4							Soft grey slightly sandy silty CLAY. Sand is fine to medium. (TIDAL FLAT DEPOSITS) <i>(stratum copied from 7.00m from previous sheet)</i>	10.80	
9.00-9.45	12											
9.50-10.00	13	B										
10.50-10.95	14	U	16 blows									
10.95-11.00	15	D										
11.50-12.00	16	B									(2.00)	
12.00-12.45	3	SPT D	N=16									
12.00-12.45	17										12.80	
13.00-13.50	18	B									(0.70)	
13.50-13.95	4	SPT(c) B	N=19								13.50	
13.50-14.00	20											
14.50-15.00	21	B									(0.50)	
15.00-15.45	5	SPT(c)	N=31								14.00	
15.50-16.00	23	B										
16.50-16.95	7	SPT(c)	N=17									
17.00-17.50	25	B										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used:	Cable Percussion + Rotary open hole			Plant Used:	Dando 2000 + Comacchio GEO 205		Drilled By:	CJA	Logged By:	Adam Livesey
									Checked By:	 

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH330
Contract Ref: 315531		Start: 15.08.24 End: 27.08.24	Ground Level: 6.34	National Grid Co-ordinate: E:277475.6 N:186815.7	Sheet: 3 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
18.00-18.45	9	SPT(c)	N=9							Soft to firm greyish brown gravelly silty CLAY with low cobble content. Gravel is subangular to rounded fine to coarse of mixed lithologies including mudstone, siltstone. Cobbles are subangular to subrounded of sandstone. (Boulder clay) (stratum copied from 14.00m from previous sheet) ... Gravels becoming rounded to subrounded ... Dense rounded cobbles	(9.50)	
19.00-19.50	27	B										
19.50-19.95	10	SPT(c)	N=50									
20.50-21.00	29	B										
21.00-21.45	11	SPT(c)	N=56									
22.00-22.50	31	B										
22.50-22.95	12	SPT(c)	N=54									
23.50-24.00	33	B										
24.00-24.45	13	SPT(c)	N=38									
25.20-25.50	35	B										
25.50-25.95	14	SPT(c)	N=190							Coal (rock head)	(0.80)	
										SILTSTONE (Drillers description)	26.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH330
Contract Ref:	Start: 15.08.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 27.08.24	6.34	E:277475.6 N:186815.7	4 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)					
										SILTSTONE (Drillers description) <i>(stratum copied from 26.00m from previous sheet)</i>	(9.00)	
										Borehole terminated at 35.0m bgl.	35.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks				
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)					
									All dimensions in metres	Scale: 1:50			
Method Used:	Cable Percussion + Rotary open hole			Plant Used:	Dando 2000 + Comacchio GEO 205		Drilled By:	CJA	Logged By:	Adam Livesey	Checked By:		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH331
Contract Ref: 315531	Start: 04.07.24 End: 12.07.24	Ground Level: 7.54	National Grid Co-ordinate: E:277459.3 N:186966.2		Sheet: 1 of 4

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details	Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.40 0.40	ES1	ES PID	0.0ppm								MADE GROUND. Grey sandy angular fine to coarse GRAVEL of various lithologies including slag and metal. Sand is fine to coarse. MADE GROUND. Dark brown sandy angular to subrounded fine to coarse GRAVEL of various lithologies including slag, mudstone and sandstone. . . . Becomes cobbly/boulders at 0.60m bgl.	0.20 (1.60) 1.80	
2.00 2.00	ES2	ES PID	0.0ppm								MADE GROUND: yellowish brown slightly gravelly fine to coarse SAND. Gravel is angular fine to coarse of sandstone.	(1.40)	
2.60-3.00	B1	B											
3.00-3.45	1	SPT	N=4									3.20	
3.20-3.80	B2	B									MADE GROUND: Soft brown sandy silty CLAY. Sand is fine to coarse.	(0.60)	
3.20	ES3	ES PID	0.0ppm									3.80	
4.00-4.25	2	SPT	3,5/16,34 for 25mm								MADE GROUND: Dense greyish brown fine to coarse SAND.	4.20	
4.20-4.70	B3	B									MADE GROUND. Grey sandy angular fine to coarse GRAVEL of slag and concrete. Sand is fine to coarse.		
5.00-5.45	3	SPT(c)	N=14									(2.10)	
5.50-6.00	B4	B										6.30	
6.00-6.45	4	SPT(c)	N=3								Very soft greyish brown mottled black slightly sandy silty CLAY. Sand is fine to medium. Frequent rootlets and fragments of organic matter. Slight organic odour. (TIDAL FLAT DEPOSITS)	(1.30)	
6.40-7.00	B5	B										7.60	
6.40	ES4	ES PID	0.0ppm										
7.50-7.95	U1	U	18 blows 100% recovery								Medium dense brownish grey fine to medium SAND. (TIDAL FLAT DEPOSITS)		
8.50 8.50	ES5	ES PID	0.0ppm										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks						
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)							
08/07/24	08:00	4.72	5.15	N/R	3.94	4.30	4.60	00:45	1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Inspection pit machine dug to 2.50m depth. 300mm diameter pipe installed prior to backfilling to allow cable percussive drilling to commence.nb 3. Groundwater encountered at 4.0m depth.						
08/07/24	17:00	12.55	11.25	N/R	6.74	24.60	24.90	00:45							
09/07/24	08:45	11.88	11.25	N/R	3.95	25.40	25.70	00:45							
09/07/24	17:00	16.95	16.50	N/R	8.63										
10/07/24	08:45	16.41	16.30	N/R	5.10										
10/07/24	17:00	25.00	25.00	N/R	8.78										
11/07/24	08:45	24.98	25.00	N/R	5.33										
11/07/24	11:45	26.05	25.65	N/R	11.54										
Method Used:		Inspection pit + Cable Percussion + Rotary open hole		Plant Used:		Dando 4000 + Fraste		Drilled By:		CJA	Logged By:	Kieran Bancroft	Checked By:		

BOREHOLE LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Borehole: BH331
Contract Ref: 315531	Start: 04.07.24 End: 12.07.24	Ground Level: 7.54	National Grid Co-ordinate: E:277459.3 N:186966.2		Sheet: 2 of 4

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details	Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
9.00-9.45	5	SPT	N=11								Medium dense brownish grey fine to medium SAND. (TIDAL FLAT DEPOSITS) (stratum copied from 7.60m from previous sheet)	(3.60)	
10.00-10.50	B6	B											
10.50-10.95	6	SPT	N=25										
11.20-12.00	B7	B									Soft greyish brown sandy organic CLAY. Sand is fine to coarse. Frequent angular fragments of degraded organic matter. Strong organic odour. (TIDAL FLAT DEPOSITS)	11.20	
11.20	ES6	ES	0.2ppm									(1.50)	
11.20		PID											
12.00-12.45	U2	U	30 blows 100% recovery										
12.45-12.55	D3	D										12.70	
12.80-13.50	B8	B									Very soft bluish grey occasionally mottled dark brown slightly sandy silty CLAY. Sand is fine. Occasional amorphous organic matter. Slight organic odour. (TIDAL FLAT DEPOSITS)		
13.50-13.95	7	SPT	N=1									(3.60)	
14.50-15.00	B9	B											
15.00-15.45	U3	U	100% recovery										
16.30-16.50	B10	B									Stiff brownish grey slightly sandy gravelly silty CLAY. Sand is fine to medium. Gravel is angular to subrounded fine to coarse of sandstone and mudstone/siltstone. (Weathered South Wales Middle Coal Measures Formation)	16.30	
16.50-16.95	8	SPT	N=39									(1.20)	
17.50-18.00	B11	B									Description on next sheet	17.50	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
									4. Rotary openhole drilling commenced at 25.70m bgl. 5. Upon completion gas/groundwater monitoring pipe was installed to 25m depth. Response zone between 7.0m and 25.0m depth.		
									All dimensions in metres		
Method Used: Inspection pit + Cable Percussion + Rotary open hole			Plant Used: Dando 4000 + Fraste			Drilled By: CJA		Logged By: Kieran Bancroft		Checked By: 	

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH331
Contract Ref:	Start: 04.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 12.07.24	7.54	E:277459.3 N:186966.2	3 of 4

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details	Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
18.00-18.45	9	SPT(c)	N=45								Dense brownish grey sandy silty clayey angular to subrounded fine to coarse GRAVEL of sandstone and mudstone/siltstone. (Weathered South Wales Middle Coal Measures Formation) (<i>stratum copied from 17.50m from previous sheet</i>)	(2.10)	
19.00-19.50	B12	B										19.60	
19.50-19.95	10	SPT(c)	N=6								Loose greyish brown clayey fine to coarse SAND. (Weathered South Wales Middle Coal Measures Formation)		
19.60-20.00	B13	B											
20.00-21.00	B14	B											
22.00-22.50	B15	B									. . . Becomes medium dense fine at 22.5m bgl	(3.80)	
22.50-22.95	12	SPT	N=10									23.40	
23.40-24.00	B16	B									Very stiff brownish grey greyish brown slightly sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular to rounded fine to coarse of sandstone. Occasional subrounded cobbles of sandstone. (Weathered South Wales Middle Coal Measures Formation)	(1.80)	
24.00-24.45	13	SPT(c)	N=48									25.20	
25.00-25.40	B17	B										25.70	
25.40-25.70	B18	B									Very dense brownish grey slightly sandy clayey angular to subrounded fine to coarse GRAVEL of mudstone/siltstone. (Weathered South Wales Middle Coal Measures Formation)	(0.50)	
25.50-25.88	14	SPT(c)	8,13/26,41,33 for 75mm								Grey MUDSTONE (Drillers description) (SOUTH WALES COAL MEASURES)		

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
										All dimensions in metres	
Method Used: Inspection pit + Cable Percussion +		Plant Used: Dando 4000 + Fraste		Drilled By: CJA		Logged By: Kieran Bancroft		Checked By: JB		AGS	

Contract:		Client:		Borehole:
EAF Meltshop Project		TATA Steel		BH331
Contract Ref:	Start: 04.07.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 12.07.24	7.54	E:277459.3 N:186966.2	4 of 4

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns & Details	Backfill & Instru- mentation	Water	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
27.00-27.04	15	SPT(c)	NP					100% return Air+Mist (Brownish grey)			Grey MUDSTONE (Drillers description) (SOUTH WALES COAL MEASURES) (<i>stratum copied from 25.70m from previous sheet</i>)	(4.33)	
30.00-30.03	16	SPT(c)	NP					↓			Borehole terminated at 30.0m bgl.	30.03	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in metres	Scale: 1:50
Method Used: Inspection pit + Cable Percussion +		Plant Used: Dando 4000 + Fraste		Drilled By: CJA		Logged By: Kieran Bancroft		Checked By: JB	AGS	

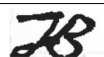
TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP301
Contract Ref: 315531	Start: 05.08.24 End: 05.08.24	Ground Level: ---	National Grid Co-ordinate: E:276790.0 N:186458.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.80	1	B				MADE GROUND: Dark grey brown clayey sandy GRAVEL of angular to subangular fine to coarse slag, rare metal and wood with moderate cobble content. Sand is fine to coarse. Cobbles are angular to subangular slag.	(0.80)	
0.50	1	ES				. . . Mottled dark red brown.	0.80	
						CONCRETE. Recovered as angular to subangular cobbles and rebar (3cm).	(0.50)	
						Layer of compressed slag. Recovered as angular cobbles.	1.30	
1.50	2	ES				MADE GROUND: Dark grey clayey gravelly fine to coarse SAND with moderate ash content. Gravel is subangular to subrounded fine to coarse coal.	1.50	
							(1.60)	
2.50	3	ES					3.10	
						Terminated at 3.10mbgl.		

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:  AGS

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP302
Contract Ref: 315531	Start: 02.08.24 End: 02.08.24	Ground Level: 16.72	National Grid Co-ordinate: E:276848.7 N:186497.8		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Dark grey brown clayey GRAVEL of angular to subangular fine to coarse slag.	(2.00)	
2.50	2	ES				MADE GROUND: Dark grey sandy GRAVEL of angular to subrounded fine to coarse slag. Sand is coarse.	(1.10)	
						Terminated at 3.10mbgl.	3.10	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP303
Contract Ref: 315531	Start: 02.08.24 End: 02.08.24	Ground Level: 16.85	National Grid Co-ordinate: E:276835.0 N:186517.6		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Dark grey brown clayey fine to coarse SAND and angular to subangular fine to coarse GRAVEL of slag with moderate cobble content. Cobbles are angular to subangular slag. . . . Higher cobble content and less dense below 1m		
1.50-2.50 1.50	1 2	B ES					(3.00)	
2.50	3	ES					3.00	
						Terminated at 3.00mbgl.		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

GINT LIBRARY_V10_01.GLB LibVersion: v8.07 | Log TRIAL PIT LOG - NO PLAN - A4P | 315531 PORT TALBOT GPU - v10_01.
 RSK Environment Ltd, The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117 947 1006 Fax: 0117 947 1009 Web: www.rsk.co.uk | 31/01/25 - 15:57 | JB17 |

TRIAL PIT LOG

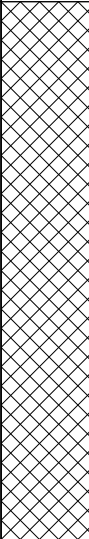
Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP305
Contract Ref: 315531	Start: 05.08.24 End: 05.08.24	Ground Level: ---	National Grid Co-ordinate: E:277041.0 N:186760.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						MADE GROUND: Brown slightly gravelly slightly sandy CLAY. Gravel is subangular to subrounded fine to coarse slag.	(0.30) 0.30	
0.80	1	ES				MADE GROUND: Brown fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of slag and clinker. Rare pockets of yellow brown extremely weak poorly cemented sandstone.	(2.70)	
2.00	2	ES						
2.70	3	ES					3.00	
						Terminated at 3.00mbgl.		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

TRIAL PIT LOG

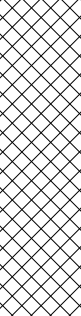
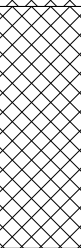
Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP306
Contract Ref: 315531	Start: 23.08.24 End: 23.08.24	Ground Level: ---	National Grid Co-ordinate: E:277380.0 N:186493.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	ES1	ES PID	0.0ppm			CONCRETE.	0.20	
						MADE GROUND. Dark greyish brown sandy silty angular fine to coarse GRAVEL of various lithologies including sandstone, slag and concrete.	(1.80)	
						Trial pit terminated at 2.0m bgl due to significant ground water.	2.00	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 1.80m depth.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Kieran Bancroft	Checked By:		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP307
Contract Ref: 315531	Start: 23.08.24 End: 23.08.24	Ground Level: ---	National Grid Co-ordinate: E:277489.0 N:186382.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Grass over brown slightly sandy slightly gravelly clayey silt TOPSOIL. Sand is fine to coarse. Gravel is angular fine to coarse of sandstone and sandstone. Frequent rootlets up to 1mm diameter.	0.25	
						MADE GROUND. Dark grey sandy angular fine to coarse GRAVEL of various lithologies including red brick and slag. Sand is fine to coarse. Very compact.	0.50	
						ASPHALT.	0.60	
						MADE GROUND. Dark brown sandy angular fine to coarse GRAVEL of various lithologies including red brick, slag and concrete. Sand is fine to coarse. ... Becomes very compacted at 1.0m bgl. ... Becomes reddish brown and predominantly red brick at 1.40m bgl.	(1.10) 1.70	
						MADE GROUND. Brown slightly gravelly fine to coarse SAND. Gravel is angular fine to coarse of red brick and slag.	(0.80) 2.50	
						Trial pit terminated at 2.50m bgl due to significant ground water.		

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Groundwater encountered at 2.30m depth.

All dimensions in metres

Scale:

1:25

Method Used:

Machine dug

Plant Used:

13 Ton Tracked Excavator

Logged By:

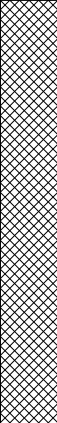
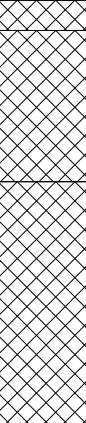
Kieran Bancroft

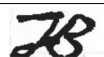
Checked By:



TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP308
Contract Ref: 315531	Start: 25.07.24 End: 25.07.24	Ground Level: 7.33	National Grid Co-ordinate: E:277447.8 N:186401.2		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.60-1.00 0.60 0.60 1.00 1.20-1.40 1.20	1 1	B ES PID	0.0ppm			MADE GROUND: Dark grey GRAVEL of angular to subangular fine to coarse roadstone. (Hardstanding)	0.10	
						MADE GROUND: Grey GRAVEL of angular to subangular roadstone.	(0.50)	
		0.60						
	MADE GROUND: Dark grey clayey fine to coarse SAND and angular to subangular GRAVEL of slag. Moderate ash content.	(0.80)						
	. . . Moderate cobble content. Cobbles are angular to subangular slag.							
	1.40	Terminated at 1.40mbgl due to groundwater.						

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 1.4m depth.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP309
Contract Ref: 315531	Start: 26.07.24 End: 26.07.24	Ground Level: 7.22	National Grid Co-ordinate: E:277454.3 N:186377.3		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20-0.50	1	B				MADE GROUND: Grey GRAVEL of angular to subangular fine to coarse roadstone. (Hardstanding).	0.10	
0.40	1	ES				MADE GROUND: Dark grey sandy GRAVEL of angular to subangular fine to coarse slag, roadstone, metal and rare brick.	(0.50)	
							0.60	
						MADE GROUND: Brown clayey GRAVEL and COBBLES of slag.	(0.40)	
1.00	2	ES					1.00	
1.00-1.50	2	B				MADE GROUND: Dark brown GRAVEL of very angular to angular fine to coarse slate and siltstone with occasional pockets of clay (30cm) and occasional angular cobbles of siltstone.	(1.50)	
2.00	3	ES						
2.00-2.50	3	B					2.50	
Terminated at 2.50mbgl due to pit instability.								

General Remarks

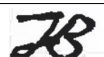
1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Groundwater encountered at 2.1m depth.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:  AGS

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP310
Contract Ref: 315531	Start: 26.07.24 End: 26.07.24	Ground Level: ---	National Grid Co-ordinate: E:277439.0 N:186372.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.70-1.50 0.70	1 1	B ES				MADE GROUND: Rounded to subrounded gravel onto dark brown slightly sandy clayey fine to coarse GRAVEL. Sand is fine to medium. Gravel is angular to subangular of mixed lithologies including brick, charcoal, plastic ... Band of yellow brown fine to medium sand.	(1.50) 1.50	
						MADE GROUND: Dark brown silty GRAVEL. Gravel is angular to subangular fine to coarse of slag and siltstone.	(0.50) 2.00	
2.50-3.40 2.50	2 2	B ES				Dark brown silty GRAVEL of very angular to angular fine to coarse slate and siltstone with occasional pockets of firm clay.	(1.40) 3.40	
						Terminated at 3.40mbgl.		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 2.0m depth.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project		Client: TATA Steel		Trial Pit: TP311
Contract Ref: 315531	Start: 05.08.24 End: 05.08.24	Ground Level: ---	National Grid Co-ordinate: E:277413.0 N:186364.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.60 0.40-0.50	1 1	B ES				MADE GROUND: Concrete onto greyish dark brown sandy GRAVEL. Sand is fine to coarse. Gravel is fine to coarse angular to subangular of mixed lithologies including slag mudstone and concrete. MADE GROUND: Recovered as dark greyish brown sandy angular to subangular GRAVELS and COBBLES. Sand is fine to coarse. Gravel is fine to coarse of mixed lithologies including brick and clinker. Cobbles are subangular to angular of mudstone, slag, metal and brick. MADE GROUND: Dark brown gravelly clayey fine to coarse SAND. Gravel is angular to subangular of brick, mudstone and slag. ... Concrete boulders MADE GROUND: Yellowish brown fine to medium SAND MADE GROUND: Dark brown gravelly clayey fine to coarse SAND with low cobble content. Gravel is angular to subangular of brick, mudstone rebar and slag. Cobbles are subangular to angular of slag concrete and brick. MADE GROUND. Black ashy sandy GRAVEL. Sand is fine to medium. Gravel is angular to subangular fine to coarse of mixed lithologies including coal, slag, shale and slate.	0.20 (0.60) 0.80 (0.60) 1.40 1.60 (0.40) 2.00 (0.60) 2.60	
2.50-2.60 2.50-2.60	2 2	B ES				Terminated at 2.60mbgl.		

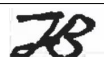
General Remarks

- Position scanned with a CAT, Genny and GPR prior to excavation.
- Tp moved south west due to concrete obstruction, suspected old building foundation

All dimensions in metres

Scale:

1:25

Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Adam Livesey	Checked By: 	
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TRIAL PIT LOG

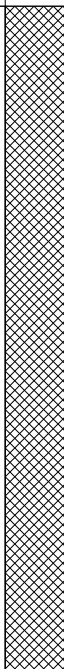
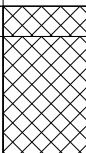
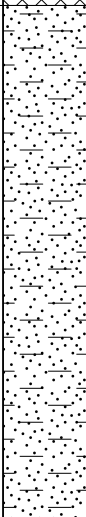
Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP312
Contract Ref: 315531	Start: 05.08.24 End: 05.08.24	Ground Level: ---	National Grid Co-ordinate: E:277449.0 N:186346.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20-0.30 0.20-0.30	1 1	B ES				MADE GROUND: Greyish dark brown sandy GRAVEL with rare wood. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded of mixed lithologies including concrete slag siltstone	(0.40) 0.40	
1.50-1.60	1	D				MADE GROUND: Dark grey sandy GRAVEL of angular to subangular fine to coarse slag, metal, coal and occasional brick. Sand is fine to coarse. ... Concrete slab ... Rare cobbles of slag concrete slate ... Slate and siltstone	(2.10)	
2.40-2.50 2.40-2.50	2 2	B ES				Terminated at 2.50mbgl.	2.50	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Adam Livesey	Checked By: 		

TRIAL PIT LOG

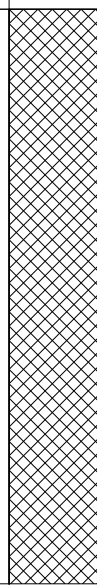
Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP313
Contract Ref: 315531	Start: 08.08.24 End: 08.08.24	Ground Level: ---	National Grid Co-ordinate: E:277318.0 N:186408.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30	1	ES				MADE GROUND: Dark brown sandy gravelly CLAY with frequent rootlets. Gravel is subangular to subrounded fine to coarse slag. (Topsoil)	0.10	
						MADE GROUND: Grey brown sandy GRAVEL of angular to subangular fine to coarse slag. Sand is fine to medium.	(0.40)	
						Yellow brown clayey fine to medium SAND.	0.50	
1.20	2	ES					(1.70)	
2.00	3	ES					2.20	
Terminated at 2.2m due to pit instability.								

General Remarks				
1. Position scanned with a CAT, Genny and GPR prior to excavation.				
All dimensions in metres			Scale:	1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:	

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP314
Contract Ref: 315531	Start: 09.08.24 End: 09.08.24	Ground Level: ---	National Grid Co-ordinate: E:277436.0 N:186198.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Dark grey sandy GRAVEL of angular to subangular fine to coarse slag with moderate cobble content. Sand is fine to coarse. Cobbles are angular slag. ... Concrete structure on western face of excavation to base of pit. ... Cobble of old metal pipe 10cm diameter.	(1.90)	
1.70	2	ES				... Becoming grey below 1.5m bgl.		
						Groundwater encountered at 1.1m bgl. Terminated due to unknown obstruction at 1.9m bgl and backfilled with arisings on completion.	1.90	

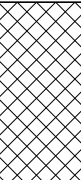
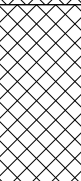
General Remarks

- 1. Position scanned with a CAT, Genny and GPR prior to excavation.
- 2. Groundwater encountered at 1.1m depth.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP317
Contract Ref: 315531	Start: 12.09.24 End: 12.09.24	Ground Level: ---	National Grid Co-ordinate: E:277657.0 N:186218.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
1.70-1.80	1	B				MADE GROUND: Greyish brown sandy angular fine to coarse GRAVEL of Slag.	(0.60)	
						MADE GROUND: Grey coarse GRAVEL of limestone (ballast)	0.60	
						MADE GROUND: Dark grey sandy angular fine to coarse GRAVEL and COBBLES of slag, concrete, limestone, brick. Low to medium angular boulder content of slag (upto 0.5x0.4x0.2m).	(0.60)	
							1.20	
							(1.40)	
							2.60	
						Terminated at 2.6mbgl		

General Remarks				
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 2.40m depth.				
All dimensions in metres			Scale:	1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:	

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP318
Contract Ref: 315531	Start: 11.09.24 End: 11.09.24	Ground Level: ---	National Grid Co-ordinate: E:277771.0 N:186419.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
1.00-1.10	1	B				MADE GROUND: Grey brown sandy angular fine to coarse GRAVEL of slag. Low angular cobble content of slag and metal. Rare wood fragments. ... Thick piece of steel at 1.2mbgl in north end Terminated at 1.3mbgl	(1.30) 1.30	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:		

Contract:		Client:		Trial Pit:
EAF Meltshop Project		TATA Steel		TP319
Contract Ref:	Start: 11.09.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 11.09.24	---	E:277796.0 N:186264.0	1 of 1

CLINT LIBRARY_V10_01.GLB LibVersion: v8_07_001 PpVersion: v8_07 | Log TRIAL PIT LOG - NO PLAN - A4P | 315531 PORT TALBOT GPJ - v10_01.

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Groundwater not encountered.

Method Used:	Machine dug	Plant Used:	13 Ton Tracked Excavator	Logged By:	Rachael Lockyer	Checked By:		
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TRIAL PIT LOG

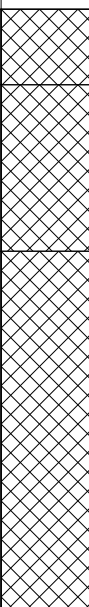
Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP320
Contract Ref: 315531	Start: 11.09.24 End: 11.09.24	Ground Level: ---	National Grid Co-ordinate: E:277796.0 N:186264.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.90-1.00	1	B				MADE GROUND: Dark grey sandy angular fine to coarse GRAVEL of slag. Sand is fine to coarse. Low angular cobble content of slag and rare brick.	(1.30)	
1.20-1.30	2	B					1.30	
						MADE GROUND Yellow brown gravelly fine to coarse SAND. Gravel is angular fine to coarse of slag. (Reworked)	1.50	
						Yellow brown fine to coarse SAND. (BLOWN SAND).	(1.50)	
							3.00	
						Terminated at 3.0mbgl		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater not encountered.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:		

TRIAL PIT LOG

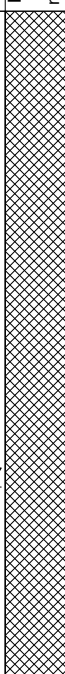
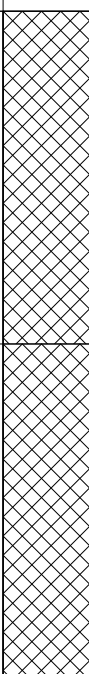
Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP323
Contract Ref: 315531	Start: 23.08.24 End: 23.08.24	Ground Level: ---	National Grid Co-ordinate: E:277523.0 N:186416.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	ES1	ES PID	0.0ppm			MADE GROUND. Grass over brown slightly sandy slightly gravelly clayey silt TOPSOIL. Sand is fine to coarse. Gravel is angular fine to coarse of sandstone and sandstone. Frequent root let's up to 1mm diameter. MADE GROUND. Dark grey sandy angular fine to coarse GRAVEL of various lithologies including red brick and slag. Sand is fine to coarse. Very compact.	0.25 (0.55) 0.80	
1.30 1.30	ES2	ES PID	0.0ppm			MADE GROUND. Dark brown black gravelly clsyey fine to coarse SAND. Gravel is angular fine to coarse of various lithologies including mudstone, red brick and slag.	(1.20)	
							2.00	
						Trial pit terminated at 2.0m bgl due to significant ground water.		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 1.80m depth.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Kieran Bancroft	Checked By:		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP324
Contract Ref: 315531	Start: 23.08.24 End: 23.08.24	Ground Level: ---	National Grid Co-ordinate: E:277573.0 N:186424.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instru- mentation	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
Depth	No	Type	Results					
0.90 0.90	ES1	ES PID	0.0ppm			MADE GROUND. Dark brown sandy silt angular fine to coarse GRAVEL of various lithologies including limestone, metal and slag. Sand is fine to coarse. ... Compacted layer of slag at 0.15m bgl.	(1.10) 1.10	
1.60 1.60	ES2	ES PID	0.0ppm			MADE GROUND. Dark brown sandy clayey angular fine to coarse GRAVEL of various lithologies including red brick, metal and slag with pockets of pale orangish brown silty clay. Sand is fine to coarse.	(1.10) 2.20	
Trial pit terminated at 2.20m bgl due to significant ground water.								

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Groundwater encountered at 1.80m depth.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Kieran Bancroft	Checked By: 

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP325
Contract Ref: 315531	Start: 30.07.24 End: 30.07.24	Ground Level: 16.35	National Grid Co-ordinate: E:277025.0 N:186702.6		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Grey and brown clayey GRAVEL of angular to subangular fine to coarse slag.	(1.50)	
2.00	1	B				MADE GROUND: Grey sandy angular to subangular fine to coarse GRAVEL of slag with high cobble content of subangular slag.	(1.20)	
2.00	2	ES						
2.70-3.30	2	B				MADE GROUND: Dark grey green slightly gravelly CLAY with a strong salty odour. Gravel is subangular to subrounded fine to coarse petrified wood, rare brick, slag and tile.	2.70	
3.00	3	ES					(0.60)	
						Terminated at 3.30mbgl	3.30	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 3.3m					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

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 RSK Environment Ltd, The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117 947 1006 Fax: 0117 947 1009 Web: www.rsk.co.uk | 31/01/25 - 15:57 | JB17 |

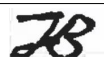
TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP326
Contract Ref: 315531	Start: 30.07.24 End: 30.07.24	Ground Level: 15.93	National Grid Co-ordinate: E:277040.9 N:186673.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-1.00	1	B				MADE GROUND. Dark brown clayey fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of slag and metal. Moderate cobble content of subangular slag.		
0.70-1.00	1 2	ES B						
1.70	2	ES					(3.10)	
2.00-2.60	3	B						
3.00	3	ES					3.10	
						Terminated at 3.10mbgl.		

General Remarks

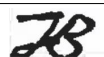
1. Position scanned with a CAT, Genny and GPR prior to excavation.

All dimensions in metres			Scale: 1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 	

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP327
Contract Ref: 315531	Start: 30.07.24 End: 30.07.24	Ground Level: ---	National Grid Co-ordinate: E:277060.0 N:186656.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.70	1	B				MADE GROUND. Brown very gravelly CLAY. Gravel is angular to subangular metal, slag and rare brick.		
0.50	1	ES				. . . Cobbles of scrap metal sheeting on western face.	(2.00)	
1.30	2	ES				. . . Dark brown and slightly gravelly below 1.2m		
1.30-1.50	2	B					2.00	
2.50-2.60	3	B				MADE GROUND. Dark grey gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse slag, metal, clinker and brick. Slight ash content. (Fill)		
2.50	3	ES				. . . Layer of compressed slag.	(1.40)	
2.60-2.70	4	B						
3.40	4	ES				Terminated at 3.40mbgl.	3.40	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

GINT_LIBRARY_V10_01.GLB LibVersion: v8.07 | Log TRIAL PIT LOG - NO PLAN - A4P | 315531 PORT TALBOT GPU - v10_01.
RSK Environment Ltd, The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117 947 1006 Fax: 0117 947 1009 Web: www.rsk.co.uk | 31/01/25 - 15:58 | JB17 |

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP331
Contract Ref: 315531	Start: 12.09.24 End: 12.09.24	Ground Level: ---	National Grid Co-ordinate: E:277936.0 N:185973.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
1.00-1.30	1	B				MADE GROUND: Dark grey sandy angular fine to coarse GRAVEL of slag and rare yellow brick. Sand is fine to coarse.	(0.30)	
							0.30	
						MADE GROUND: Grey angular coarse GRAVEL of limestone and mudstone, rare slag (Reworked ballast)	0.50	
						MADE GROUND . Greyish brown gravelly angular COBBLES of slag with sandstone, rare brick and metal objects. Gravels are angular to subangular fine to coarse of slag. Low angular boulder content of sag (upto 0.3x0.3x0.15m)	(0.80)	
							1.30	
						Yellow brown fine to coarse SAND. (BLOWN SAND).	(1.30)	
							2.60	
						Terminated at 2.6mbgl		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater not encountered.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP332
Contract Ref: 315531	Start: 04.09.24 End: 04.09.24	Ground Level: ---	National Grid Co-ordinate: E:277377.0 N:187068.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Greyish brown clayey angular to subangular medium to coarse GRAVEL of slag. Hardstanding.	0.10	
						MADE GROUND: Grey clayey angular to subangular fine to coarse GRAVEL and angular COBBLES of slag. ... Becomes pale grey between 0.25m bgl and 0.50m bgl.	(0.40)	
						MADE GROUND: Grey sandy clayey angular to subangular fine to coarse GRAVEL of slag with moderate cobble content. Cobbles are angular to subangular slag. Sand is fine to coarse. ... Greyish brown below 0.50m bgl.	0.50	
1.70	2	ES				MADE GROUND: Grey sandy clayey angular to subangular fine to coarse GRAVEL of slag with moderate cobble content. Cobbles are angular to subangular slag. Sand is fine to coarse. ... Occasional angular boulders of slag below 1.0m bgl. ... Rare angular coarse gravel of scrap metal.	(1.00)	
						MADE GROUND: Greyish brown clayey fine to coarse SAND and angular to subangular fine to coarse GRAVEL of slag. ... Becoming brown below 2.30m bgl.	1.50	
2.60	3	ES				No groundwater encountered. Backfilled with arisings on completion.	2.70	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater not encountered.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP333
Contract Ref: 315531	Start: 04.09.24 End: 04.09.24	Ground Level: ---	National Grid Co-ordinate: E:277385.0 N:187031.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.10	1	ES				MADE GROUND: Grey angular to subangular medium to coarse GRAVEL of slag. Hardstanding.	0.05	
0.30	2	ES				MADE GROUND: Brownish grey sandy clayey GRAVEL of angular to subangular fine to coarse slag, rare metal and rare brick. Sand is fine to coarse.	0.25	
						MADE GROUND: Pale greyish brown slightly sandy clayey GRAVEL and COBBLES. Gravel is angular to subangular fine to coarse slag. Cobbles are angular to subangular slag. ... Slag is dark grey between 0.40m and 0.60m bgl.	(1.15)	
1.20	3	ES					1.40	
						Terminated due to unknown concrete obstruction at 1.40m bgl. No groundwater encountered. Backfilled with arisings on completion.		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. No groundwater encountered.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:		

Contract:		Client:		Trial Pit:	
EAF Meltshop Project		TATA Steel		TP334	
Contract Ref:	Start: 04.09.24	Ground Level:	National Grid Co-ordinate:	Sheet:	
315531	End: 04.09.24	---	E:277423.0 N:187008.0	1 of 1	

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1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. No groundwater encountered.

Scale:

1:25

Machine dug

13 Ton Tracked Excavator

Jagan Raj



TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP334 (South slab yard)
Contract Ref: 315531	Start: 12.09.24 End: 12.09.24	Ground Level: ---	National Grid Co-ordinate: E:277784.0 N:186066.0		Sheet: 1 of 1

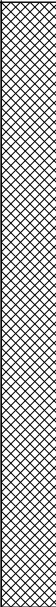
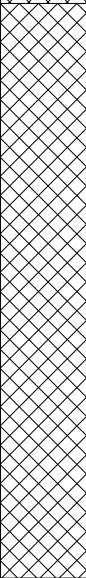
Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
1.00-1.20	1	B				MADE GROUND: Greyish brown sandy angular GRAVELS AND COBBLES of slag with rare brick and mudstone. ... High angular boulder content of slag (upto 0.4m)	(2.30)	
2.00-2.10	2	B					2.30	
						Terminated at 2.3mbgl		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 2.2m depth.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:		

GINT_LIBRARY_V10_01.GLB LibVersion: v8.07_001 PrjVersion: v8.07 | Log TRIAL PIT LOG - NO PLAN - A4P | 315531 PORT TALBOT GPJ - v10_01.
RSK Environment Ltd, The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117 947 1006 Fax: 0117 947 1009 Web: www.rsk.co.uk | 31/01/25 - 15:58 | JB17 |

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP335
Contract Ref: 315531	Start: 06.09.24 End: 06.09.24	Ground Level: ---	National Grid Co-ordinate: E:277338.0 N:187159.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.80	1	ES				MADE GROUND: Tarmacadam Hardstanding.	0.10	
						MADE GROUND: Brown fine to coarse SAND and angular to subangular fine to coarse GRAVEL of red brick, slag, clinker, rebar, tile and concrete. Occasional angular cobbles of slag, concrete and red brick. (Fill Material)	(1.90)	
1.80	2	ES				. . . Pocket of brown clay (15cm) on northern face of excavation.		
						. . . Pocket of yellow sand (20cm) on northern face of excavation.	2.00	
						Groundwater encountered at 2.00m bgl. Backfilled with arisings on completion.		

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Groundwater encountered at 2.0m depth.

All dimensions in metres			Scale: 1:25	
Method Used:	Machine dug	Plant Used:	13 Ton Tracked Excavator	Logged By: Jagan Rai Checked By: 

TRIAL PIT LOG

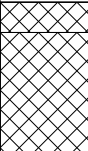
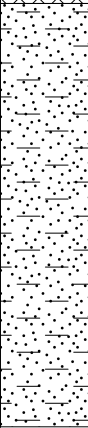
Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP336
Contract Ref: 315531	Start: 06.09.24 End: 06.09.24	Ground Level: ---	National Grid Co-ordinate: E:277364.0 N:187269.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Dark grey to dark grey brown silty fine to coarse SAND and angular to subangular fine to coarse GRAVEL of slag. Occasional angular cobbles of slag. ... Rebar (3cm diameter) on eastern face of excavation.	(1.30)	
2.00	2	ES				MADE GROUND: Light brown and red sandy angular COBBLES and angular BOULDERS of red brickwork. Sand is fine to coarse. (Brick Fill) ... Occasional pockets of black glassy low density probable bitumen (20cm) recovered as angular coarse gravel between 1.30m and 2.70m bgl.	(1.40)	
						No groundwater encountered. Backfilled with arisings on completion.	2.70	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. No groundwater encountered.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP337
Contract Ref: 315531	Start: 08.08.24 End: 08.08.24	Ground Level: ---	National Grid Co-ordinate: E:277294.0 N:186381.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.05	1	ES				MADE GROUND: Dark brown organic fibrousCLAY with a strong organic odour. (Topsoil) MADE GROUND: Greyish brown sandy GRAVEL of angular to subangular fine to coarse slag.	0.10 (0.40) 0.50	
1.00	2	ES				Yellowish brown clayey fine to medium SAND with rare pockets of black sandy organic clay.	(1.40)	
1.70	3	ES				Terminated due to pit instability.	1.90	

General Remarks

- 1. Position scanned with a CAT, Genny and GPR prior to excavation.
- 2. Groundwater encountered at 1.8m depth.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 

TRIAL PIT LOG

Contract: EAF Meltshop Project		Client: TATA Steel		Trial Pit: TP341
Contract Ref: 315531	Start: 19.08.24 End: 19.08.24	Ground Level: ---	National Grid Co-ordinate: E:277643.0 N:185816.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.10 0.10	1	ES PID	0.0ppm			MADE GROUND: Black ashy slightly gravelly fine to coarse SAND. Gravel is angular fine to coarse of brick and slag.	0.25	
						MADE GROUND: Grey angular GRAVELS and COBBLES of slag. Low angular boulder content of slag (upto 0.50m)	(1.75)	
							2.00	
2.30 2.30 2.30 2.30 2.50 2.50 2.70 2.70 2.80 2.80	2	ES V V V PID V V V V ES PID	$c_u=11$ $c_s=5$ 0.1ppm $c_u=13$ $c_s=4$ $c_u=13$ $c_s=2$			MADE GROUND: Black slightly gravelly silty CLAY. Gravel is angular fine to coarse of slag. Strong hydrocarbon odour. Medium angular cobble content of slag.	(0.80)	
	3	ES PID	0.0ppm			Terminated at 2.8mbgl		

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Groundwater encountered at 2.5m depth.

All dimensions in metres Scale: **1:25**

Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:	
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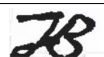
TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP342
Contract Ref: 315531	Start: 31.07.24 End: 01.08.24	Ground Level: 17.41	National Grid Co-ordinate: E:276932.1 N:186650.9		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Grey brown clayey fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of slag.	(0.30)	
						MADE GROUND: Dark brown slightly sandy very gravelly CLAY. Gravel is subangular to subrounded fine to coarse slag. Sand is fine to coarse. ... Layer of compressed slag. ... Dark grey below 1m	0.30	
1.50	2	ES				... Layer of compressed slag.	(3.00)	
2.50	3	ES				... Becoming dark grey with depth.		
3.00-3.30	4	ES					3.30	
Terminated at 3.30mbgl.								

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:  AGS

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP343
Contract Ref: 315531	Start: 01.08.24 End: 01.08.24	Ground Level: 17.52	National Grid Co-ordinate: E:276993.0 N:186734.8		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Dark grey brown clayey sandy GRAVEL of subangular to subrounded fine to coarse slag, metal and rare wood. Sand is fine to coarse and occasionally metallic. ... Brown clayey band. ... Slow excavation.	(1.00)	
1.50	2	ES				MADE GROUND: Brown clayey fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of slag. High cobble content of angular to subangular slag. ... Slow excavation.	(2.20)	
2.50	3	ES						
3.00-3.20	4	ES					3.20	
						Terminated at 3.20mbgl.		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP344
Contract Ref: 315531	Start: 01.08.24 End: 01.08.24	Ground Level: ---	National Grid Co-ordinate: E:276860.0 N:186631.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Grey brown slightly sandy clayey angular to subangular fine to coarse GRAVEL of slag and rare metal. Sand is fine to coarse. ... Band of yellow brown SAND. ... Grey. ... Dark grey brown below 0.7m ... Slow excavation below 1m	(2.00)	
1.50	2	ES					2.00	
2.50	3	ES				MADE GROUND: Dark brown clayey fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of slag. ... Cobble of angular metal plating (<70cm) recovered at 3m	(1.30)	
						Terminated at 3.30mbgl.	3.30	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP345
Contract Ref: 315531	Start: 31.07.24 End: 31.07.24	Ground Level: 17.21	National Grid Co-ordinate: E:276855.0 N:186568.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Grey clayey GRAVEL of fine to coarse slag.	(0.40) 0.40	
						MADE GROUND: Dark grey brown clayey angular to subangular fine to coarse GRAVEL and angular to subangular COBBLES of slag, and brick. (Brick fill) ... Two disused red cables on eastern face of excavation. ... Boulder of subangular slag on southern face of excavation (1m).	(1.20)	
1.50	2	ES				CONCRETE. Recovered as sandy gravelly cobbles with rebar (3cm).	1.60 (0.40) 2.00	
						MADE GROUND: Grey brown sandy angular to subangular fine to coarse GRAVEL and angular COBBLES of slag.	(1.20)	
2.70-3.20	1	B						
3.00	3	ES					3.20	
Terminated at 3.20mbgl.								

General Remarks				
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Pit extended to the north to avoid boulder of slag at 1.2m on southern face of excavation.				
All dimensions in metres			Scale:	1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 	

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP346
Contract Ref: 315531	Start: 05.08.24 End: 05.08.24	Ground Level: ---	National Grid Co-ordinate: E:276744.0 N:186640.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instru-mentation	Description of Strata	Depth (Thick-ness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Dark grey brown fine to coarse SAND and angular to subangular fine to coarse GRAVEL of slag, clinker, rare metal.		
2.00-3.00 2.00	1 2	B ES				. . . More gravelly below 1.5m . . . Moderate cobble content of angular to subangular slag.	(3.20)	
3.00	3	ES				Terminated at 3.20mbgl.	3.20	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

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TRIAL PIT LOG

Contract: EAF Meltshop Project		Client: TATA Steel		Trial Pit: TP350
Contract Ref: 315531	Start: 05.09.24 End: 05.09.24	Ground Level: ---	National Grid Co-ordinate: E:277515.0 N:186892.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: dDark brownish grey sandy clayey angular to subangular fine to coarse GRAVEL of slag. Sand is find to coarse. Hardstanding.	0.05	
						MADE GROUND: Grey, brownish grey and brown sandy clayey angular to subangular fine to coarse GRAVEL of slag. Sand is fine to coarse.	(0.75)	
						... Recovered as grey sandy angular COBBLES and angular BOULDERS of slag. Sand is fine to coarse.	0.80	
1.50	2	ES				MADE GROUND: Compressed slag. Recovered as blueish grey angular COBBLES and angular BOULDERS of slag.	(0.40)	
						MADE GROUND: Dark grey fine to coarse SAND and angular to subangular fine to coarse GRAVEL of slag.	1.20	
						MADE GROUND: Light brown slightly sandy clayey angular to subangular fine to coarse GRAVEL and angular to subangular COBBLES of slag. Sand is fine to coarse.	(0.50)	
2.50	3	ES				MADE GROUND: Cream and grey angular to subangular sandy COBBLES and angular to subangular BOULDERS of slag. Sand is fine to coarse.	1.70	
						MADE GROUND: Cream and grey angular to subangular sandy COBBLES and angular to subangular BOULDERS of slag. Sand is fine to coarse.	1.90	
						MADE GROUND: Cream and grey angular to subangular sandy COBBLES and angular to subangular BOULDERS of slag. Sand is fine to coarse.	(0.70)	
						No groundwater encountered. Backfilled with arisings on completion.	2.60	

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. No groundwater encountered.

All dimensions in metres		Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj
		Checked By: AGS

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP357
Contract Ref: 315531	Start: 05.09.24 End: 05.09.24	Ground Level: ---	National Grid Co-ordinate: E:277458.0 N:186912.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.05	1	ES				MADE GROUND: Brown and grey sandy clayey angular to subangular fine to coarse GRAVEL of slag. Sand is fine to coarse. Hardstanding. MADE GROUND: Brown, greyish brown and grey clayey fine to coarse SAND and angular to subangular fine to coarse GRAVEL of slag. ... Frequent cobbles of angular to subangular slag below 0.50m bgl. ... brown below 0.60m bgl.	0.05	
1.00	2	ES				... Grey below 1.0m bgl. ... Occasional angular coarse gravel of scrap metal below 1.10m bgl. ... Angular boulder of steel recovered at 1.40m bgl.	(2.45)	
2.20	3	ES				... Pocket of grey CLAY on eastern face of excavation between 1.70m and 1.80m bgl. ... Frequent cobbles and boulders of angular concrete below 2.10m bgl.	2.50	
No groundwater encountered. Backfilled with arisings on completion.								

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. No groundwater encountered.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP365
Contract Ref: 315531	Start: 03.10.24 End: 03.10.24	Ground Level: ---	National Grid Co-ordinate: E:277707.0 N:186312.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30-0.60	1	B				MADE GROUND: Dark grey to grey sandy angular coarse GRAVEL of slag. Low angular cobble content of slag. Sand is fine to coarse.	(1.20) 1.20	
1.50-1.60	2	B				MADE GROUND: Dark brownish grey sandy angular fine to coarse GRAVEL of limestone, mudstone and slag. Rare fragments of metal.	(1.00) 2.20	
						Yellow brown fine to coarse SAND. (BLOWN SAND)	2.30	
						Terminated at 2.3mbgl		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 2.2m depth.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:		

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TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP366
Contract Ref: 315531	Start: 03.10.24 End: 03.10.24	Ground Level: ---	National Grid Co-ordinate: E:277607.0 N:186395.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50-0.80	1	B				MADE GROUND:Dark grey to grey slightly sandy angular fine to coarse GRAVEL of slag and brick with rare clinker and tile. Medium angular cobble content. Low angular boulder content (upto 0.25m).	(1.20)	
						MADE GROUND:Yellow brown slightly gravelly fine to coarse SAND. Frequent cobble size inclusions of stiff brown clay. Gravel is angular fine to coarse of slag.	(1.20)	
						... Possible obstruction at 2.40mbgl Terminated at 2.4mbgl.	2.40	

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Groundwater encountered at 2.40m depth.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By: 

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP367
Contract Ref: 315531	Start: 03.10.24 End: 03.10.24	Ground Level: ---	National Grid Co-ordinate: E:277625.0 N:186274.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
1.50-2.00	1	B				MADE GROUND: Dark brownish grey sandy angular to subrounded fine to coarse GRAVEL of slag, mudstone and brick. Low angular cobble content of slag and brick. Sand is fine to coarse.	(2.40)	
						Trial pit terminated at 2.4mbgl	2.40	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 2.4m depth.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:		

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RSK Environment Ltd, The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117 947 1006 Fax: 0117 947 1009 Web: www.rsk.co.uk | 31/01/25 - 15:58 | JB17 |

TRIAL PIT LOG

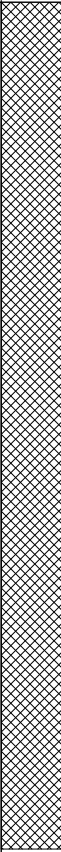
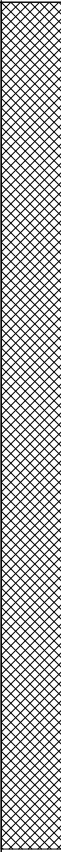
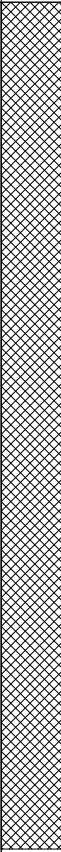
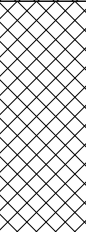
Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP368
Contract Ref: 315531	Start: 03.10.24 End: 03.10.24	Ground Level: ---	National Grid Co-ordinate: E:277550.0 N:186350.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50-1.00	1	B				MADE GROUND: Grey mottled yellow brown slightly sandy angular fine to coarse GRAVEL and COBBLES of concrete and very rare slag. Sand is fine to coarse.	(1.00)	
1.00-1.50	2	B				MADE GROUND: Black slightly ashy angular fine to coarse GRAVEL of mudstone and coal.	(1.50)	
						Terminated at 2.5mbgl	2.50	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 2.5m depth.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:		

TRIAL PIT LOG

Contract: EAF Meltshop Project		Client: TATA Steel		Trial Pit: TP371
Contract Ref: 315531	Start: 09.08.24 End: 09.08.24	Ground Level: ---	National Grid Co-ordinate: E:277650.0 N:185927.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Grey sandy GRAVEL and COBBLES. Gravel is angular to subangular fine to coarse slag. Cobbles are angular to subangular slag.	(0.30) 0.30	
						MADE GROUND: Grey sandy GRAVEL of angular to subangular fine to coarse slag with a slight hydrocarbon odour. Sand is fine to coarse. ... Geotextile membrane encountered at 0.6m bgl.	(0.50) 0.80	
1.00-1.20	2	ES				MADE GROUND: Layer of compressed slag. Recovered as greyish brown angular to subangular fine to coarse GRAVEL and angular cobbles of slag.	1.00	
						MADE GROUND: Dark grey fine to coarse SAND and angular to subangular fine to coarse GRAVEL of slag, rare brick, clinker, metal and wood.	1.20	
2.00	3	ES				MADE GROUND: Greyish brown clayey COBBLES of angular to subangular slag.	(0.80) 2.00	
						Yellowish brown clayey fine to medium SAND. (BLOWN SAND)	(0.80) 2.80	
						No groundwater encountered.Terminated due to pit instability and backfilled with arisings on completion.		

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Difficult to dig at 0.8m and 1.2m, breaker required.

All dimensions in metres				Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:	

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP372
Contract Ref: 315531	Start: 20.08.24 End: 20.08.24	Ground Level: ---	National Grid Co-ordinate: E:277681.0 N:185883.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.10 0.10	1	ES PID	0.0ppm			MADE GROUND: Moss over black ashy fine to coarse SAND. MADE GROUND: Black slightly sandy silty angular fine to coarse GRAVEL of slag. Sand is fine to coarse. MADE GROUND: Grey angular GRAVELS AND COBBLES of limestone, slag , full bricks, aggregate. Rare metal fragments.	0.05 0.20 (0.55)	
0.75 0.75	2	ES PID	0.0ppm			MADE GROUND: Brown gravelly fine to coarse SAND. Gravel is angular fine to coarse of slag.	0.75 (0.85)	
1.60 1.60	3	ES PID	0.0ppm			Yellow brown fine to coarse SAND. (BLOWN SAND).	1.60 (1.10) 2.70	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. No groundwater encountered.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP374
Contract Ref: 315531	Start: 19.08.24 End: 19.08.24	Ground Level: ---	National Grid Co-ordinate: E:277582.0 N:185765.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30 0.30	1	ES PID	0.0ppm			MADE GROUND: Black slightly ashy slightly gravelly fine to coarse SAND. Gravel is angular fine to coarse of slag. Rare fragments of textile. ... Becomes black and brown at 0.3mbgl.	(0.50) 0.50	
						MADE GROUND: Grey angular GRAVEL and COBBLES with medium boulder content (upto 0.40m long).	(0.90) 1.40	
1.40 1.40 1.40 1.40	2	ES V V PID	c _v =29/13/17 c _s =7/7/5 0.4ppm			MADE GROUND: Black mottled yellow brown slightly gravelly silty CLAY. Gravel is angular fine to coarse of slag, mudstone, coal. Strong hydrocarbon odour. ... Rotten egg odour approx 2m	(1.50) 2.90	
						Terminated at 2.9mbgl		

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Groundwater not encountered.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By: 

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP375
Contract Ref: 315531	Start: 19.08.24 End: 19.08.24	Ground Level: ---	National Grid Co-ordinate: E:277554.0 N:185784.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	ES PID	0.1ppm			MADE GROUND Grass over black slightly ashy gravelly fine to coarse SAND. Gravel is angular fine to coarse of brick and slag. Medium angular cobble content of slag. . . . Frequent rootlets between 0.0-0.5mbgl	(0.90)	
						MADE GROUND: Grey angular GRAVELS and COBBLES of slag.	0.90 (0.70)	
1.60 1.60 1.60 1.60	2	ES V V PID	c _u =26/34/34 c _s =5/34/30 0.3ppm			MADEGROUND- black mottled orange/yellow brown slightly gravelly silty CLAY. Gravel is angular coarse of clinker and slag. Hydrocarbon odour noted.	1.60 (1.50)	
						Terminated at 3.1mbgl	3.10	

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Groundwater encountered at 3.0m depth.

All dimensions in metres				Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:	

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP376
Contract Ref: 315531	Start: 19.08.24 End: 19.08.24	Ground Level: ---	National Grid Co-ordinate: E:277574.0 N:185849.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.25 0.25	1	ES PID	0.0ppm			MADE GROUND Grass over black slightly ashy slightly gravelly fine to coarse SAND. Gravel is angular fine to coarse of brick and slag. Large metal sign found at 0.10mbgl.	(0.50) 0.50	
						MADE GROUND Grey COBBLES of slag. Medium boulder content (upto 0.5m long) . Strong hydrocarbon odour.	(1.50) 2.00	
2.00 2.00 2.00 2.00	2	ES V V PID	c _c =72/40/50 c _i =50/20/40 0.1ppm			MADE GROUND Black mottled yellow brown slightly gravelly silty CLAY. Hydrocarbon odour. Gravel is angular fine to coarse of slag.	(0.60) 2.60	
						Terminated at 2.6mbgl due to refusal on hard stratum.		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 2.6m depth.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Rachael Lockyer	Checked By:		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP381
Contract Ref: 315531	Start: 06.08.24 End: 06.08.24	Ground Level: ---	National Grid Co-ordinate: E:277118.0 N:186677.0		Sheet: 1 of 1

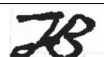
Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				CONCRETE. Recovered as white angular gravel and cobbles with very common 1mm wide translucent plastic rectangular strips within the matrix.	(0.30)	
						MADE GROUND: Grey brown very gravelly CLAY. Gravel is subangular to subrounded fine to coarse slag.	0.30	
1.70	2	ES				. . . Light brown sandy band.	(1.80)	
						. . . Slightly gravelly and sandy.	2.10	
2.50	3	ES				MADE GROUND: Dark grey slightly sandy silty CLAY with moderate ash content.	(0.70)	
						Terminated at 2.80mbgl.	2.80	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP383
Contract Ref: 315531	Start: 05.08.24 End: 05.08.24	Ground Level: ---	National Grid Co-ordinate: E:277092.0 N:186650.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Grey brown and light brown clayey GRAVEL of subangular to subrounded fine to coarse slag. ... Tyre on eastern face of excavation.	(1.10)	
1.20	2	ES				Dark grey mottled green grey silty CLAY with rare gravel of subangular to subrounded fine to coarse wood. (Probable Made Ground)	(0.50)	
						Terminated due to groundwater.		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 1.1m depth.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

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TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP384
Contract Ref: 315531	Start: 06.08.24 End: 06.08.24	Ground Level: ---	National Grid Co-ordinate: E:277092.0 N:186694.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20	1	ES				MADE GROUND: Grey brown and dark brown gravelly sandy CLAY. Gravel is subangular to subrounded fine to coarse slag, rare brick and wood. Sand is fine to coarse. (Topsoil)	(0.40) 0.40	
						MADE GROUND: Layer of compressed slag. Recovered as clayey angular to subangular fine to coarse gravel and angular cobbles.	0.50	
						MADE GROUND: Light brown clayey gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse slag, metal.	(1.10)	
1.50	2	ES				. . . Orange pipe (18cm diameter). Terminated due to service pipe at 1.6m bgl.	1.60	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP386
Contract Ref: 315531	Start: 06.08.24 End: 06.08.24	Ground Level: ---	National Grid Co-ordinate: E:277051.0 N:186751.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.60	1	ES				MADE GROUND: Grey brown clayey fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of slag, clinker and rare metal. Moderate cobble content. Cobbles are angular to subangular slag.	(1.00)	
1.50	2	ES				MADE GROUND: Brown clayey gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse slag and metal. . . . Dark grey.	(0.70)	
						MADE GROUND: Recovered as light brown sandy clayey COBBLES of angular to subangular slag and occasional red brick.	(0.50)	
2.70	3	ES				Yellow brown fine to medium slightly gravelly SAND. Gravel is subangular to subrounded fine to coarse weak sandstone. (BLOWN SANDS).	(0.80)	
						Terminated at 3.00mbgl.		

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. Groundwater encountered at 2.4m depth.

All dimensions in metres			Scale: 1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 	

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP387
Contract Ref: 315531	Start: 01.08.24 End: 02.08.24	Ground Level: 17.34	National Grid Co-ordinate: E:276830.7 N:186578.6		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Dark grey brown slightly sandy clayey GRAVEL of angular to subangular fine to coarse slag, occasional metal, rare red brick and wood. High cobble content of angular to subangular slag. ... Boulder of slag (80cm) recovered from eastern face of excavation. ... Old steel pipe (10cm diameter) on northeast corner of excavation running from North to South.		
1.00-1.50	1	B					(1.90)	
1.50	2	ES					1.90	
						CONCRETE. Recovered as gravel and cobbles. Gravel is angular to subangular fine to coarse concrete and rebar (3cm). Cobbles are angular to subangular concrete.	(0.30)	
							2.20	
2.50-2.90	3	ES				Yellow fine to medium SAND. (BLOWN SAND) (BLOWN SAND)	(0.70)	
							2.90	
						Terminated at 2.9mbgl.		

General Remarks

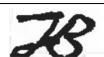
1. Position scanned with a CAT, Genny and GPR prior to excavation.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:  AGS

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP388
Contract Ref: 315531	Start: 01.08.24 End: 01.08.24	Ground Level: 17.35	National Grid Co-ordinate: E:276869.2 N:186592.3		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-1.00	1	B				MADE GROUND: Dark grey slightly sandy clayey GRAVEL of subangular to subrounded fine to coarse slag and rare scrap metal. High cobble content of angular to subangular slag. ... Layer of compressed slag. ... Old cable. Terminated at 2.80mbgl.		
0.50	1	ES						
1.50	2	ES					(2.80)	
2.50-3.00 2.50	2 3	B ES					2.80	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

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TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP389
Contract Ref: 315531	Start: 11.07.24 End: 11.07.24	Ground Level: 17.01	National Grid Co-ordinate: E:276943.1 N:186608.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20	1	B				MADE GROUND. Grey brown clayey subangular to subrounded fine to coarse GRAVEL of slag with low cobble content.	(0.50)	
0.50	1	ES				MADE GROUND. Dark grey silty SAND and GRAVEL with rare pockets of friable stiff dark grey clay. Gravel is subangular to subrounded fine to coarse slag and metal. Sand is fine to coarse. ... Cobble of orange angular wooden plank on northern face of excavation at 0.90m bgl. Approximately 15cm in width and 5cm in depth, aligned north to south.	0.50	
1.40	2	B					(2.10)	
1.60	2	ES				... Layer of compacted slag at 1.70m bgl. Recovered as cobbles and boulders. ... Becoming greyish brown and clayey from 2.0m bgl. ... Layer of compacted slag at 2.10m bgl. Recovered as cobbles and boulders.		
2.60	3	B				Yellow brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of sandstone. (BLOWN SAND)	2.60	
2.80	3	ES					(0.40)	
						Trial pit terminated at 3.0mbgl.	3.00	

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. No groundwater encountered.
3. Upon completion trial pit backfilled with arisings.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:  AGS

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP390
Contract Ref: 315531	Start: 11.07.24 End: 11.07.24	Ground Level: 17.46	National Grid Co-ordinate: E:276920.1 N:186642.7		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.50	1	B				MADE GROUND. Grey brown clayey fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of slag, clinker and metal. ... Becomes brown at 0.50m bgl.		
0.50-1.50	2	B						
0.70	1	ES					(1.50)	
1.50-2.20	3	B				MADE GROUND. Layer of compacted slag recovered as grey brown subrounded COBBLES.	1.50	
							(0.90)	
2.40-3.00	4	B				MADE GROUND. Dark greenish grey sandy CLAY with occasional pockets of brown fibrous peat. Rare cobbles of subrounded slag.	2.40	
							(1.70)	
3.50	2	ES						
							4.10	
Trial pit terminated at 4.10m bgl.								

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.
2. No groundwater encountered.
3. Upon completion trial pit backfilled with arisings.

All dimensions in metres			Scale: 1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:  AGS

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP391
Contract Ref: 315531	Start: 31.07.24 End: 31.07.24	Ground Level: ---	National Grid Co-ordinate: E:276977.0 N:186587.0		Sheet: 1 of 1

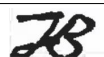
Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Grey brown and brown slightly sandy very gravelly CLAY. Gravel is subangular to subrounded fine to coarse slag and metal. ... Band of dense grey angular fine to coarse GRAVEL of slag.	(1.50)	
1.50	2	ES				MADE GROUND: Dark grey brown fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of slag.	1.50	
2.00	1	B				... Layer of compressed slag.	(1.70)	
2.50-3.00	3	ES						
2.70-3.20	2	B					3.20	
						Terminated at 3.20mbgl.		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP392
Contract Ref: 315531	Start: 31.07.24 End: 31.07.24	Ground Level: 16.28	National Grid Co-ordinate: E:276988.5 N:186663.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Brown fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of slag, brick and metal. High cobble content. Cobbles are angular brick and slag. ... Cobbles of brick.	(2.00)	
2.00-2.50	1	B				MADE GROUND: Light brown, yellow brown and grey slightly gravelly sandy CLAY. Gravel is fine to coarse slag. Moderate cobble content of subangular slag.	2.00	
2.00	2	ES						
2.70-3.30	2	B				... Becoming grey.	(1.30)	
3.00	3	ES					3.30	
						Terminated at 3.30mbgl.		

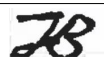
General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 3.3m depth.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

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TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP393
Contract Ref: 315531	Start: 31.07.24 End: 31.07.24	Ground Level: 16.36	National Grid Co-ordinate: E:276999.3 N:186690.6		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES				MADE GROUND: Dark grey brown MADE GROUND: clayey fine to coarse SAND and subangular to subrounded fine to coarse GRAVEL of slag. Moderate cobble content of angular to subangular slag. ... Mottled light brown and red brown on northern face of excavation.	(0.40) 0.40	
1.00-1.50	1	B				MADE GROUND: Dark green grey speckled black slightly gravelly CLAY with a strong salty odour. gravel is subangular to subrounded fine to coarse slag and petrifiedwood.		
2.00	2	ES				... Occasional pockets of petrified wood (<30cm). ... Mottled black.	(2.90)	
2.70-3.30	2	B						
3.00-3.30	3	ES					3.30	
Terminated at 3.30mbgl.								

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP395
Contract Ref: 315531	Start: 09.08.24 End: 09.08.24	Ground Level: 16.36	National Grid Co-ordinate: E:276999.3 N:186690.6		Sheet: 1 of 1

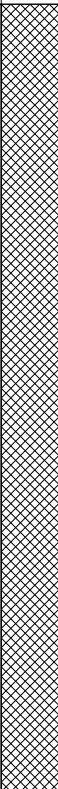
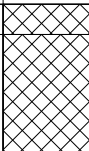
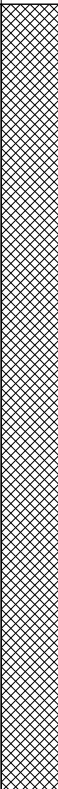
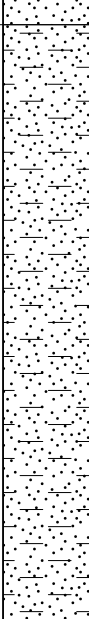
Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.80	1	ES				MADE GROUND: Greyish brown slightly sandy angular to subangular fine to coarse GRAVEL of slag and angular to subangular COBBLES of slag. Sand is coarse. ... Moderate boulder content of angular slag.	(2.50)	
2.00	2	ES						
2.40	3	ES					2.50	
						Groundwater encountered at 2.4m and terminated at 2.5m bgl due to collapse. Backfilled with arisings on completion.		

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 2. Groundwater encountered at 2.5m bgl.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Jagan Raj	Checked By:		

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TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP396
Contract Ref: 315531	Start: 14.08.24 End: 14.08.24	Ground Level: 6.56	National Grid Co-ordinate: E:277417.0 N:185968.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	1	ES				MADE GROUND. Dark brown gravelly clayey fine to coarse SAND onto compact concrete GRAVEL. (MADE GROUND) ... Compact concrete and slag	0.10	
						MADE GROUND. Brown very sandy fine to coarse GRAVEL. Sand is fine to coarse. Gravel is angular to subangular of mixed lithologies including concrete brick wood slag and metal. (MADE GROUND)	(0.40)	
							0.50	
							0.60	
2.00-2.20	2	ES				Light brown fine to coarse SAND. (BLOWN SAND)	(2.00)	
						Black clayey fine to coarse SAND. Very strong asphalt odour. (BLOWN SAND)		
						Unstable		

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.

All dimensions in metres			Scale: 1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Adam Livesey	Checked By: 	

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP397
Contract Ref: 315531	Start: 14.08.24 End: 14.08.24	Ground Level: 6.86	National Grid Co-ordinate: E:277380.2 N:186090.7		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.30	1	ES				MADE GROUND. andy GRAVEL onto black very gravelly fine to coarse SAND. Gravel is angular to subangular of mixed lithologies including brick metal slag concrete and wood. Strong hydrocarbon/asphalt smell. (MADE GROUND) ... Sand is oil coated ... Buried manhole at 0.3m	(0.60) 0.60	
						MADE GROUND. Light brown gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies. (MADE GROUND) Buried manhole	0.80	

General Remarks					
1. Position scanned with a CAT, Genny and GPR prior to excavation. 4. Pit moved east to avoid concrete obstruction to be discovered as manhole.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Adam Livesey	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP399
Contract Ref: 315531	Start: 14.08.24 End: 14.08.24	Ground Level: 6.81	National Grid Co-ordinate: E:277530.8 N:186036.9		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50-0.70	1	ES				MADE GROUND. Black very gravelly fine to coarse SAND with medium cobble content. Gravel is angular to subangular fine to coarse of brick concrete slag rebar and occasional wood. Cobbles are angular to subangular of concrete brick and slag. Slight hydrocarbon odour. ... Dense compact gravels of concrete slag and brick	(0.80) 0.80	
1.40-1.50	2	ES				MADE GROUND. Compressed slag brick and concrete. ... Dense compact gravels of concrete slag and brick	(0.60) 1.40	
						MADE GROUND. Light brown slightly gravelly fine to coarse coarse SAND. Gravel is fine to coarse angular to subrounded of brick and coal fragments. Pockets of black oil soaked sand. Strong hydro carbon odour. (MADE GROUND)	(0.60) 2.00	
2.90-3.00	3	ES				Soft greenish grey sandy CLAY. Sand is fine to coarse. (TIDAL FLAT DEPOSITS)	(1.00) 3.00	

General Remarks

- Position scanned with a CAT, Genny and GPR prior to excavation.

All dimensions in metres			Scale: 1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Adam Livesey	Checked By: 	

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP3001
Contract Ref: 315531	Start: 14.08.24 End: 14.08.24	Ground Level: ---	National Grid Co-ordinate: E:277504.0 N:186098.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20-0.30	1	ES				MADE GROUND. Light brown gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of mixed lithologies including brick and concrete.	(0.30)	
						MADE GROUND. Black sandy GRAVEL with medium cobble content. Gravel is angular to subangular fine to coarse of mixed lithologies including brick and concrete. Cobble are angular to subangular of brick concrete and slag. ... Concrete slab	0.30	
1.00-1.20	2	ES				MADE GROUND. Light brown gravelly fine to coarse SAND with low cobble content. Gravel is angular to subangular fine to coarse of mixed lithologies including concrete and rebar. Cobbles are angular to subangular. (MADE GROUND)	(0.90)	
						MADE GROUND. Black fine to coarse clayey fine to coarse SAND.	1.50	
1.80-2.00	3	ES					(0.50)	
						Water seepage	2.00	

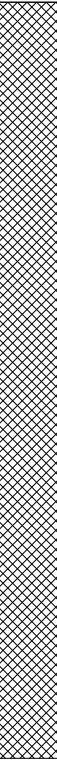
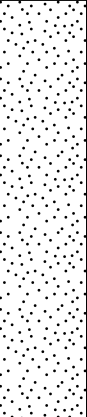
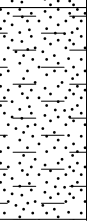
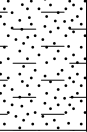
General Remarks

- Position scanned with a CAT, Genny and GPR prior to excavation.

All dimensions in metres				Scale: 1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Adam Livesey	Checked By: 		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP3002
Contract Ref: 315531	Start: 14.08.24 End: 14.08.24	Ground Level: 6.66	National Grid Co-ordinate: E:277467.8 N:186093.8		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
2.00-2.10	Es1	ES				Concrete rebar hardstanding	(0.30)	
						MADE GROUND. Dark grey very gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of concrete.	0.30	
						Light brown fine to coarse SAND. (BLOWN SAND)	(1.40)	
						Greenish grey clayey fine to coarse SAND. Musty asphalt odour	1.80	
						Unstable	(0.70)	
							2.50	

General Remarks

1. Position scanned with a CAT, Genny and GPR prior to excavation.

All dimensions in metres			Scale: 1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Adam Livesey	Checked By: 	

Contract:		Client:		Trial Pit:
EAF Meltshop Project		TATA Steel		TP3003
Contract Ref:	Start: 30.08.24	Ground Level:	National Grid Co-ordinate:	Sheet:
315531	End: 30.08.24	---	E:276128.0 N:188503.0	1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.80	ES1	ES				MADE GROUND. Grass over dark brown sandy slightly gravelly silt TOPSOIL. Sand if fine to coarse. Gravel is angular to subangular fine to coarse of slag and mudstone.	0.10	
						MADE GROUND. Grey sandy angular fine to coarse GRAVEL and COBBLES of slag with frequent angular boulders of slag.	(1.40)	
						Trial pit terminated at 1.50m bgl and backfilled with arisings.	1.50	

1. Position scanned with a CAT and Genny prior to excavation.
2. No groundwater encountered.

All dimensions in metres	Scale:	1:25
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Method Used:	Machine dug
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Plant Used:	13 Ton Tracked Excavator
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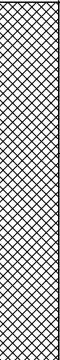
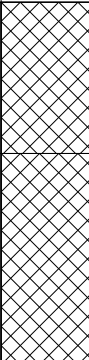
Logged **Kieran Bancroft**
By:

Checked By:



TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP3004
Contract Ref: 315531	Start: 02.09.24 End: 02.09.24	Ground Level: ---	National Grid Co-ordinate: E:276259.0 N:188483.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instru-mentation	Description of Strata	Depth (Thick-ness)	Material Graphic Legend
Depth	No	Type	Results					
0.80	B1	B				MADE GROUND. Grass over dark brown sandy slightly gravelly silt TOPSOIL. Sand if fine to coarse. Gravel is angular to subangular fine to coarse of slag and mudstone.	(0.50)	
							0.50	
						MADE GROUND. Grey sandy angular fine to coarse GRAVEL and COBBLES of slag with frequent angular boulders of slag.	(0.70)	
						Trial pit terminated at 1.20m bgl and backfilled with arisings.	1.20	

General Remarks					
1. Position scanned with a CAT and Genny prior to excavation. 2. No groundwater encountered.					
All dimensions in metres			Scale:	1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Kieran Bancroft	Checked By:		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP3005
Contract Ref: 315531	Start: 30.08.24 End: 30.08.24	Ground Level: ---	National Grid Co-ordinate: E:276356.0 N:188464.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.10	ES1	ES				MADE GROUND. Grass over dark brown sandy slightly gravelly silt TOPSOIL. Sand if fine to coarse. Gravel is angular to subangular fine to coarse of slag and mudstone.	0.20	
						MADE GROUND. Grey sandy angular fine to coarse GRAVEL and COBBLES of slag with frequent angular boulders of slag.	(2.10)	
1.50	ES2	ES					2.30	
Trial pit terminated at 2.30m bgl and backfilled with arisings.								

General Remarks				
1. Position scanned with a CAT and Genny prior to excavation. 2. No groundwater encountered.				
All dimensions in metres			Scale:	1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Kieran Bancroft	Checked By:	

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP3006
Contract Ref: 315531	Start: 02.09.24 End: 02.09.24	Ground Level: ---	National Grid Co-ordinate: E:276326.0 N:188469.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.90	B1	B				MADE GROUND. Grass over dark brown sandy slightly gravelly silt TOPSOIL. Sand if fine to coarse. Gravel is angular to subangular fine to coarse of slag and mudstone.	(0.50)	
							0.50	
						MADE GROUND. Grey sandy angular fine to coarse GRAVEL and COBBLES of slag with frequent angular boulders of slag.	(1.00)	
						Trial pit terminated at 1.50m bgl and backfilled with arisings.	1.50	

General Remarks					
1. Position scanned with a CAT and Genny prior to excavation. 2. No groundwater encountered.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Kieran Bancroft	Checked By:		

TRIAL PIT LOG

Contract: EAF Meltshop Project			Client: TATA Steel		Trial Pit: TP3007
Contract Ref: 315531	Start: 02.09.24 End: 02.09.24	Ground Level: ---	National Grid Co-ordinate: E:276440.0 N:188454.0		Sheet: 1 of 1

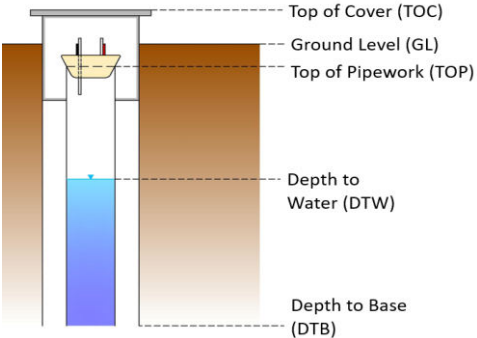
Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
1.50	B1	B				MADE GROUND. Grass over dark brown sandy slightly gravelly silt TOPSOIL. Sand if fine to coarse. Gravel is angular to subangular fine to coarse of slag ad mudstone.	(0.60)	
							0.60	
						MADE GROUND. Grey sandy angular fine to coarse GRAVEL and COBBLES of slag with frequent angular boulders of slag.	(1.20)	
						Trial pit terminated at 1.8m bgl and backfilled with arisings.	1.80	

General Remarks					
1. Position scanned with a CAT and Genny prior to excavation. 2. No groundwater encountered.					
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: Kieran Bancroft	Checked By:		

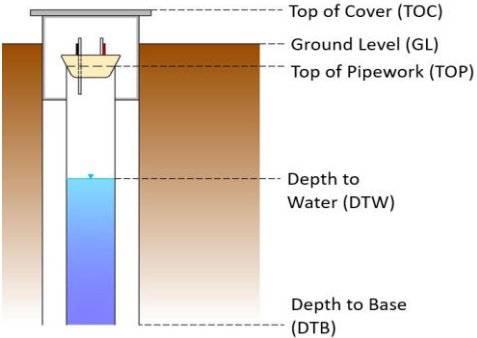
APPENDIX E

GROUND GAS MONITORING DATA AND SITE CONDITIONS

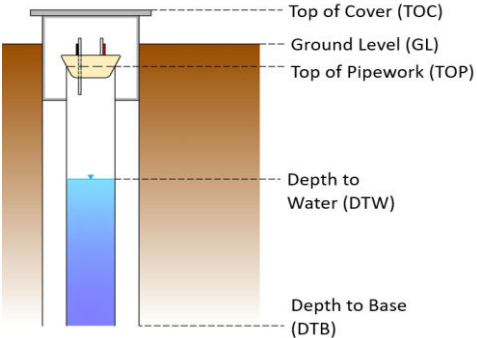
GAS MONITORING FIELD SHEET

Monitoring Date: 01.08.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Falling pressure				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising			
Exploratory Position ID:		BH301		Monitoring Round Number:		1		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	11:00		1011		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:30								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	-2.2	0	0.2	0.1	13.8	6	0		
5	-2.2	15	0.2	0.1	10.4	5	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	-2.2		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	-2.2								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.33	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		21.4	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Project		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

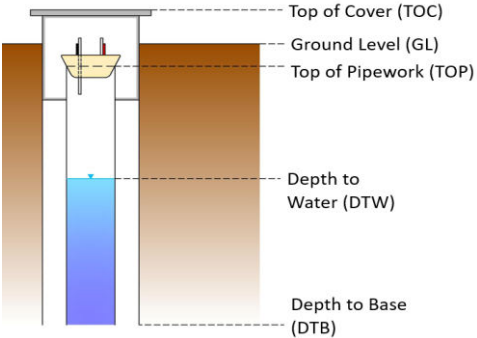
GAS MONITORING FIELD SHEET

Monitoring Date: 01.08.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0			
Pre-Testing Remarks:				Air Temperature: °C		Device: G508232			
Falling pressure				Weather:		Sunny			
				Ground Conditions:		Dry			
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising			
Exploratory Position ID:		BH311		Monitoring Round Number: 1		Test Number:			
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)			
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	11:00		1011		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:30								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	16.3	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.4	0	9.7	0.1	16.3	7	0		
5	0.4	15	9.7	0.1	15.5	5	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.4		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.4								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		7.7	Time:		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		7.7	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No			Purge End:		Water Observations:			
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

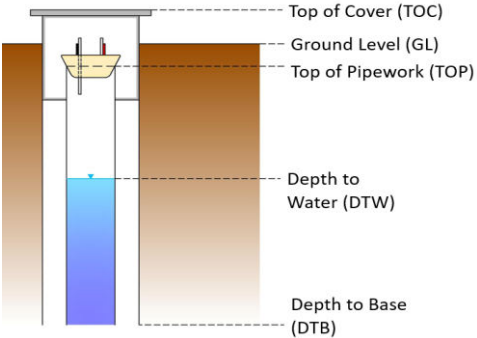
GAS MONITORING FIELD SHEET

Monitoring Date: 01.08.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0																			
Pre-Testing Remarks:				Air Temperature: °C		Device: G508232																			
Falling pressure				Weather:		Sunny																			
				Ground Conditions:		Dry																			
				Wind: NONE / LIGHT / MEDIUM / STRONG																					
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising																			
Exploratory Position ID:		BH315		Monitoring Round Number: 1		Test Number:																			
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)																			
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE																				
Time Start (hh:mm)	11:00		1011		Observations (e.g. on-site activities):																				
Time End (hh:mm)	14:30																								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)																		
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)																		
0	0.3	0	0.9	0.1	17.8	2	0																		
5	0.3	15	0.9	0.1	17.3	2	0																		
10		30																							
15		60																							
20		90																							
25		120																							
30		180																							
40		240																							
50		300																							
60		360																							
90		420																							
120		480																							
150		540																							
180		600																							
Stage 1 gas flow - Peak (l/h)	0.3		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.																						
Stage 1 gas flow - Steady State (l/h)	0.3																								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.18	Time:		LNAPL Top (from datum) (m):																			
	Depth (from datum) to well base (DTB): (m)		12.71	Purge Start:		DNAPL Top (from datum) (m):																			
	Hole Purged: Yes / No			Purge End:		Water Observations:																			
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)																					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No																				
					Sample Media: Gas/Water																				
					Gas Cannister Start (mb)																				
					Gas Cannister End (mb)																				
					Gas Cannister Duration (mins)																				
					<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Depth (from datum)</th> <th>Sample Ref</th> <th>Type (EW / G)</th> <th>Container</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		Depth (from datum)	Sample Ref	Type (EW / G)	Container															
Depth (from datum)	Sample Ref	Type (EW / G)	Container																						
		Contract Name: EAF Pproject		Data Collected By:																					
		Project Manager / Engineer: James Bloore		Checked:																					
		Contract Ref: 315531		Page number:																					

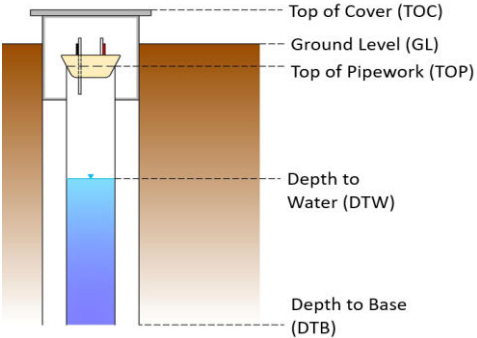
GAS MONITORING FIELD SHEET

Monitoring Date: 01.08.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0	
Pre-Testing Remarks:				Air Temperature: °C		Device: G508232	
Falling pressure				Weather:		Sunny	
				Ground Conditions:		Dry	
				Wind: NONE / LIGHT / MEDIUM / STRONG			
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising	
Exploratory Position ID:		BH317		Monitoring Round Number: 1		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		
Time Start (hh:mm)	11:00		1011		Observations (e.g. on-site activities):		
Time End (hh:mm)	14:30						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)
			PID (ppm)				
0	0.7	0	10.7	0.3	14.5	2	0
5	0.7	15	9.1	0.3	14.5	2	0
10		30					
15		60					
20		90					
25		120					
30		180					
40		240					
50		300					
60		360					
90		420					
120		480					
150		540					
180		600					
Stage 1 gas flow - Peak (l/h)	0.7		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.				
Stage 1 gas flow - Steady State (l/h)	0.7						
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.45	Time:	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		16.12	Purge Start:	DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No			Purge End:	Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)			
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No		
					Sample Media: Gas/Water		
					Gas Cannister Start (mb)		
					Gas Cannister End (mb)		
Gas Cannister Duration (mins)							
Depth (from datum)		Sample Ref	Type (EW / G)	Container			
		Contract Name:		EAF Pproject		Data Collected By:	
		Project Manager / Engineer:		James Bloore		Checked:	
		Contract Ref:		315531		Page number:	

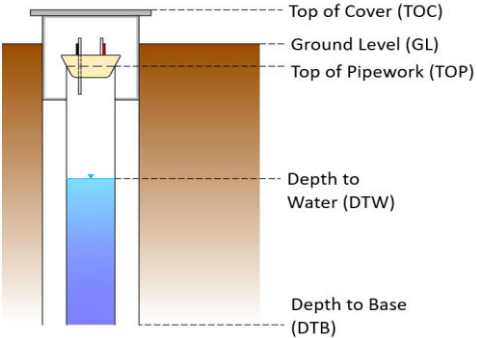
GAS MONITORING FIELD SHEET

Monitoring Date: 01.08.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Falling pressure				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising			
Exploratory Position ID:		BH322		Monitoring Round Number:		1		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	11:00		1011		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:30								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.7	0	0.8	0	17.5	2	0		
5	0.7	15	0.6	0	16.8	2	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.7		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.7								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		3.24	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		13.22	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name:		EAF Pproject		Data Collected By:			
		Project Manager / Engineer:		James Bloore		Checked:			
		Contract Ref:		315531		Page number:			

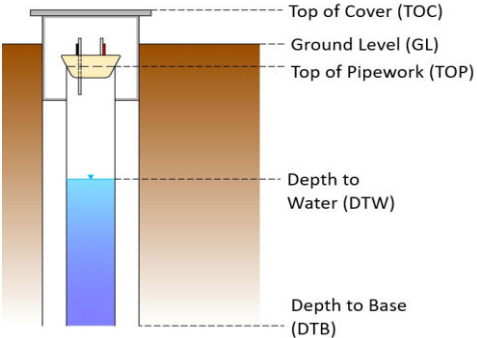
GAS MONITORING FIELD SHEET

Monitoring Date: 01.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Falling pressure				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising			
Exploratory Position ID:		BH322		Monitoring Round Number:		1		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	11:00		1011		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:30								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.5	0	0.2	0.1	19.5	2	0		
5	0.5	15	0.2	0.1	19.5	2	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.5		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.5								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.26	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		14.74	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

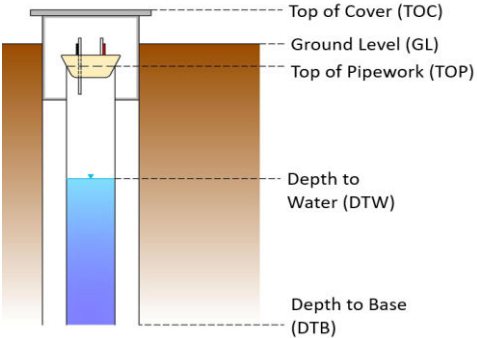
GAS MONITORING FIELD SHEET

Monitoring Date: 01.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Falling pressure				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH328		Monitoring Round Number:		1		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	11:00		1011		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:30								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.2	0	0.1	0.1	19.8	1	0		
5	0.2	15	0.1	0.1	19.8	1	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.2		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.2								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		10.6	Time:			LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		18	Purge Start:			DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No			Purge End:			Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
				Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level. Bent standpipe. Bailer couldn't fit down.		Samples Taken: Yes / No			
						Sample Media: Gas/Water			
						Gas Cannister Start (mb)			
						Gas Cannister End (mb)			
						Gas Cannister Duration (mins)			
						Depth (from datum)	Sample Ref	Type (EW / G)	Container
		Contract Name:		EAF Pproject		Data Collected By:			
		Project Manager / Engineer:		James Bloore		Checked:			
		Contract Ref:		315531		Page number:			

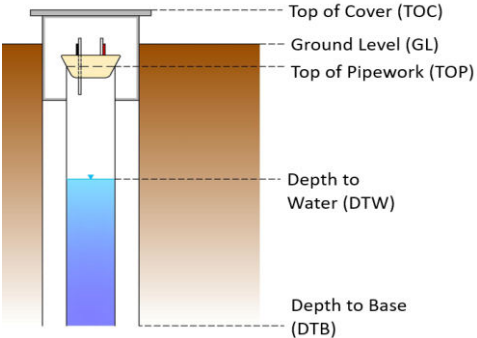
GAS MONITORING FIELD SHEET

Monitoring Date: 01.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling					
Exploratory Position ID:		BH329		Monitoring Round Number:		1		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm / 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	11:00		1011		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:30								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.7	0	3.2	0	17.2	3	0		N/A
5	0.7	15	3.2	0	17.2	3	1		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.7		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.7								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		11.15	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		12.49	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level. Bent standpipe. Bailer couldn't fit down.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

GAS MONITORING FIELD SHEET

Monitoring Date: 01.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Falling pressure				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising			
Exploratory Position ID:		BH331		Monitoring Round Number:		1		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	11:00		1011		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:30								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.6	0	0.3	0.5	18.5	2	0		
5	0.6	15	0.3	0.3	18.5	2	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.6		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.6								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		3.37	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		8.28	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

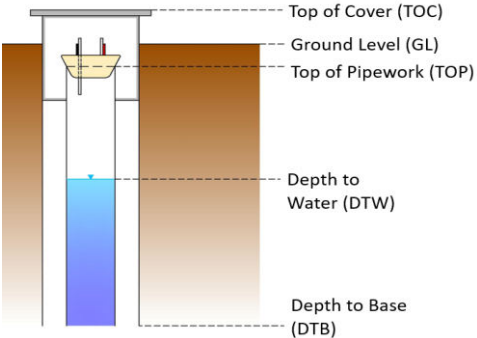
GAS MONITORING FIELD SHEET

Monitoring Date: 09.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Pressure rising				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH301		Monitoring Round Number:		2		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	10:00		1014		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:00								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	-1.8	0	0.1	0.1	12.8	5	0		N/A
5	-1.8	15	0.1	0.1	10.7	5	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	-1.8		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	-1.8								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.4	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		21.34	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

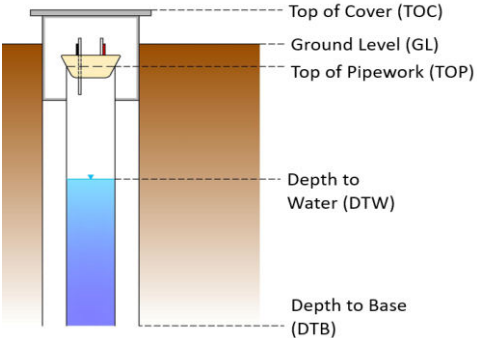
GAS MONITORING FIELD SHEET

Monitoring Date:		09.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0			
Pre-Testing Remarks:				Air Temperature: °C				Device:		G508232			
Pressure rising				Weather:		Sunny		Serial Number:					
				Ground Conditions:		Dry		Daily Check:					
				Wind: NONE / LIGHT / MEDIUM / STRONG									
				Tidal State: (if applicable) High / Low / Rising / Falling						Falling			
Exploratory Position ID:			BH311		Monitoring Round Number:		2		Test Number:				
Install Type: SINGLE / DOUBLE					Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)				
Time of Monitoring (hh:mm)		Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE							
Time Start (hh:mm)		10:00		1014		Observations (e.g. on-site activities):							
Time End (hh:mm)		14:00											
Stage 1 Flow Readings		Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)			
Time of flow monitoring (sec)		Flow Reading (l/hr)	Time of gas monitoring (sec)										
0		0.4	0	9.1	0.1	16.6	4	0		N/A			
5		0.4	15	8.9	0.1	16.2	4	0					
10			30										
15			60										
20			90										
25			120										
30			180										
40			240										
50			300										
60			360										
90			420										
120			480										
150			540										
180			600										
Stage 1 gas flow - Peak (l/h)		0.4		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.									
Stage 1 gas flow - Steady State (l/h)		0.4											
STAGE 3 WATER LEVEL OBSERVATION		Depth (from datum) to water (DTW): (m)		7.7	Time:		LNAPL Top (from datum) (m):						
		Depth (from datum) to well base (DTB): (m)		7.7	Purge Start:		DNAPL Top (from datum) (m):						
		Hole Purged: Yes / No			Purge End:		Water Observations:						
		Purge Volume: (litrs)		Post-Purge (DTW) (m)									
Top of Cover (TOC) Ground Level (GL) Top of Pipework (TOP) Depth to Water (DTW) Depth to Base (DTB)				Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.	Samples Taken: Yes / No								
					Sample Media: Gas/Water								
					Gas Cannister Start (mb)								
					Gas Cannister End (mb)								
					Gas Cannister Duration (mins)								
					Depth (from datum)	Sample Ref	Type (EW / G)	Container					
		Contract Name:		EAF Pproject			Data Collected By:						
		Project Manager / Engineer:		James Bloore			Checked:						
		Contract Ref:		315531			Page number:						
TPF210 Issue 6													

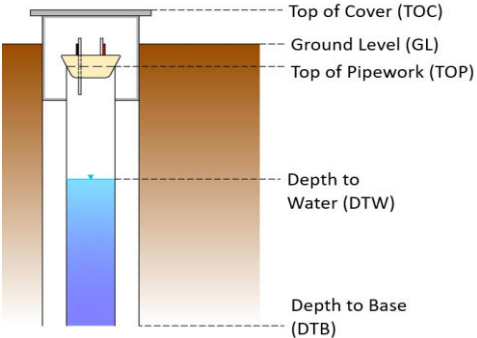
GAS MONITORING FIELD SHEET

Monitoring Date: 09.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Pressure rising				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH315		Monitoring Round Number:		2		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	10:00		1014		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:00								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.2	0	0.9	0.1	17.9	2	0		N/A
5	0.2	15	0.9	0.1	17.9	2	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.2		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.2								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.29	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		12.7	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

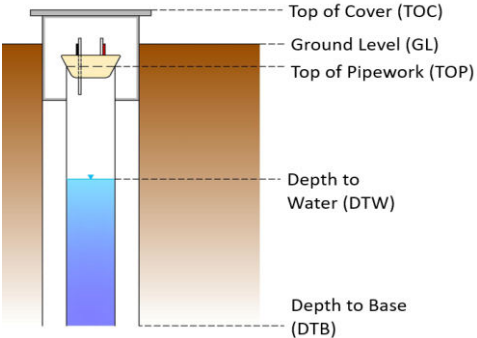
GAS MONITORING FIELD SHEET

Monitoring Date: 09.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Pressure rising				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH317		Monitoring Round Number:		2		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	10:00		1014		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:00								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.7	0	10	0.2	14.9	2	0		N/A
5	0.7	15	9.3	0.2	14.9	2	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.7		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.7								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.58	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		16.12	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
		Depth (from datum)	Sample Ref	Type (EW / G)	Container				
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

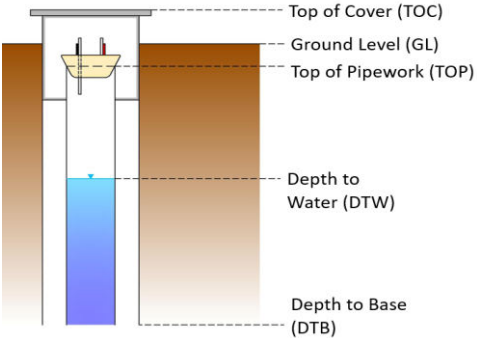
GAS MONITORING FIELD SHEET

Monitoring Date: 09.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Pressure rising				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH322		Monitoring Round Number:		2		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	10:00		1014		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:00								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.6	0	0.5	0	17.8	2	0		N/A
5	0.6	15	0.5	0	17.8	2	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.6		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.6								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		3.38	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		13.2	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
		Depth (from datum)	Sample Ref	Type (EW / G)	Container				
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

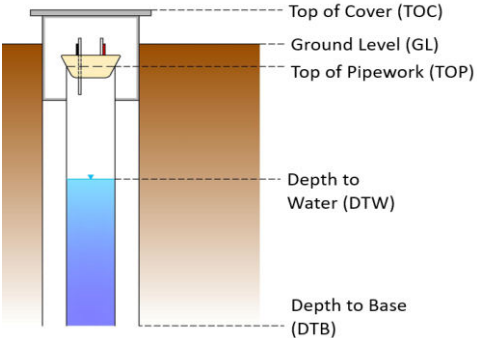
GAS MONITORING FIELD SHEET

Monitoring Date: 09.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Pressure rising				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH324		Monitoring Round Number:		2		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	10:00		1014		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:00								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.4	0	0.2	0.1	19.5	2	0		N/A
5	0.4	15	0.2	0.1	19.5	2	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.4		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.4								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.43	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		14.62	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

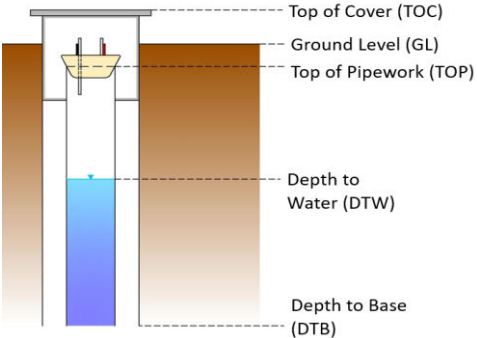
GAS MONITORING FIELD SHEET

Monitoring Date: 09.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Pressure rising				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH328		Monitoring Round Number:		2		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	10:00		1014		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:00								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.2	0	0.1	0	19.5	1	0		N/A
5	0.2	15	0.1	0	19.5	1	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.2		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.2								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		10.55	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		17.95	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

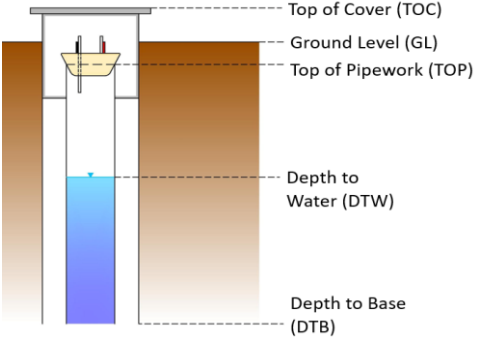
GAS MONITORING FIELD SHEET

Monitoring Date: 09.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m): 0			
Pre-Testing Remarks:				Air Temperature: °C		Device: G508232			
Pressure rising				Weather:		Sunny			
				Ground Conditions:		Dry			
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH329		Monitoring Round Number: 2		Test Number:			
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)			
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	10:00		1014		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:00								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.4	0	3	0	17.4	2	0		N/A
5	0.4	15	3.2	0	17.4	2	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.4		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.4								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		11.18	Time:		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		12.45	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No			Purge End:		Water Observations:			
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

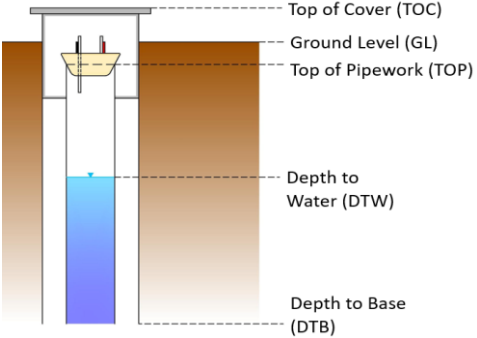
GAS MONITORING FIELD SHEET

Monitoring Date: 09.08.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Pressure rising				Weather:		Sunny		Serial Number:	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH331		Monitoring Round Number:		2		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	10:00		1014		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:00								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.5	0	0.2	0.3	18.5	2	0		N/A
5	0.5	15	0.3	0.3	18.5	2	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.5		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.5								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		3.49	Time:		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		8.13	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No			Purge End:		Water Observations:			
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		
			Project Manager / Engineer:		James Bloore		Checked:		
			Contract Ref:		315531		Page number:		

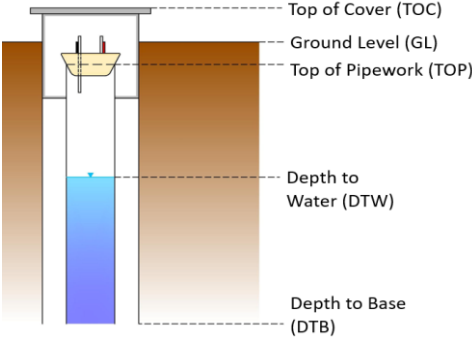
GAS MONITORING FIELD SHEET

Monitoring Date: 30.09.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:			
Falling pressure				Weather:		OVERCAST		Serial Number: G508232	
				Ground Conditions:		WET		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH301		Monitoring Round Number:		3		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		1		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)			986		Observations (e.g. on-site activities):				
Time End (hh:mm)									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0		0	0	0.1	18.3	3	0	0	
5		15							
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.4	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		21.34	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
				Post testing remarks:		Samples Taken: Yes / No			
						Sample Media: Gas/Water			
						Gas Cannister Start (mb)			
						Gas Cannister End (mb)			
						Gas Cannister Duration (mins)			
						Depth (from datum)	Sample Ref	Type (EW / G)	Container
		Contract Name:		TATA Steel		Data Collected By:		James Bloor	
		Project Manager / Engineer:		James Bloor		Checked:			
		Contract Ref:		2072340		Page number:			

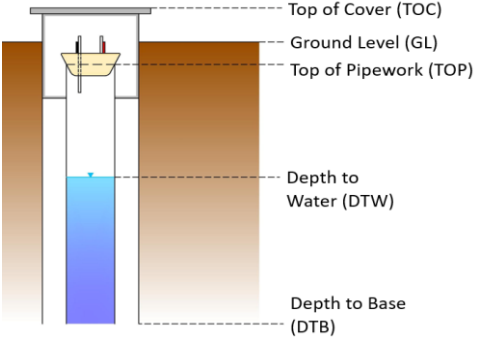
GAS MONITORING FIELD SHEET

Monitoring Date: 30.09.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:			
Falling pressure				Weather:		OVERCAST		Serial Number: G508232	
				Ground Conditions:		WET		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH311		Monitoring Round Number:		3		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		1		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)			986		Observations (e.g. on-site activities):				
Time End (hh:mm)									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0		0	0	0.1	18.2	2	0	0	
5		15							
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		7.32	Time:			LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		7.51	Purge Start:			DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No			Purge End:			Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
				Post testing remarks:	Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name:		TATA Steel		Data Collected By:		James Bloor	
		Project Manager / Engineer:		James Bloor		Checked:			
		Contract Ref:		2072340		Page number:			

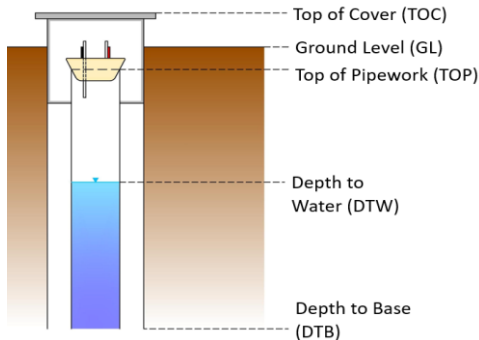
GAS MONITORING FIELD SHEET

Monitoring Date: 30.09.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:			
Steady state value are taken when there is no change				Weather:		OVERCAST		Serial Number: G508232	
				Ground Conditions:		WET		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling					
Exploratory Position ID:		BH315		Monitoring Round Number:		3		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		1		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)			986		Observations (e.g. on-site activities):				
Time End (hh:mm)									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0		0	0.4	0.01	19.9	0	0	0	
5		15							
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		0.07	Time:		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		26.94	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No			Purge End:		Water Observations:			
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
			Post testing remarks:		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name:		TATA Steel		Data Collected By:		James Bloor	
		Project Manager / Engineer:		James Bloor		Checked:			
		Contract Ref:		2072340		Page number:			

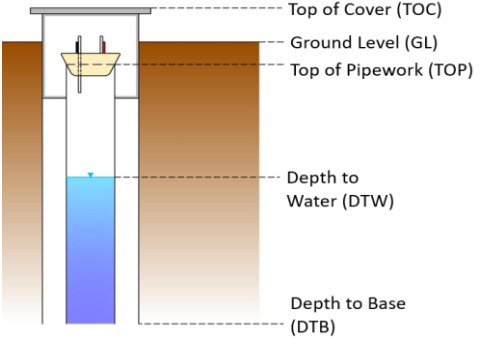
GAS MONITORING FIELD SHEET

Monitoring Date: 30.09.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:			
Falling pressure				Weather:		OVERCAST		Serial Number: G508232	
				Ground Conditions:		WET		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Falling			
Exploratory Position ID:		BH317		Monitoring Round Number:		3		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		1		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)			986		Observations (e.g. on-site activities):				
Time End (hh:mm)									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0		0	6.2	0.2	15.8	1	0	0	
5		15							
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.15	Time:				LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		16.09	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:				Water Observations:	
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
				Post testing remarks:		Samples Taken: Yes / No			
						Sample Media: Gas/Water			
						Gas Cannister Start (mb)			
						Gas Cannister End (mb)			
						Gas Cannister Duration (mins)			
						Depth (from datum)	Sample Ref	Type (EW / G)	Container
		Contract Name:		TATA Steel		Data Collected By:		James Bloor	
		Project Manager / Engineer:		James Bloor		Checked:			
		Contract Ref:		2072340		Page number:			

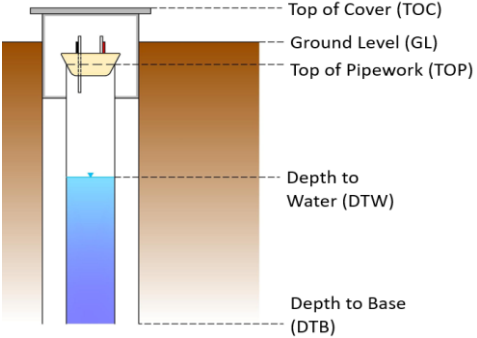
GAS MONITORING FIELD SHEET

Monitoring Date:		30.09.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0			
Pre-Testing Remarks:				Air Temperature: °C				Device:					
Steady state value are taken when there is no change in readings for 30 seconds				Weather:		OVERCAST		Serial Number:		G508232			
				Ground Conditions:		WET		Daily Check:					
				Wind: NONE / LIGHT / MEDIUM / STRONG									
				Tidal State: (if applicable) High / Low / Rising / Falling									
Exploratory Position ID:		BH322		Monitoring Round Number:		3		Test Number:					
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		1		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)					
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE								
Time Start (hh:mm)			986		Observations (e.g. on-site activities):								
Time End (hh:mm)													
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)				
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)											
0		0	0.1	0	20.1	1	0	0					
5		15											
10		30											
15		60											
20		90											
25		120											
30		180											
40		240											
50		300											
60		360											
90		420											
120		480											
150		540											
180		600											
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.										
Stage 1 gas flow - Steady State (l/h)	0												
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		3.38		Time:				LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		13.2		Purge Start:				DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No				Purge End:				Water Observations:				
	Purge Volume: (ltrs)				Post-Purge (DTW) (m)								
				Post testing remarks:		Samples Taken: Yes / No							
						Sample Media: Gas/Water							
						Gas Cannister Start (mb)							
						Gas Cannister End (mb)							
						Gas Cannister Duration (mins)							
						Depth (from datum)	Sample Ref	Type (EW / G)	Container				
		Contract Name:		TATA Steel			Data Collected By:		James Bloor				
		Project Manager / Engineer:		James Bloor			Checked:						
		Contract Ref:		2072340			Page number:						
TPF210 Issue 6													

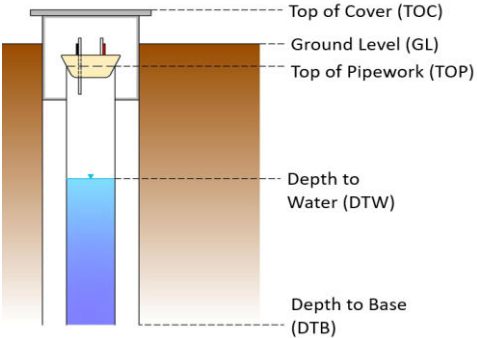
GAS MONITORING FIELD SHEET

Monitoring Date: 30.09.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:			
Falling pressure				Weather:		OVERCAST		Serial Number: G508232	
				Ground Conditions:		WET		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising			
Exploratory Position ID:		BH324		Monitoring Round Number:		3		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		1		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)			986		Observations (e.g. on-site activities):				
Time End (hh:mm)									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0		0	0	0.1	20.1	0	0	0	
5		15							
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.43	Time:		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		14.62	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No			Purge End:		Water Observations:			
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
				Post testing remarks:		Samples Taken: Yes / No			
						Sample Media: Gas/Water			
						Gas Cannister Start (mb)			
						Gas Cannister End (mb)			
						Gas Cannister Duration (mins)			
						Depth (from datum)	Sample Ref	Type (EW / G)	Container
		Contract Name:		TATA Steel		Data Collected By:		James Bloor	
		Project Manager / Engineer:		James Bloor		Checked:			
		Contract Ref:		2072340		Page number:			

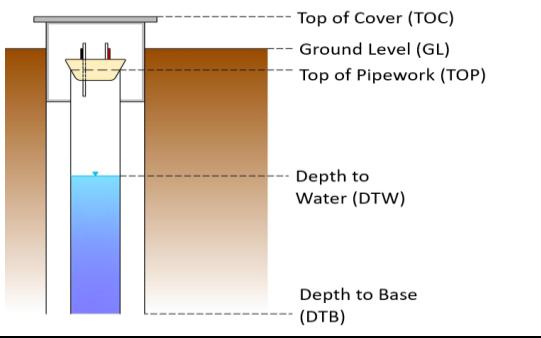
GAS MONITORING FIELD SHEET

Monitoring Date: 30.09.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:			
Falling pressure				Weather:		OVERCAST		Serial Number: G508232	
				Ground Conditions:		WET		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising			
Exploratory Position ID:		BH329		Monitoring Round Number:		3		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		1		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)			986		Observations (e.g. on-site activities):				
Time End (hh:mm)									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0		0	0	0.1	20.3	0	0	0	
5		15							
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		10.3	Time:		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		17.1	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No			Purge End:		Water Observations:			
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
				Post testing remarks:		Samples Taken: Yes / No			
						Sample Media: Gas/Water			
						Gas Cannister Start (mb)			
						Gas Cannister End (mb)			
						Gas Cannister Duration (mins)			
						Depth (from datum)	Sample Ref	Type (EW / G)	Container
		Contract Name:		TATA Steel		Data Collected By:		James Bloor	
		Project Manager / Engineer:		James Bloor		Checked:			
		Contract Ref:		2072340		Page number:			

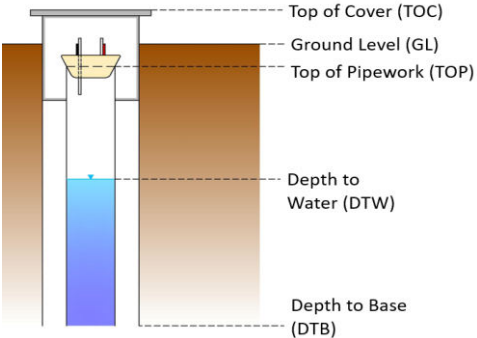
GAS MONITORING FIELD SHEET

Monitoring Date: 30.09.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m): 0	
Pre-Testing Remarks:				Air Temperature: °C		Device: G508232	
Falling pressure				Weather:		OVERCAST	
				Ground Conditions:		WET	
				Wind: NONE / LIGHT / MEDIUM / STRONG			
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising	
Exploratory Position ID:		BH328		Monitoring Round Number: 3		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		
Time Start (hh:mm)	10:00		867		Observations (e.g. on-site activities):		
Time End (hh:mm)	14:00						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)
0	0.2	0	0	0.1	20.3	0	0
5	0.2	15	0	0.1	20.3	0	0
10		30					
15		60					
20		90					
25		120					
30		180					
40		240					
50		300					
60		360					
90		420					
120		480					
150		540					
180		600					
Stage 1 gas flow - Peak (l/h)	0.2		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.				
Stage 1 gas flow - Steady State (l/h)	0.2						
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		10.3	Time:		LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		17.7	Purge Start:		DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No			Purge End:		Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)			
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No		
					Sample Media: Gas/Water		
					Gas Cannister Start (mb)		
					Gas Cannister End (mb)		
					Gas Cannister Duration (mins)		
					Depth (from datum)	Sample Ref	Type (EW / G)
		Contract Name:		EAF Pproject		Data Collected By:	
		Project Manager / Engineer:		James Bloore		Checked:	
		Contract Ref:		315531		Page number:	

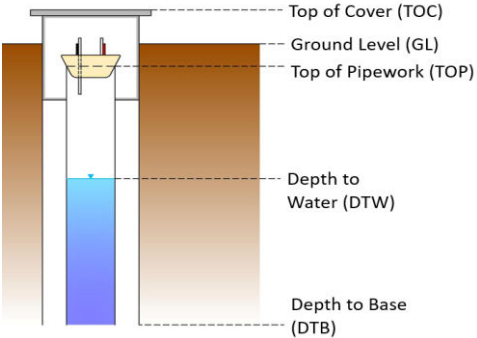
GAS MONITORING FIELD SHEET

Monitoring Date: 30.09.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0		
Pre-Testing Remarks:				Air Temperature: 13 °C		Device: GA5000		
Falling pressure				Weather: Sunny		Serial Number: G507779		
				Ground Conditions: Dry		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG				
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID:		BH330		Monitoring Round Number: 3		Test Number: 1		
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE			
Time Start (hh:mm)			987	0.3	Observations (e.g. on-site activities):			
Time End (hh:mm)								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	0	0	21	0	0	
5	0	15	1	0.3	19.8	1	0	
10	0	30	1.1	0.3	19.6	1	0	
15	0	60	1.1	0.3	19.6	1	0	
20	0	90	1.1	0.3	19.6	1	0	
25								
30								
40								
50								
60								
90								
120								
150								
180								
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.54	Time:		LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		6.5	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (ltrs)			Post-Purge (DTW): (m)				
			Post testing remarks:		Samples Taken: Yes / No		No	
					Sample Media: Gas/Water		N/A	
					Gas Cannister Start (mb)			
					Gas Cannister End (mb)			
					Gas Cannister Duration (mins)			
					Depth (from datum)	Sample Ref	Type (EW / G)	Container
		Contract Name:		EAF		Data Collected By: James Bloor		
		Project Manager / Engineer:		James Bloore		Checked:		
		Contract Ref:		315531		Page number:		

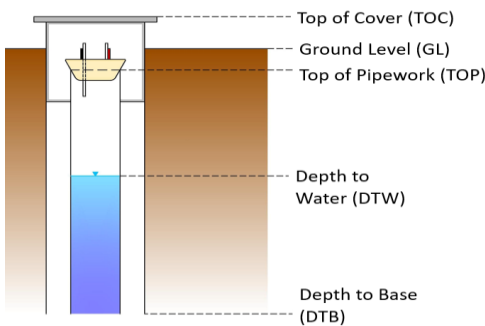
GAS MONITORING FIELD SHEET

Monitoring Date: 30.09.2024		Measurement datum: TOC / GL / TOP / Other		GL		Offset to GL (m):		0	
Pre-Testing Remarks:				Air Temperature: °C		Device:		G508232	
Falling pressure				Weather:		Sunny		Serial Number: G507779	
				Ground Conditions:		Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG					
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising			
Exploratory Position ID:		BH331		Monitoring Round Number:		3		Test Number:	
Install Type: SINGLE / DOUBLE				Pipe Ref: 1) Shallow 2) Deep				Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE				
Time Start (hh:mm)	10:00		986		Observations (e.g. on-site activities):				
Time End (hh:mm)	14:00								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.5	0	0.2	0.3	18.5	2	0		N/A
5	0.5	15	0.3	0.3	18.5	2	0		
10		30							
15		60							
20		90							
25		120							
30		180							
40		240							
50		300							
60		360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.5		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.5								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		3.56	Time:		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		8.13	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No			Purge End:		Water Observations:			
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)					
			Post testing remarks: Steady state value are taken when there is no change for 1 minute. All measurements taken from the current ground level.		Samples Taken: Yes / No				
					Sample Media: Gas/Water				
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
			Contract Name:		EAF Pproject		Data Collected By:		James Bloor
			Project Manager / Engineer:				Checked:		
			Contract Ref:		315531		Page number:		

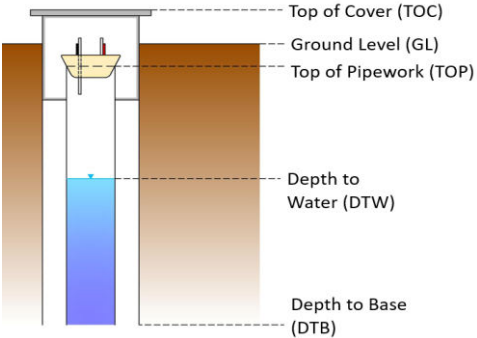
GAS MONITORING FIELD SHEET

Monitoring Date: 29.10.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m):		0			
Pre-Testing Remarks:				Air Temperature: °C		13		Device: GA5000			
Stable pressure				Weather:		Sunny		Serial Number: NA			
				Ground Conditions:		Wet		Daily Check:			
				Wind: NONE / LIGHT / MEDIUM / STRONG						Light	
				Tidal State: (if applicable) High / Low / Rising / Falling						Rising	
Exploratory Position ID:		BH301		Monitoring Round Number:		4		Test Number: 1			
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50			
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single				
Time Start (hh:mm)	12:11	13:11	1023	0.02	Observations (e.g. on-site activities):						
Time End (hh:mm)	12:14	13:21									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)		
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)									
0	0	0	0.1	0.1	21.1	1					
5	0	15	0.1	0	17.2	13					
10	0	30	0.2	0	15.9	1					
15	0	60	0.2	0	15.8						
20		90	0.2	0	15.8						
25		120	0.2	0	15.8						
30		180									
40		240									
50		300									
60		360									
90		420									
120		480									
150		540									
180		600									
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.								
Stage 1 gas flow - Steady State (l/h)	0										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.38	Time:	12:11:00	LNAPL Top (from datum) (m):					
	Depth (from datum) to well base (DTB): (m)		20.1	Purge Start:		DNAPL Top (from datum) (m):					
	Hole Purged: Yes / No		No	Purge End:		Water Observations:					
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)							
				Post testing remarks:		Samples Taken: Yes / No		No			
						Sample Media: Gas/Water		N/A			
				Gas Cannister Start (mb)							
				Gas Cannister End (mb)							
				Gas Cannister Duration (mins)							
				Depth (from datum)	Sample Ref	Type (EW / G)	Container				
				Contract Name:		EAF		Data Collected By: Jagan Raj			
				Project Manager / Engineer:		James Bloore		Checked:			
				Contract Ref:		315531		Page number:			

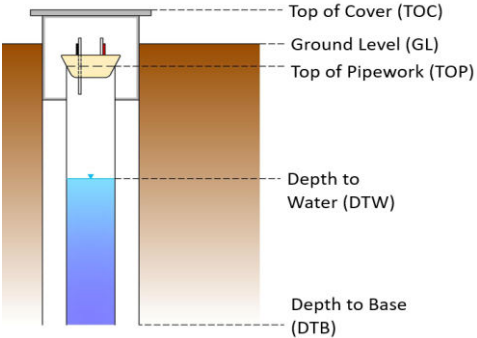
GAS MONITORING FIELD SHEET

Monitoring Date: 29.10.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.25		
Pre-Testing Remarks:				Air Temperature: °C		13		
Stable pressure				Weather:		Sunny		
				Ground Conditions:		Wet		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID:		BH311		Monitoring Round Number:		4		
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		
						50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	13:44	13:44	1023	0.05	Observations (e.g. on-site activities):			
Time End (hh:mm)	13:47	13:54						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)						
0	0	0	0.1	0.1	20.9	0	0	
5	0	15	2.8	0	18.6	1	0	
10	0	30	5.3	0	18.2	1	0	
15	0	60	5.9	0	18.2	2	0	
20		90	5.9	0	18.2	2	0	
25		120	5.9	0	18.2	2	0	
30		180	6	0	18.2	2	0	
40		240	6	0	18.2	2	0	
50		300	6	0	18.2	3	0	
60		360	5.7	0	18.4	3	0	
90		420	5.3	0	18.6	3	0	
120		480	5.1	0	18.7	3	0	
150		540	4.8	0	18.8	3	0	
180		600	4.5	0	19	3	0	
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		7.79	Time:	13:44:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		8.15	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (ltrs)			Post-Purge (DTW): (m)				
			Post testing remarks:		Samples Taken: Yes / No		No	
					Sample Media: Gas/Water		N/A	
					Gas Cannister Start (mb)			
					Gas Cannister End (mb)			
					Gas Cannister Duration (mins)			
					Depth (from datum)	Sample Ref	Type (EW / G)	Container
		Contract Name:		EAF		Data Collected By:		
		Project Manager / Engineer:		James Bloore		Checked:		
		Contract Ref:		315531		Page number:		

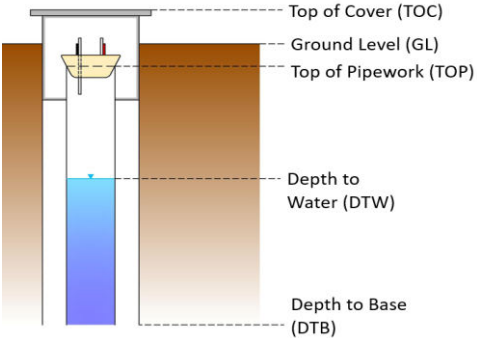
GAS MONITORING FIELD SHEET

Monitoring Date: 29.10.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.05		
Pre-Testing Remarks:				Air Temperature: 13 °C		Device: GA5000		
Stable pressure				Weather: Sunny		Serial Number: NA		
				Ground Conditions: Wet		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID: BH315		Monitoring Round Number: 4		Test Number: 1				
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double	
Time Start (hh:mm)	09:52	09:52	1024	0.02	Observations (e.g. on-site activities):			
Time End (hh:mm)	09:55	10:02						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	0	0.1	19.8	0	0	
5	0	15	0	0.1	18.3	2	0	
10	0	30	0	0.1	17.8	2	0	
15	0	60	0	0.1	17.7	1	0	
20	0	90	0	0.1	17.7	1	0	
25		120	0	0.1	17.7	1	0	
30		180	0	0.1	17.7	1	0	
40		240	0	0.1	17.7	1	0	
50		300						
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.19	Time:	09:52:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		15.42	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name: EAF		Data Collected By:		Rachael Lockyer		
		Project Manager / Engineer:		James Bloore		Checked:		
		Contract Ref: 315531		Page number:				

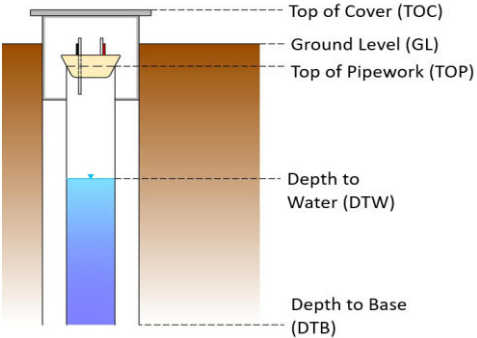
GAS MONITORING FIELD SHEET

Monitoring Date: 29.10.2024		Measurement datum: TOC / GL / TOP / Other		TOP		Offset to GL (m): 0.3		
Pre-Testing Remarks:				Air Temperature: 13 °C		Device: GA5000		
Stable pressure				Weather: Sunny		Serial Number: NA		
				Ground Conditions: Wet		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID: BH317		Monitoring Round Number: 4		Test Number: 1				
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm / 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	10:36	10:36	1025	5.5	Observations (e.g. on-site activities):			
Time End (hh:mm)	10:39	10:46						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	0	0	21.3	0	0	
5	0	15	93.3	1.8	0.4	1	0	
10	0	30	93.8	1.8	0.2	1	0	
15	0	60	93.8	1.8	0.2	1	0	
20	0	90	93.9	1.8	0.2	1	0	
25	0	120	94	1.8	0.1	1	0	
30	0	180	93.9	1.8	0.1	1	0	
40		240	84.3	1.6	3.2	0	8	
50		300	60.1	1.2	7.3	0	0	
60		360	39.3	0.8	11.6	0	0	
90		420	36.1	0.7	12.3	0	0	
120		480	33.7	0.7	12.9	0	0	
150		540	29.7	0.6	13.9	0	0	
180		600	27.7	0.6	14.4	0	0	
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.45	Time:	10:36:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		6.82	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name: EAF		Data Collected By:		Rachael Lockyer		
		Project Manager / Engineer:		James Bloore		Checked:		
		Contract Ref: 315531				Page number:		

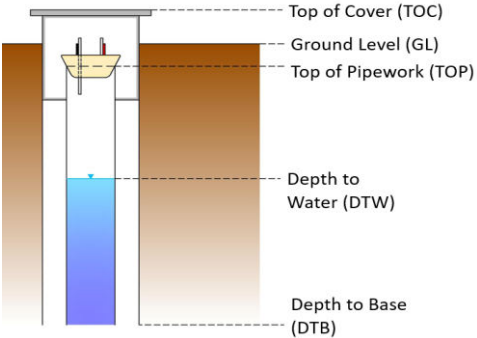
GAS MONITORING FIELD SHEET

Monitoring Date: 29.10.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.35		
Pre-Testing Remarks:				Air Temperature: 13 °C		Device: GA5000		
Stable pressure				Weather: Sunny		Serial Number: NA		
				Ground Conditions: Wet		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID: BH324		Monitoring Round Number: 4		Test Number: 1				
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	14:58	14:58	1023	0.02	Observations (e.g. on-site activities):			
Time End (hh:mm)	15:01	15:08						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
			PID (ppm)					
0	0	0	0	0	20.6	0	0	
5	0	15	0.1	0	20.8	2	0	
10	0	30	0	0	20.9	2	0	
15	0	60	0	0	20.9	2	0	
20		90	0	0	20.9	2	0	
25		120	0	0	21	2	0	
30		180	0	0	21	2	0	
40		240	0	0	21	2	0	
50		300	0	0	21	2	0	
60		360	0	0	21	1	0	
90		420	0	0	21.1	2	0	
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.29	Time:	14:58:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		2.4	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name: EAF		Data Collected By:		Rachael Lockyer		
		Project Manager / Engineer:		James Bloore		Checked:		
		Contract Ref: 315531		Page number:				

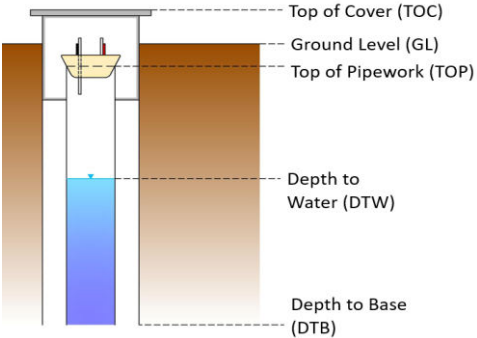
GAS MONITORING FIELD SHEET

Monitoring Date: 29.10.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.25		
Pre-Testing Remarks:				Air Temperature: 13 °C		Device: GA5000		
Stable pressure				Weather: Sunny		Serial Number: NA		
				Ground Conditions: Wet		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID: BH328		Monitoring Round Number: 4		Test Number: 1				
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	13:17	13:17	1023	5.55	Observations (e.g. on-site activities):			
Time End (hh:mm)	13:20	13:27						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
0	0	0					PID (ppm)	
5	0	15	26.6	10.6	1.3	2	0	
10	0	30	26.8	10.7	0.3	2	0	
15	0	60	26.9	10.8	0.2	1	0	
20	0	90	26.9	10.8	0.2	1	0	
25	0	120	26.9	10.8	0.1	1	0	
30		180	26.9	10.8	0.1	1	0	
40		240	27	10.8	0.1	1	0	
50		300	27	10.8	0.1	1	0	
60		360	27	10.8	0	1	0	
90		420	27.1	10.8	0	1	0	
120		480	27.1	10.8	0	0	0	
150		540	27.2	10.8	0	1	0	
180		600	27.2	10.8	0	1	0	
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		10.61	Time:	13:17:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		18.09	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name: EAF		Data Collected By:		Rachael Lockyer		
		Project Manager / Engineer:		James Bloore		Checked:		
		Contract Ref: 315531				Page number:		

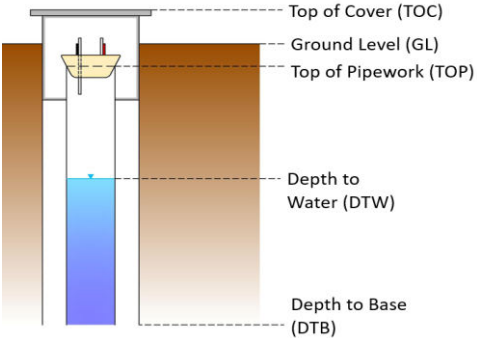
GAS MONITORING FIELD SHEET

Monitoring Date: 29.10.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.3		
Pre-Testing Remarks:				Air Temperature: 13 °C		Device: GA5000		
Stable pressure				Weather: Sunny		Serial Number: NA		
				Ground Conditions: Wet		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID: BH329		Monitoring Round Number: 4		Test Number: 1				
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	11:42	11:42	1023	5	Observations (e.g. on-site activities):			
Time End (hh:mm)	11:45	11:52						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	0	0	21.4	0	0	
5	0	15	2	0.1	17.5	2	0	
10	0	30	3.1	0.2	17.2	2	0	
15	0	60	3.2	0.2	17.2	1	0	
20	0	90	3.2	0.2	17.2	2	0	
25	0	120	3.3	0.2	17.1	2	0	
30	0	180	3.3	0.2	17.1	2	0	
40		240	3.3	0.2	17.1	2	0	
50		300	3.3	0.2	17.1	1	0	
60		360	3.3	0.2	17	2	0	
90		420	3.4	0.2	16.9	1	0	
120		480	3.5	0.2	16.9	1	0	
150		540	3.5	0.2	16.9	1	0	
180		600	3.5	0.2	16.9	1	0	
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		10.33	Time:	11:42:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		11.68	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name: EAF		Data Collected By:		Rachael Lockyer		
		Project Manager / Engineer:		James Bloore		Checked:		
		Contract Ref: 315531		Page number:				

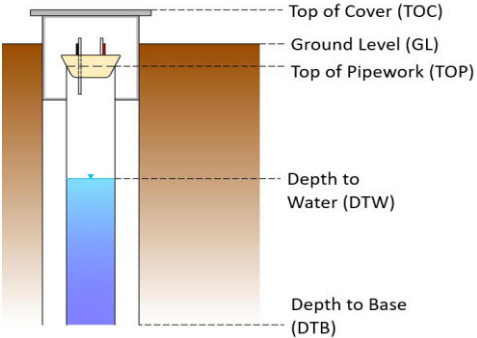
GAS MONITORING FIELD SHEET

Monitoring Date: 29.10.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.2	
Pre-Testing Remarks:				Air Temperature: 13 °C		Device: GA5000	
Stable pressure				Weather: Sunny		Serial Number: NA	
				Ground Conditions: Wet		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light	
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising	
Exploratory Position ID: BH330		Monitoring Round Number: 4		Test Number: 1			
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow	
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double
Time Start (hh:mm)	10:54	10:54	1025	0.3	Observations (e.g. on-site activities):		
Time End (hh:mm)	10:57	11:04					
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)
							PID (ppm)
0	0	0	0	0	21	0	0
5	0	15	1	0.3	19.8	1	0
10	0	30	1.1	0.3	19.6	1	0
15	0	60	1.1	0.3	19.6	1	0
20	0	90	1.1	0.3	19.6	1	0
25		120	1.1	0.3	19.5	1	0
30		180	1	0.3	19.6	1	0
40		240	0.8	0.2	19.6	0	0
50		300	0.7	0.2	19.6	1	0
60		360	0.7	0.2	19.6	0	0
90		420	0.7	0.2	19.5	1	0
120		480	0.6	0.2	19.5	1	0
150		540	0.6	0.2	19.5	1	0
180		600	0.6	0.2	19.4	1	0
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.				
Stage 1 gas flow - Steady State (l/h)	0						
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.5	Time:	10:54:00	LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		6.5	Purge Start:		DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No		No	Purge End:		Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)			
			Post testing remarks:		Samples Taken: Yes / No		No
					Sample Media: Gas/Water		N/A
					Gas Cannister Start (mb)		
					Gas Cannister End (mb)		
					Gas Cannister Duration (mins)		
			Depth (from datum)		Sample Ref	Type (EW / G)	Container
			Contract Name: EAF		Data Collected By:		Rachael Lockyer
			Project Manager / Engineer: James Bloore		Checked:		
			Contract Ref: 315531		Page number:		

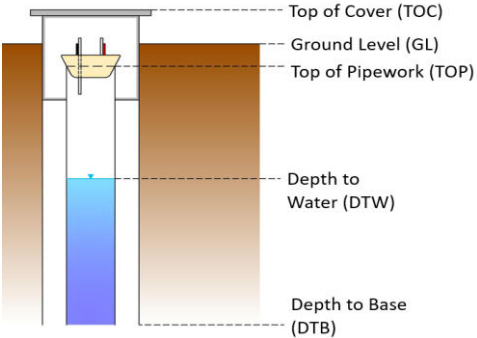
GAS MONITORING FIELD SHEET

Monitoring Date: 29.10.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.1		
Pre-Testing Remarks:				Air Temperature: 16°C		Device: GA5000		
Stable pressure				Weather: Sunny		Serial Number: NA		
				Ground Conditions: Wet		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID: BH331		Monitoring Round Number: 4		Test Number: 1				
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	11:55	12:00	0	0	Observations (e.g. on-site activities):			
Time End (hh:mm)	12:00	12:10						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	0	0	21.2	1		
5	0	15	0.3	0.1	20.4	4		
10	0	30	0.4	0.1	20.3	1		
15	0	60	0.4	0.1	20.3	1		
20		90	0.4	0.1	20.3	1		
25		120	0.4	0.1	20.3	1		
30		180						
40		240						
50		300						
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		3.28	Time:	12:00:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		8.3	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name: EAF		Data Collected By: Jagan Raj				
		Project Manager / Engineer: James Bloore		Checked:				
		Contract Ref: 315531		Page number:				

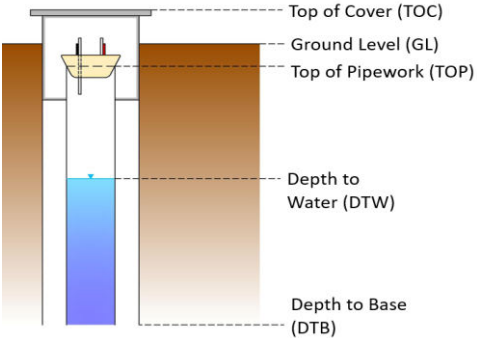
GAS MONITORING FIELD SHEET

Monitoring Date: 14.11.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0		
Pre-Testing Remarks:				Air Temperature: 16°C		Device: GA5000		
Falling pressure				Weather:		Cloudy, dry ground		
				Ground Conditions:		Dry		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID:		BH301		Monitoring Round Number: 5		Test Number: 1		
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE			
Time Start (hh:mm)	13:11	13:11	1032	0	Observations (e.g. on-site activities):			
Time End (hh:mm)	13:14	13:21						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
			PID (ppm)					
0	0	0	0.1	0.1	21.1	1		
5	0	15	0.1	0	17.2	13		
10	0	30	0.2	0	15.9	1		
15	0	60	0.2	0	15.8			
20		90	0.2	0	15.8			
25		120	0.2	0	15.8			
30		180						
40		240						
50		300						
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.4	Time:	13:11:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		20.1	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
Contract Name:		EAF		Data Collected By:		Jagan Raj		
Project Manager / Engineer:		James Bloore		Checked:				
Contract Ref:		315531		Page number:				

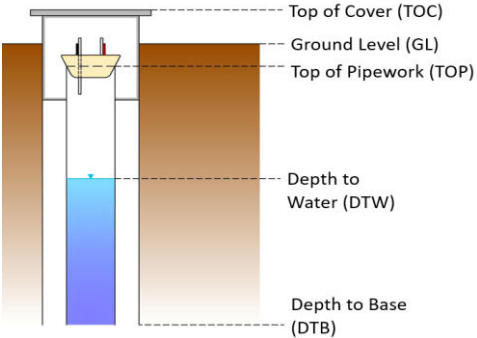
GAS MONITORING FIELD SHEET

Monitoring Date: 14.11.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.25		
Pre-Testing Remarks:				Air Temperature: 16°C		Device: GA5000		
Falling pressure				Weather:		Cloudy, dry ground		
				Ground Conditions:		Dry		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID:		BH311		Monitoring Round Number: 5		Test Number: 1		
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	11:11	11:11	1032	0	Observations (e.g. on-site activities):			
Time End (hh:mm)	11:14	11:21						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
			PID (ppm)					
0	0	0	1.1	0.3	20.1			
5	0	15	5.8	0	18.3	1		
10	0	30	5.9	0	17.9	1		
15	0	60	5.9	0	17.9	2		
20	0	90	5.9	0	17.9	2		
25		120	5.9	0	17.9	2		
30		180	5.9	0	17.9	2		
40		240						
50		300						
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		7.33	Time:	11:11:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		8.1	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name:		EAF		Data Collected By:		Jagan Raj
		Project Manager / Engineer:		James Bloore		Checked:		
		Contract Ref:		315531		Page number:		

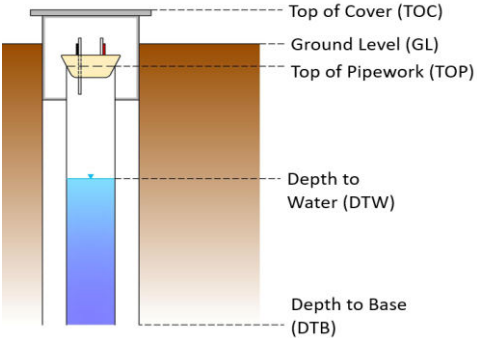
GAS MONITORING FIELD SHEET

Monitoring Date: 14.11.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0	
Pre-Testing Remarks:				Air Temperature: 16°C		Device: GA5000	
Falling pressure				Weather: Cloudy, dry ground		Serial Number: NA	
				Ground Conditions: Dry		Daily Check:	
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light	
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising	
Exploratory Position ID: BH315		Monitoring Round Number: 5		Test Number: 1			
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow	
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double
Time Start (hh:mm)	13:39	13:39	1031	0	Observations (e.g. on-site activities):		
Time End (hh:mm)	13:42	13:49					
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)
							PID (ppm)
0	0	0	0.2	0	21.3		
5	0	15	0	0.1	20.1		
10	0	30	0	0.1	20.1		
15	0	60	0	0.1	20.1	2	
20		90					
25		120					
30		180					
40		240					
50		300					
60		360					
90		420					
120		480					
150		540					
180		600					
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.				
Stage 1 gas flow - Steady State (l/h)	0						
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.32	Time:	13:39:00	LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		15.35	Purge Start:		DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No		No	Purge End:		Water Observations:	
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)			
			Post testing remarks:		Samples Taken: Yes / No		No
					Sample Media: Gas/Water		N/A
					Gas Cannister Start (mb)		
					Gas Cannister End (mb)		
					Gas Cannister Duration (mins)		
		Depth (from datum)	Sample Ref	Type (EW / G)	Container		
			Contract Name: EAF		Data Collected By: Jagan Raj		
			Project Manager / Engineer: James Bloore		Checked:		
			Contract Ref: 315531		Page number:		

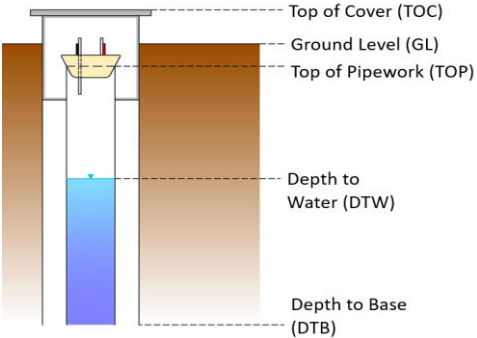
GAS MONITORING FIELD SHEET

Monitoring Date: 14.11.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.4		
Pre-Testing Remarks:				Air Temperature: 16°C		Device: GA5000		
Falling pressure				Weather: Cloudy, dry ground		Serial Number: NA		
				Ground Conditions: Dry		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID: BH317		Monitoring Round Number: 5		Test Number: 1				
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	09:55	09:55	1032	0	Observations (e.g. on-site activities):			
Time End (hh:mm)	09:58	10:05						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	0	1	21	1		
5	0	15	93.2	1.9	12			
10	0.1	30	93.9	2	1.5	1	0	
15	0.1	60	94	2	0.3	1	3	
20	0.1	90	94.1	2	0.2	1	3	
25	0.1	120	94.1	2	0.2	1		
30	0.1	180	94.1	2	0.2	1	3	
40		240	94.1	2	0.2	1	3	
50		300	94.1	2	0.2	1	3	
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.65	Time:	09:55:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		16.3	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name: EAF		Data Collected By: Jagan Raj				
		Project Manager / Engineer: James Bloore		Checked:				
		Contract Ref: 315531		Page number:				

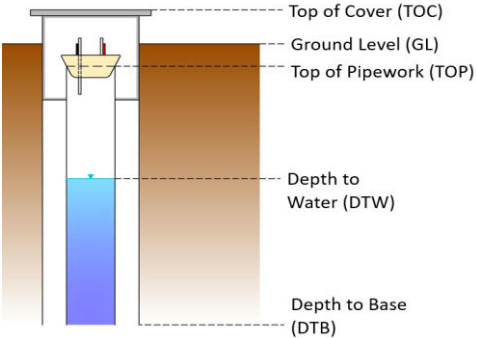
GAS MONITORING FIELD SHEET

Monitoring Date: 14.11.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.25		
Pre-Testing Remarks:				Air Temperature: 16°C		Device: GA5000		
Falling pressure				Weather:		Cloudy, dry ground		
				Ground Conditions:		Dry		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID:		BH322		Monitoring Round Number: 5		Test Number: 1		
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	11:28	11:28	1032	0	Observations (e.g. on-site activities):			
Time End (hh:mm)	11:31	11:38						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	0.1	0.1	20.8	1		
5	0.1	15	2.3	0.1	16	10		
10	0.2	30	4.1	0.1	15	2		
15	0.1	60	4.5	0.1	15	1		
20	0.1	90	4.5	0.1	15	1		
25	0.1	120	4.5	0.1	15	1		
30	0.1	180	4.5	0.1	15	1		
40		240						
50		300						
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0.2		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		3.37	Time:	11:28:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		11.1	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
						Gas Cannister Start (mb)		
						Gas Cannister End (mb)		
						Gas Cannister Duration (mins)		
				Depth (from datum)		Sample Ref	Type (EW / G)	Container
				Contract Name:		EAF		
				Project Manager / Engineer:		James Bloore		
				Contract Ref:		315531		
				Data Collected By:		Jagan Raj		
				Checked:				
				Page number:				

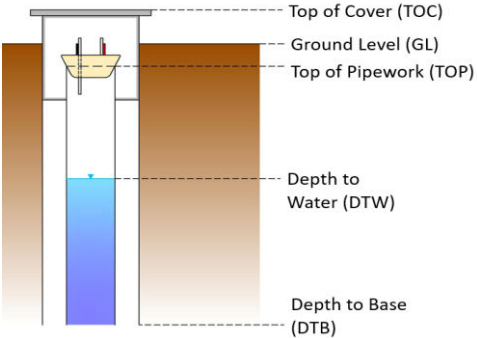
GAS MONITORING FIELD SHEET

Monitoring Date: 14.11.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.35		
Pre-Testing Remarks:				Air Temperature: 16°C		Device: GA5000		
Falling pressure				Weather:		Cloudy, dry ground		
				Ground Conditions:		Dry		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID:		BH324		Monitoring Round Number: 5		Test Number: 1		
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	11:39	11:39	1032	0	Observations (e.g. on-site activities):			
Time End (hh:mm)	11:42	11:49						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	0.4	0.1	20.7	1		
5	0	15	0.2	0	20.7	2		
10	0	30	0.2	0	20.7	1		
15	0	60	0.2	0	20.7	1		
20		90	0	0	21	1		
25		120	0	0	21	0		
30		180						
40		240						
50		300						
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.68	Time:	11:39:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		15	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name:		EAF		Data Collected By:		Jagan Raj
		Project Manager / Engineer:		James Bloore		Checked:		
		Contract Ref:		315531		Page number:		

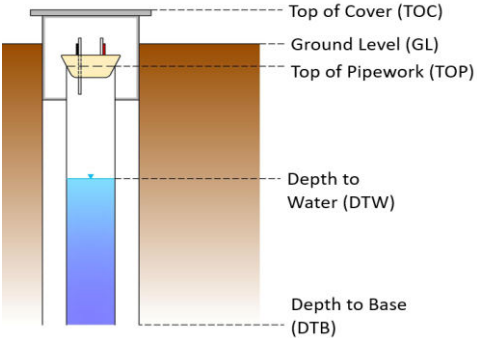
GAS MONITORING FIELD SHEET

Monitoring Date: 14.11.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.25		
Pre-Testing Remarks:				Air Temperature: 16 °C		Device: GAS5000		
Falling pressure				Weather: Cloudy, dry ground		Serial Number: NA		
				Ground Conditions: Dry		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID: BH328		Monitoring Round Number: 5		Test Number: 1				
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	10:59	10:59	1032	0	Observations (e.g. on-site activities):			
Time End (hh:mm)	11:02	11:09						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	0.4	0.1	20.7	1		
5	0	15	24.8	9.4	5	3		
10	0	30	24.9	9.5	0.4	4		
15	0	60	24.9	9.6	0.2	4		
20		90	25	9.6	0.1	4		
25		120	25	9.6	0.1	3		
30		180	25	9.6	0.1	3		
40		240	25	9.6	0.1	3		
50		300						
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		10.75	Time:	10:59:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		17.9	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name: EAF		Data Collected By: Jagan Raj				
		Project Manager / Engineer: James Bloore		Checked:				
		Contract Ref: 315531		Page number:				

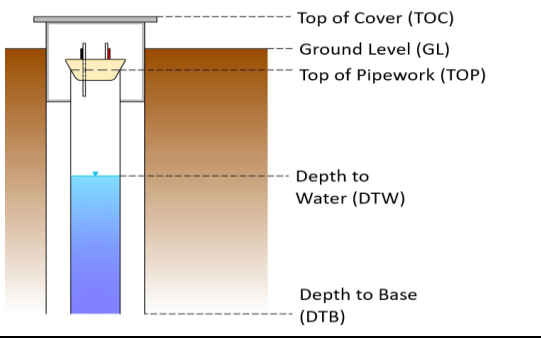
GAS MONITORING FIELD SHEET

Monitoring Date: 14.11.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.3		
Pre-Testing Remarks:				Air Temperature: 16 °C		Device: GAS5000		
				Weather: Dry		Serial Number: NA		
				Ground Conditions: Dry		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		NA		
Exploratory Position ID: BH329		Monitoring Round Number: 5		Test Number: 1				
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	10:39	10:39	1031	0.05	Observations (e.g. on-site activities):			
Time End (hh:mm)	10:42	10:49						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	8	0	21			
5	0	15	1.7	0.1	17.9		80	
10	0	30	2.9	0.2	16.8	1	88	
15	0	60	3.2	0.2	16.7	1	80	
20	0	90	3.3	0.2	16.7	1	88	
25		120	3.3	0.2	16.7	1	80	
30		180	3.3	0.2	16.7	1	80	
40		240	3.3	0.2	16.7	1	80	
50		300						
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		11.3	Time:	10:39:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		11.5	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
			Post testing remarks:		Samples Taken: Yes / No		No	
					Sample Media: Gas/Water		N/A	
					Gas Cannister Start (mb)			
					Gas Cannister End (mb)			
					Gas Cannister Duration (mins)			
					Depth (from datum)	Sample Ref	Type (EW / G)	Container
			Contract Name: EAF		Data Collected By: Jagan Raj			
			Project Manager / Engineer: James Bloore		Checked:			
			Contract Ref: 315531		Page number:			

GAS MONITORING FIELD SHEET

Monitoring Date: 14.11.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.2		
Pre-Testing Remarks:				Air Temperature: 16°C		Device: GA5000		
Falling pressure				Weather:		Cloudy, dry ground		
				Ground Conditions:		Dry		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID:		BH330		Monitoring Round Number: 5		Test Number: 1		
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double	
Time Start (hh:mm)	12:07	12:07	1032	0	Observations (e.g. on-site activities):			
Time End (hh:mm)	12:10	12:17						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0.1	0	0	0	21.1	1		
5	0.1	15	1.2	0.4	20.9	2		
10	0.1	30	1.2	0.4	19.9	1		
15	0.1	60	1.3	0.4	19.6	1		
20		90	1.2	0.4	19.6	1		
25		120	1.3	0.4	19.6	1		
30		180	1.3	0.4	19.6	1		
40		240						
50		300						
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0.1		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0.1							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.15	Time:	12:07:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		32.1	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (l/hrs)			Post-Purge (DTW) (m)				
				Post testing remarks:		Samples Taken: Yes / No		No
						Sample Media: Gas/Water		N/A
				Gas Cannister Start (mb)				
				Gas Cannister End (mb)				
				Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name:		EAF	Data Collected By:		Jagan Raj	
		Project Manager / Engineer:		James Bloore	Checked:			
		Contract Ref:		315531	Page number:			

GAS MONITORING FIELD SHEET

Monitoring Date: 14.11.2024		Measurement datum: TOC / GL / TOP / Other		TOC		Offset to GL (m): 0.1		
Pre-Testing Remarks:				Air Temperature: 16°C		Device: GA5000		
Falling pressure				Weather: Cloudy, dry ground		Serial Number: NA		
				Ground Conditions: Dry		Daily Check:		
				Wind: NONE / LIGHT / MEDIUM / STRONG		Light		
				Tidal State: (if applicable) High / Low / Rising / Falling		Rising		
Exploratory Position ID: BH331		Monitoring Round Number: 5		Test Number: 1				
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		
						Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) 50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single	
Time Start (hh:mm)	12:00	12:00	0	0	Observations (e.g. on-site activities):			
Time End (hh:mm)	12:03	12:10						
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)					LEL (%)	
							PID (ppm)	
0	0	0	0	0	21.2	1		
5	0	15	0.3	0.1	20.4	4		
10	0	30	0.4	0.1	20.3	1		
15	0	60	0.4	0.1	20.3	1		
20		90	0.4	0.1	20.3	1		
25		120	0.4	0.1	20.3	1		
30		180						
40		240						
50		300						
60		360						
90		420						
120		480						
150		540						
180		600						
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.					
Stage 1 gas flow - Steady State (l/h)	0							
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		3.24	Time:	12:00:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		8.3	Purge Start:		DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:		Water Observations:		
	Purge Volume: (ltrs)			Post-Purge (DTW): (m)				
			Post testing remarks:		Samples Taken: Yes / No		No	
					Sample Media: Gas/Water		N/A	
					Gas Cannister Start (mb)			
					Gas Cannister End (mb)			
					Gas Cannister Duration (mins)			
					Depth (from datum)	Sample Ref	Type (EW / G)	Container
		Contract Name: EAF		Data Collected By: Jagan Raj				
		Project Manager / Engineer: James Bloore		Checked:				
		Contract Ref: 315531		Page number:				

APPENDIX F

LABORATORY CERTIFICATES FOR SOIL ANALYSIS



Amended Report

Report No.:	24-18337-7		
Initial Date of Issue:	01-Jul-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-18337-6 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	Rachel Cann		
Project	315531 EAF Meltshop		
Quotation No.:	Q24-35208	Date Received:	11-Jun-2024
Order No.:	P02150967	Date Instructed:	20-Jun-2024
No. of Samples:	7		
Turnaround (Wkdays):	27	Results Due:	26-Jul-2024
Date Approved:	24-Jul-2024	Subcon Results Due:	26-Jul-2024

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-18339-2		
Initial Date of Issue:	01-Jul-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-18339-1 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	Rachel Cann		
Project	EAF 315531 Port Tablet		
Quotation No.:	Q24-35208	Date Received:	11-Jun-2024
Order No.:	P02150967	Date Instructed:	20-Jun-2024
No. of Samples:	6		
Turnaround (Wkdays):	8	Results Due:	01-Jul-2024
Date Approved:	27-Jun-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-19025-2		
Initial Date of Issue:	01-Jul-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-19025-1 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	Rachel Cann		
Project	EAF 315531 Port Talbet		
Quotation No.:	Q24-35208	Date Received:	17-Jun-2024
Order No.:	P02150967	Date Instructed:	20-Jun-2024
No. of Samples:	6		
Turnaround (Wkdays):	8	Results Due:	01-Jul-2024
Date Approved:	27-Jun-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-19335-2		
Initial Date of Issue:	01-Jul-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-19335-1 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	Rachel Cann		
Project	EAF 315531 Port Talber		
Quotation No.:	Q24-35208	Date Received:	19-Jun-2024
Order No.:	P02150967	Date Instructed:	20-Jun-2024
No. of Samples:	2		
Turnaround (Wkdays):	8	Results Due:	01-Jul-2024
Date Approved:	27-Jun-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-19915-2		
Initial Date of Issue:	16-Jul-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-19915-1 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	Rachel Cann		
Project	315531 EAF Project		
Quotation No.:	Q24-35208	Date Received:	24-Jun-2024
Order No.:	PO2150967	Date Instructed:	10-Jul-2024
No. of Samples:	8		
Turnaround (Wkdays):	5	Results Due:	16-Jul-2024
Date Approved:	16-Jul-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-21511-2		
Initial Date of Issue:	16-Jul-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-21511-1 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	Rachel Cann		
Project	EAF Project		
Quotation No.:	Q24-35208	Date Received:	08-Jul-2024
Order No.:	P02150967	Date Instructed:	10-Jul-2024
No. of Samples:	5		
Turnaround (Wkdays):	5	Results Due:	16-Jul-2024
Date Approved:	16-Jul-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-21980-5		
Initial Date of Issue:	19-Jul-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-21980-4 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	James Bloore		
Project	315531 Port Talbot (Tata Steel EAF)		
Quotation No.:	Q24-35208	Date Received:	11-Jul-2024
Order No.:	P02150967	Date Instructed:	12-Jul-2024
No. of Samples:	4		
Turnaround (Wkdays):	12	Results Due:	29-Jul-2024
Date Approved:	31-Jul-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-22474-5		
Initial Date of Issue:	21-Jul-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-22474-4 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	James Bloore		
Project	315531 Port Talbot - TATA STEEL EAF (Project Invictus)		
Quotation No.:	Q24-35208	Date Received:	16-Jul-2024
Order No.:	P02150967	Date Instructed:	16-Jul-2024
No. of Samples:	5		
Turnaround (Wkdays):	9	Results Due:	26-Jul-2024
Date Approved:	24-Jul-2024		
Approved By:			



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-24075-3		
Initial Date of Issue:	12-Aug-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-24075-2 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	James Bloore		
Project	315531 TATA STEEL WAF - PORT TALBOT		
Quotation No.:	Q24-35208	Date Received:	29-Jul-2024
Order No.:	13653	Date Instructed:	29-Jul-2024
No. of Samples:	9		
Turnaround (Wkdays):	11	Results Due:	12-Aug-2024
Date Approved:	12-Aug-2024		
Approved By:			
Details:	David Smith, Technical Director		

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-25386-4		
Initial Date of Issue:	19-Aug-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-25386-3 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	James Bloore		
Project	315531		
Quotation No.:	Q24-35208	Date Received:	08-Aug-2024
Order No.:	P02150967	Date Instructed:	08-Aug-2024
No. of Samples:	3		
Turnaround (Wkdays):	5	Results Due:	14-Aug-2024
Date Approved:	19-Aug-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-25641-4		
Initial Date of Issue:	15-Aug-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-25641-3 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	James Bloore		
Project	315531		
Quotation No.:	Q24-35208	Date Received:	11-Aug-2024
Order No.:	315531	Date Instructed:	11-Aug-2024
No. of Samples:	7		
Turnaround (Wkdays):	5	Results Due:	15-Aug-2024
Date Approved:	15-Aug-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-25899-3		
Initial Date of Issue:	20-Aug-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-25899-2 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	James Bloore		
Project	EAF Meltshop Project		
Quotation No.:	Q24-35208	Date Received:	13-Aug-2024
Order No.:	P02150967	Date Instructed:	13-Aug-2024
No. of Samples:	6		
Turnaround (Wkdays):	6	Results Due:	20-Aug-2024
Date Approved:	20-Aug-2024	Subcon Results Due:	20-Aug-2024

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-26534-4		
Initial Date of Issue:	26-Sep-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-26534-3 in its entirety		
Client	RSK Geosciences		
Client Address:	18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT		
Contact(s):	James Bloore		
Project	315531 EAF Meltshop Project		
Quotation No.:	Q24-35208	Date Received:	19-Aug-2024
Order No.:	P02150967	Date Instructed:	17-Sep-2024
No. of Samples:	6		
Turnaround (Wkdays):	5	Results Due:	23-Sep-2024
Date Approved:	26-Sep-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-27128-4		
Initial Date of Issue:	10-Sep-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-27128-3 in its entirety		
Client	RSK Geosciences		
Client Address:	18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT		
Contact(s):	James Bloore		
Project	315531 EAF Meltshop Project, Port Talbot		
Quotation No.:	Q24-35208	Date Received:	22-Aug-2024
Order No.:	P02150967	Date Instructed:	04-Sep-2024
No. of Samples:	4		
Turnaround (Wkdays):	5	Results Due:	10-Sep-2024
Date Approved:	16-Sep-2024		
Approved By:			



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-27793-6		
Initial Date of Issue:	09-Sep-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-27793-5 in its entirety		
Client	RSK Geosciences		
Client Address:	Battle Gate Road Boxworth Cambridge CB23 4NN		
Contact(s):	James Bloore		
Project	315531 EAF Meltshop		
Quotation No.:	Q24-35208	Date Received:	30-Aug-2024
Order No.:	P02150967	Date Instructed:	04-Sep-2024
No. of Samples:	3		
Turnaround (Wkdays):	5	Results Due:	10-Sep-2024
Date Approved:	16-Sep-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Amended Report

Report No.:	24-29969-3		
Initial Date of Issue:	25-Sep-2024	Date of Re-Issue:	29-Nov-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-29969-2 in its entirety		
Client	RSK Geosciences		
Client Address:	18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT		
Contact(s):	James Bloore		
Project	315531		
Quotation No.:	Q24-35208	Date Received:	17-Sep-2024
Order No.:	P02150967	Date Instructed:	17-Sep-2024
No. of Samples:	3		
Turnaround (Wkdays):	5	Results Due:	23-Sep-2024
Date Approved:	25-Sep-2024		

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:		24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18339
Quotation No.: Q24-35208		Chemtest Sample ID.:		1819250	1819251	1819252	1819253	1819254	1819255	1819256	1819263	
Order No.: P02150967		Client Sample Ref.:										
		Client Sample ID.:										
		Sample Location:		BH323	BH317	BH317	BH317	BH317	BH317	BH317	BH317	BH322
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.30	2.2	1.5	0.70	6.50	3.3	4.10	0.20	
		Bottom Depth (m):										
		Date Sampled:		03-May-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-May-2024
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD							
ACM Type		U	2192		N/A	-	-	-	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry		U	2192	%	0.001							
Total Asbestos		U	2192	%	0.001							
Moisture		N	2030	%	0.020	2.4	16	8.6	7.5	18	27	20
Soil Colour		N	2040		N/A	Black	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones	Stones	None	Stones	Stones
Soil Texture		N	2040		N/A	Sand	Sand	Sand	Sand	Clay	Sand	Clay
pH at 20C		M	2010		4.0							
Arsenic		M	2455	mg/kg	0.5	2.6	9.0	14	5.7	18	11	21
Cadmium		M	2455	mg/kg	0.10	0.64	< 0.10	0.56	0.40	< 0.10	< 0.10	0.22
Chromium		M	2455	mg/kg	0.5	200	29	1100	1400	36	43	18
Copper		M	2455	mg/kg	0.50	14	3.4	52	42	11	40	27
Mercury		M	2455	mg/kg	0.05	< 0.05	< 0.05	0.10	0.07	< 0.05	0.09	< 0.05
Nickel		M	2455	mg/kg	0.50	7.3	4.5	34	20	33	36	20
Lead		M	2455	mg/kg	0.50	25	11	60	64	22	24	27
Selenium		M	2455	mg/kg	0.25	< 0.25	0.39	1.7	0.72	0.72	0.75	0.52
Zinc		M	2455	mg/kg	0.50	67	22	190	200	92	89	85
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	0.66	< 0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	[B] < 0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	[B] < 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	[B] < 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	[B] 4.4	5.6	7.4	5.9	3.3	9.4	6.4
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	[B] 3.1	6.3	12	6.1	1.2	6.1	4.8
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	[B] 11	2.9	35	74	< 2.0	3.5	3.4
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	[B] 180	< 3.0	280	880	< 3.0	< 3.0	10
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	[B] < 10	< 10	32	110	< 10	< 10	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	[B] 200	15	340	970	5.5	19	25
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	[B] 200	15	370	1100	< 10	19	25
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:	24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18339
Quotation No.: Q24-35208		Chemtest Sample ID.:	1819250	1819251	1819252	1819253	1819254	1819255	1819256	1819263	
Order No.: P02150967		Client Sample Ref.:									
		Client Sample ID.:									
		Sample Location:	BH323	BH317	BH317	BH317	BH317	BH317	BH317	BH317	BH322
		Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):	0.30	2.2	1.5	0.70	6.50	3.3	4.10	0.20	
		Bottom Depth (m):									
		Date Sampled:	03-May-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-May-2024
		Asbestos Lab:	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	[B] < 0.25	< 0.25	< 0.25	< 0.25	< 0.25	[B] < 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	[B] < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	[B] < 1.0
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	[B] < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.2 [B] < 1.0
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	[B] 6.7	3.0	3.6	6.5	3.3	3.8 3.4 [B] 3.7
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	[B] 5.9	< 2.0	< 2.0	< 2.0	< 2.0	19 [B] < 2.0
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	[B] 2.5	1.1	16	42	< 1.0	1.2 33 [B] 1.2
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	[B] 13	< 5.0	< 5.0	6.5	< 5.0	< 5.0 24 [B] < 5.0
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	[B] 15	< 10	16	49	< 10	< 10 57 [B] < 10
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	[B] < 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 [B] < 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	[B] 210	18	340	980	< 10	24 49 [B] < 10
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	[B] 220	19	390	1100	< 10	25 82 [B] < 10
Naphthalene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	0.59	< 0.10	2.3 < 0.10
Acenaphthylene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	0.18	< 0.10	0.41 < 0.10
Acenaphthene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	0.21	< 0.10	0.81 < 0.10
Fluorene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	0.23	< 0.10	1.0 < 0.10
Phenanthrene		M	2700	mg/kg	0.10	[B] < 0.10	0.33	< 0.10	0.81	< 0.10	2.6 < 0.10
Anthracene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	0.15	< 0.10	0.15 < 0.10
Fluoranthene		M	2700	mg/kg	0.10	[B] < 0.10	0.46	< 0.10	0.74	< 0.10	0.70 < 0.10
Pyrene		M	2700	mg/kg	0.10	[B] < 0.10	0.46	< 0.10	1.2	< 0.10	0.69 < 0.10
Benzo[a]anthracene		M	2700	mg/kg	0.10	[B] < 0.10	0.45	< 0.10	1.6	< 0.10	0.20 < 0.10
Chrysene		M	2700	mg/kg	0.10	[B] < 0.10	0.75	< 0.10	3.2	< 0.10	0.71 < 0.10
Benzo[b]fluoranthene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10 < 0.10
Benzo[k]fluoranthene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10 < 0.10
Benzo[a]pyrene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10 < 0.10
Indeno(1,2,3-c,d)Pyrene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10 < 0.10
Dibenz(a,h)Anthracene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10 < 0.10
Benzo[g,h,i]perylene		M	2700	mg/kg	0.10	[B] < 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10 < 0.10
Total Of 16 PAH's		M	2700	mg/kg	2.0	[B] < 2.0	2.5	< 2.0	8.8	< 2.0	9.5 < 2.0
Dichlorodifluoromethane		U	2760	µg/kg	1.0						
Chloromethane		M	2760	µg/kg	1.0						
Vinyl Chloride		M	2760	µg/kg	1.0						
Bromomethane		M	2760	µg/kg	20						
Chloroethane		U	2760	µg/kg	2.0						
Trichlorofluoromethane		M	2760	µg/kg	1.0						
1,1-Dichloroethene		M	2760	µg/kg	1.0						

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:		24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18339
Quotation No.: Q24-35208		Chemtest Sample ID.:		1819250	1819251	1819252	1819253	1819254	1819255	1819256	1819263
Order No.: P02150967		Client Sample Ref.:									
		Client Sample ID.:									
		Sample Location:		BH323	BH317	BH317	BH317	BH317	BH317	BH317	BH322
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.30	2.2	1.5	0.70	6.50	3.3	4.10	0.20
		Bottom Depth (m):									
		Date Sampled:		03-May-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-May-2024
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
Dichloromethane		N	2760	µg/kg	50						
Trans 1,2-Dichloroethene		M	2760	µg/kg	1.0						
1,1-Dichloroethane		M	2760	µg/kg	1.0						
cis 1,2-Dichloroethene		M	2760	µg/kg	1.0						
Bromochloromethane		U	2760	µg/kg	5.0						
Trichloromethane		M	2760	µg/kg	1.0						
1,1,1-Trichloroethane		M	2760	µg/kg	1.0						
Tetrachloromethane		M	2760	µg/kg	1.0						
1,1-Dichloropropene		U	2760	µg/kg	1.0						
Benzene		M	2760	µg/kg	1.0						
1,2-Dichloroethane		M	2760	µg/kg	2.0						
Trichloroethene		N	2760	µg/kg	1.0						
1,2-Dichloropropane		M	2760	µg/kg	1.0						
Dibromomethane		M	2760	µg/kg	1.0						
Bromodichloromethane		M	2760	µg/kg	5.0						
cis-1,3-Dichloropropene		N	2760	µg/kg	10						
Toluene		M	2760	µg/kg	1.0						
Trans-1,3-Dichloropropene		N	2760	µg/kg	10						
1,1,2-Trichloroethane		M	2760	µg/kg	10						
Tetrachloroethene		M	2760	µg/kg	1.0						
1,3-Dichloropropane		U	2760	µg/kg	2.0						
Dibromochloromethane		U	2760	µg/kg	10						
1,2-Dibromoethane		M	2760	µg/kg	5.0						
Chlorobenzene		M	2760	µg/kg	1.0						
1,1,1,2-Tetrachloroethane		M	2760	µg/kg	2.0						
Ethylbenzene		M	2760	µg/kg	1.0						
m & p-Xylene		M	2760	µg/kg	1.0						
o-Xylene		M	2760	µg/kg	1.0						
Styrene		M	2760	µg/kg	1.0						
Tribromomethane		U	2760	µg/kg	1.0						
Isopropylbenzene		M	2760	µg/kg	1.0						
Bromobenzene		M	2760	µg/kg	1.0						
1,2,3-Trichloropropane		N	2760	µg/kg	50						
N-Propylbenzene		U	2760	µg/kg	1.0						
2-Chlorotoluene		M	2760	µg/kg	1.0						
1,3,5-Trimethylbenzene		M	2760	µg/kg	1.0						

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:	24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18339
Quotation No.: Q24-35208		Chemtest Sample ID.:	1819250	1819251	1819252	1819253	1819254	1819255	1819256	1819263
Order No.: P02150967		Client Sample Ref.:								
		Client Sample ID.:								
		Sample Location:	BH323	BH317	BH317	BH317	BH317	BH317	BH317	BH322
		Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):	0.30	2.2	1.5	0.70	6.50	3.3	4.10	0.20
		Bottom Depth (m):								
		Date Sampled:	03-May-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-May-2024
		Asbestos Lab:	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
4-Chlorotoluene		U	2760	µg/kg	1.0					
Tert-Butylbenzene		U	2760	µg/kg	1.0					
1,2,4-Trimethylbenzene		M	2760	µg/kg	1.0					
Sec-Butylbenzene		U	2760	µg/kg	1.0					
1,3-Dichlorobenzene		M	2760	µg/kg	1.0					
4-Isopropyltoluene		U	2760	µg/kg	1.0					
1,4-Dichlorobenzene		M	2760	µg/kg	1.0					
N-Butylbenzene		U	2760	µg/kg	1.0					
1,2-Dichlorobenzene		M	2760	µg/kg	1.0					
1,2-Dibromo-3-Chloropropane		U	2760	µg/kg	50					
1,2,4-Trichlorobenzene		M	2760	µg/kg	1.0					
Hexachlorobutadiene		N	2760	µg/kg	1.0					
1,2,3-Trichlorobenzene		U	2760	µg/kg	2.0					
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0					
N-Nitrosodimethylamine		M	2790	mg/kg	0.50					
Phenol		M	2790	mg/kg	0.50					
2-Chlorophenol		N	2790	mg/kg	0.50					
Bis-(2-Chloroethyl)Ether		M	2790	mg/kg	0.50					
1,3-Dichlorobenzene		M	2790	mg/kg	0.50					
1,4-Dichlorobenzene		N	2790	mg/kg	0.50					
1,2-Dichlorobenzene		M	2790	mg/kg	0.50					
2-Methylphenol		M	2790	mg/kg	0.50					
Bis(2-Chloroisopropyl)Ether		M	2790	mg/kg	0.50					
Hexachloroethane		N	2790	mg/kg	0.50					
N-Nitrosodi-n-propylamine		M	2790	mg/kg	0.50					
4-Methylphenol		M	2790	mg/kg	0.50					
Nitrobenzene		N	2790	mg/kg	0.50					
Isophorone		M	2790	mg/kg	0.50					
2-Nitrophenol		N	2790	mg/kg	0.50					
2,4-Dimethylphenol		N	2790	mg/kg	0.50					
Bis(2-Chloroethoxy)Methane		M	2790	mg/kg	0.50					
2,4-Dichlorophenol		N	2790	mg/kg	0.50					
1,2,4-Trichlorobenzene		M	2790	mg/kg	0.50					
Naphthalene		M	2790	mg/kg	0.50					
4-Chloroaniline		N	2790	mg/kg	0.50					
Hexachlorobutadiene		M	2790	mg/kg	0.50					

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:		24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18339
Quotation No.: Q24-35208		Chemtest Sample ID.:		1819250	1819251	1819252	1819253	1819254	1819255	1819256	1819263
Order No.: P02150967		Client Sample Ref.:									
		Client Sample ID.:									
		Sample Location:		BH323	BH317	BH317	BH317	BH317	BH317	BH317	BH322
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.30	2.2	1.5	0.70	6.50	3.3	4.10	0.20
		Bottom Depth (m):									
		Date Sampled:		03-May-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-May-2024
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
4-Chloro-3-Methylphenol		N	2790	mg/kg	0.50						
2-Methylnaphthalene		M	2790	mg/kg	0.50						
4-Nitrophenol		N	2790	mg/kg	0.50						
2,4,6-Trichlorophenol		N	2790	mg/kg	0.50						
2,4,5-Trichlorophenol		N	2790	mg/kg	0.50						
2-Chloronaphthalene		M	2790	mg/kg	0.50						
2-Nitroaniline		N	2790	mg/kg	0.50						
Acenaphthylene		M	2790	mg/kg	0.50						
Dimethylphthalate		M	2790	mg/kg	0.50						
2,6-Dinitrotoluene		N	2790	mg/kg	0.50						
Acenaphthene		M	2790	mg/kg	0.50						
3-Nitroaniline		N	2790	mg/kg	0.50						
Dibenzofuran		M	2790	mg/kg	0.50						
4-Chlorophenylphenylether		M	2790	mg/kg	0.50						
2,4-Dinitrotoluene		N	2790	mg/kg	0.50						
Fluorene		M	2790	mg/kg	0.50						
Diethyl Phthalate		M	2790	mg/kg	0.50						
4-Nitroaniline		N	2790	mg/kg	0.50						
Azobenzene		M	2790	mg/kg	0.50						
4-Bromophenylphenyl Ether		M	2790	mg/kg	0.50						
Hexachlorobenzene		M	2790	mg/kg	0.50						
Phenanthrene		M	2790	mg/kg	0.50						
Anthracene		M	2790	mg/kg	0.50						
Carbazole		M	2790	mg/kg	0.50						
Di-N-Butyl Phthalate		N	2790	mg/kg	0.50						
Fluoranthene		M	2790	mg/kg	0.50						
Pyrene		M	2790	mg/kg	0.50						
Butylbenzyl Phthalate		N	2790	mg/kg	0.50						
Benzo[a]anthracene		M	2790	mg/kg	0.50						
Chrysene		M	2790	mg/kg	0.50						
Bis(2-Ethylhexyl)Phthalate		N	2790	mg/kg	0.50						
Di-N-Octyl Phthalate		N	2790	mg/kg	0.50						
Benzo[b]fluoranthene		M	2790	mg/kg	0.50						
Benzo[k]fluoranthene		M	2790	mg/kg	0.50						
Benzo[a]pyrene		M	2790	mg/kg	0.50						
Indeno(1,2,3-c,d)Pyrene		N	2790	mg/kg	0.50						

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:		24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18337	24-18339
Quotation No.: Q24-35208		Chemtest Sample ID.:		1819250	1819251	1819252	1819253	1819254	1819255	1819256	1819263
Order No.: P02150967		Client Sample Ref.:									
		Client Sample ID.:									
		Sample Location:		BH323	BH317	BH317	BH317	BH317	BH317	BH317	BH322
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.30	2.2	1.5	0.70	6.50	3.3	4.10	0.20
		Bottom Depth (m):									
		Date Sampled:		03-May-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-Jun-2024	07-May-2024
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
Dibenz(a,h)Anthracene		N	2790	mg/kg	0.50						
Benzo[g,h,i]perylene		M	2790	mg/kg	0.50						
Naphthalene		M	2800	mg/kg	0.10						0.33
Acenaphthylene		N	2800	mg/kg	0.10						< 0.10
Acenaphthene		M	2800	mg/kg	0.10						< 0.10
Fluorene		M	2800	mg/kg	0.10						< 0.10
Phenanthrene		M	2800	mg/kg	0.10						0.36
Anthracene		M	2800	mg/kg	0.10						< 0.10
Fluoranthene		M	2800	mg/kg	0.10						0.39
Pyrene		M	2800	mg/kg	0.10						0.35
Benzo[a]anthracene		M	2800	mg/kg	0.10						< 0.10
Chrysene		M	2800	mg/kg	0.10						< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10						< 0.10
Benzo[k]fluoranthene		M	2800	mg/kg	0.10						< 0.10
Benzo[a]pyrene		M	2800	mg/kg	0.10						< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10						< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10						< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10						< 0.10
Total Of 16 PAH's		N	2800	mg/kg	2.0						< 2.0

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:		24-18339	24-18339	24-18339	24-18339	24-18339	24-19025	24-19025	24-19025
Quotation No.: Q24-35208		Chemtest Sample ID.:		1819264	1819265	1819266	1819267	1819268	1821789	1821790	1821791
Order No.: P02150967		Client Sample Ref.:									
		Client Sample ID.:									
		Sample Location:		BH322	BH322	BH322	BH322	BH322	BH317	BH317	BH317
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		1.10	1.60	4.40	7.00	12.00	10.50	14.00	17.50
		Bottom Depth (m):									
		Date Sampled:		07-May-2024	07-May-2024	07-May-2024	07-May-2024	07-May-2024	12-Jun-2024	12-Jun-2024	12-Jun-2024
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
ACM Type		U	2192		N/A	-	-	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry		U	2192	%	0.001						
Total Asbestos		U	2192	%	0.001						
Moisture		N	2030	%	0.020	12	11	19	57	13	17
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Grey	Brown
Other Material		N	2040		N/A	Stones	None	None	Stones and Wood	Stones	None
Soil Texture		N	2040		N/A	Sand	Sand	Clay	Clay	Sand	Clay
pH at 20C		M	2010		4.0						
Arsenic		M	2455	mg/kg	0.5	6.6	8.6	13	6.8	11	4.3
Cadmium		M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium		M	2455	mg/kg	0.5	270	17	40	15	19	14
Copper		M	2455	mg/kg	0.50	23	2.7	12	4.7	14	5.6
Mercury		M	2455	mg/kg	0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel		M	2455	mg/kg	0.50	8.7	4.5	34	14	35	13
Lead		M	2455	mg/kg	0.50	29	5.2	27	8.9	14	7.6
Selenium		M	2455	mg/kg	0.25	4.4	< 0.25	0.78	0.34	0.50	< 0.25
Zinc		M	2455	mg/kg	0.50	47	19	97	37	82	38
Chromium (Hexavalent)		N	2490	mg/kg	0.50						
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	[B] < 0.10	[B] < 0.10	[B] < 0.10	[B] < 0.10	[B] < 0.10	< 0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	[B] < 0.25	[B] < 0.25	[B] < 0.25	[B] < 0.25	[B] < 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	[B] 4.4	[B] 2.5	[B] 3.2	[B] 7.0	[B] 3.7	3.0
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	[B] 1.1	[B] < 1.0	[B] 1.1	[B] 2.0	[B] 1.2	1.1
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	[B] < 2.0	[B] < 2.0	[B] < 2.0	[B] 8.8	[B] < 2.0	< 2.0
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	[B] 13	[B] 3.6	[B] 3.1	[B] 32	[B] 12	< 3.0
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	[B] < 10	[B] < 10	[B] < 10	[B] < 10	[B] < 10	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	[B] 19	[B] 7.1	[B] 7.4	[B] 50	[B] 17	5.6
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	[B] 19	[B] < 10	[B] < 10	[B] 50	[B] 17	< 10
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:	24-18339	24-18339	24-18339	24-18339	24-18339	24-19025	24-19025	24-19025
Quotation No.: Q24-35208		Chemtest Sample ID.:	1819264	1819265	1819266	1819267	1819268	1821789	1821790	1821791
Order No.: P02150967		Client Sample Ref.:								
		Client Sample ID.:								
		Sample Location:	BH322	BH322	BH322	BH322	BH322	BH317	BH317	BH317
		Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):	1.10	1.60	4.40	7.00	12.00	10.50	14.00	17.50
		Bottom Depth (m):								
		Date Sampled:	07-May-2024	07-May-2024	07-May-2024	07-May-2024	07-May-2024	12-Jun-2024	12-Jun-2024	12-Jun-2024
		Asbestos Lab:	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	[B] < 0.25	[B] < 0.25	[B] < 0.25	[B] < 0.25	[B] < 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] 2.8	[B] < 1.0
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	[B] 2.8	[B] 2.1	[B] 3.7	[B] 130	[B] 2.1
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	[B] < 2.0	[B] < 2.0	[B] < 2.0	[B] < 2.0	[B] < 2.0
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] 94	[B] 1.7
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	[B] < 5.0	[B] < 5.0	[B] < 5.0	[B] 140	[B] < 5.0
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	[B] < 10	[B] < 10	[B] < 10	[B] 230	[B] < 10
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	[B] 22	[B] < 10	[B] 11	[B] 190	[B] 19
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	[B] 22	[B] < 10	[B] 11	[B] 280	[B] 20
Naphthalene		M	2700	mg/kg	0.10					
Acenaphthylene		M	2700	mg/kg	0.10					
Acenaphthene		M	2700	mg/kg	0.10					
Fluorene		M	2700	mg/kg	0.10					
Phenanthrene		M	2700	mg/kg	0.10					
Anthracene		M	2700	mg/kg	0.10					
Fluoranthene		M	2700	mg/kg	0.10					
Pyrene		M	2700	mg/kg	0.10					
Benzo[a]anthracene		M	2700	mg/kg	0.10					
Chrysene		M	2700	mg/kg	0.10					
Benzo[b]fluoranthene		M	2700	mg/kg	0.10					
Benzo[k]fluoranthene		M	2700	mg/kg	0.10					
Benzo[a]pyrene		M	2700	mg/kg	0.10					
Indeno(1,2,3-c,d)Pyrene		M	2700	mg/kg	0.10					
Dibenz(a,h)Anthracene		M	2700	mg/kg	0.10					
Benzo[g,h,i]perylene		M	2700	mg/kg	0.10					
Total Of 16 PAH's		M	2700	mg/kg	2.0					
Dichlorodifluoromethane		U	2760	µg/kg	1.0					
Chloromethane		M	2760	µg/kg	1.0					
Vinyl Chloride		M	2760	µg/kg	1.0					
Bromomethane		M	2760	µg/kg	20					
Chloroethane		U	2760	µg/kg	2.0					
Trichlorofluoromethane		M	2760	µg/kg	1.0					
1,1-Dichloroethene		M	2760	µg/kg	1.0					

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:		24-18339	24-18339	24-18339	24-18339	24-18339	24-19025	24-19025	24-19025
Quotation No.: Q24-35208		Chemtest Sample ID.:		1819264	1819265	1819266	1819267	1819268	1821789	1821790	1821791
Order No.: P02150967		Client Sample Ref.:									
		Client Sample ID.:									
		Sample Location:		BH322	BH322	BH322	BH322	BH322	BH317	BH317	BH317
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		1.10	1.60	4.40	7.00	12.00	10.50	14.00	17.50
		Bottom Depth (m):									
		Date Sampled:		07-May-2024	07-May-2024	07-May-2024	07-May-2024	07-May-2024	12-Jun-2024	12-Jun-2024	12-Jun-2024
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
Dichloromethane		N	2760	µg/kg	50						
Trans 1,2-Dichloroethene		M	2760	µg/kg	1.0						
1,1-Dichloroethane		M	2760	µg/kg	1.0						
cis 1,2-Dichloroethene		M	2760	µg/kg	1.0						
Bromochloromethane		U	2760	µg/kg	5.0						
Trichloromethane		M	2760	µg/kg	1.0						
1,1,1-Trichloroethane		M	2760	µg/kg	1.0						
Tetrachloromethane		M	2760	µg/kg	1.0						
1,1-Dichloropropene		U	2760	µg/kg	1.0						
Benzene		M	2760	µg/kg	1.0						
1,2-Dichloroethane		M	2760	µg/kg	2.0						
Trichloroethene		N	2760	µg/kg	1.0						
1,2-Dichloropropane		M	2760	µg/kg	1.0						
Dibromomethane		M	2760	µg/kg	1.0						
Bromodichloromethane		M	2760	µg/kg	5.0						
cis-1,3-Dichloropropene		N	2760	µg/kg	10						
Toluene		M	2760	µg/kg	1.0						
Trans-1,3-Dichloropropene		N	2760	µg/kg	10						
1,1,2-Trichloroethane		M	2760	µg/kg	10						
Tetrachloroethene		M	2760	µg/kg	1.0						
1,3-Dichloropropane		U	2760	µg/kg	2.0						
Dibromochloromethane		U	2760	µg/kg	10						
1,2-Dibromoethane		M	2760	µg/kg	5.0						
Chlorobenzene		M	2760	µg/kg	1.0						
1,1,1,2-Tetrachloroethane		M	2760	µg/kg	2.0						
Ethylbenzene		M	2760	µg/kg	1.0						
m & p-Xylene		M	2760	µg/kg	1.0						
o-Xylene		M	2760	µg/kg	1.0						
Styrene		M	2760	µg/kg	1.0						
Tribromomethane		U	2760	µg/kg	1.0						
Isopropylbenzene		M	2760	µg/kg	1.0						
Bromobenzene		M	2760	µg/kg	1.0						
1,2,3-Trichloropropane		N	2760	µg/kg	50						
N-Propylbenzene		U	2760	µg/kg	1.0						
2-Chlorotoluene		M	2760	µg/kg	1.0						
1,3,5-Trimethylbenzene		M	2760	µg/kg	1.0						

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:		24-18339	24-18339	24-18339	24-18339	24-18339	24-19025	24-19025	24-19025
Quotation No.: Q24-35208		Chemtest Sample ID.:		1819264	1819265	1819266	1819267	1819268	1821789	1821790	1821791
Order No.: P02150967		Client Sample Ref.:									
		Client Sample ID.:									
		Sample Location:		BH322	BH322	BH322	BH322	BH322	BH317	BH317	BH317
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		1.10	1.60	4.40	7.00	12.00	10.50	14.00	17.50
		Bottom Depth (m):									
		Date Sampled:		07-May-2024	07-May-2024	07-May-2024	07-May-2024	07-May-2024	12-Jun-2024	12-Jun-2024	12-Jun-2024
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
4-Chlorotoluene		U	2760	µg/kg	1.0						
Tert-Butylbenzene		U	2760	µg/kg	1.0						
1,2,4-Trimethylbenzene		M	2760	µg/kg	1.0						
Sec-Butylbenzene		U	2760	µg/kg	1.0						
1,3-Dichlorobenzene		M	2760	µg/kg	1.0						
4-Isopropyltoluene		U	2760	µg/kg	1.0						
1,4-Dichlorobenzene		M	2760	µg/kg	1.0						
N-Butylbenzene		U	2760	µg/kg	1.0						
1,2-Dichlorobenzene		M	2760	µg/kg	1.0						
1,2-Dibromo-3-Chloropropane		U	2760	µg/kg	50						
1,2,4-Trichlorobenzene		M	2760	µg/kg	1.0						
Hexachlorobutadiene		N	2760	µg/kg	1.0						
1,2,3-Trichlorobenzene		U	2760	µg/kg	2.0						
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0						
N-Nitrosodimethylamine		M	2790	mg/kg	0.50						
Phenol		M	2790	mg/kg	0.50						
2-Chlorophenol		N	2790	mg/kg	0.50						
Bis-(2-Chloroethyl)Ether		M	2790	mg/kg	0.50						
1,3-Dichlorobenzene		M	2790	mg/kg	0.50						
1,4-Dichlorobenzene		N	2790	mg/kg	0.50						
1,2-Dichlorobenzene		M	2790	mg/kg	0.50						
2-Methylphenol		M	2790	mg/kg	0.50						
Bis(2-Chloroisopropyl)Ether		M	2790	mg/kg	0.50						
Hexachloroethane		N	2790	mg/kg	0.50						
N-Nitrosodi-n-propylamine		M	2790	mg/kg	0.50						
4-Methylphenol		M	2790	mg/kg	0.50						
Nitrobenzene		N	2790	mg/kg	0.50						
Isophorone		M	2790	mg/kg	0.50						
2-Nitrophenol		N	2790	mg/kg	0.50						
2,4-Dimethylphenol		N	2790	mg/kg	0.50						
Bis(2-Chloroethoxy)Methane		M	2790	mg/kg	0.50						
2,4-Dichlorophenol		N	2790	mg/kg	0.50						
1,2,4-Trichlorobenzene		M	2790	mg/kg	0.50						
Naphthalene		M	2790	mg/kg	0.50						
4-Chloroaniline		N	2790	mg/kg	0.50						
Hexachlorobutadiene		M	2790	mg/kg	0.50						

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:		24-18339	24-18339	24-18339	24-18339	24-18339	24-19025	24-19025	24-19025
Quotation No.: Q24-35208		Chemtest Sample ID.:		1819264	1819265	1819266	1819267	1819268	1821789	1821790	1821791
Order No.: P02150967		Client Sample Ref.:									
		Client Sample ID.:									
		Sample Location:		BH322	BH322	BH322	BH322	BH322	BH317	BH317	BH317
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		1.10	1.60	4.40	7.00	12.00	10.50	14.00	17.50
		Bottom Depth (m):									
		Date Sampled:		07-May-2024	07-May-2024	07-May-2024	07-May-2024	07-May-2024	12-Jun-2024	12-Jun-2024	12-Jun-2024
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
4-Chloro-3-Methylphenol		N	2790	mg/kg	0.50						
2-Methylnaphthalene		M	2790	mg/kg	0.50						
4-Nitrophenol		N	2790	mg/kg	0.50						
2,4,6-Trichlorophenol		N	2790	mg/kg	0.50						
2,4,5-Trichlorophenol		N	2790	mg/kg	0.50						
2-Chloronaphthalene		M	2790	mg/kg	0.50						
2-Nitroaniline		N	2790	mg/kg	0.50						
Acenaphthylene		M	2790	mg/kg	0.50						
Dimethylphthalate		M	2790	mg/kg	0.50						
2,6-Dinitrotoluene		N	2790	mg/kg	0.50						
Acenaphthene		M	2790	mg/kg	0.50						
3-Nitroaniline		N	2790	mg/kg	0.50						
Dibenzofuran		M	2790	mg/kg	0.50						
4-Chlorophenylphenylether		M	2790	mg/kg	0.50						
2,4-Dinitrotoluene		N	2790	mg/kg	0.50						
Fluorene		M	2790	mg/kg	0.50						
Diethyl Phthalate		M	2790	mg/kg	0.50						
4-Nitroaniline		N	2790	mg/kg	0.50						
Azobenzene		M	2790	mg/kg	0.50						
4-Bromophenylphenyl Ether		M	2790	mg/kg	0.50						
Hexachlorobenzene		M	2790	mg/kg	0.50						
Phenanthrene		M	2790	mg/kg	0.50						
Anthracene		M	2790	mg/kg	0.50						
Carbazole		M	2790	mg/kg	0.50						
Di-N-Butyl Phthalate		N	2790	mg/kg	0.50						
Fluoranthene		M	2790	mg/kg	0.50						
Pyrene		M	2790	mg/kg	0.50						
Butylbenzyl Phthalate		N	2790	mg/kg	0.50						
Benzo[a]anthracene		M	2790	mg/kg	0.50						
Chrysene		M	2790	mg/kg	0.50						
Bis(2-Ethylhexyl)Phthalate		N	2790	mg/kg	0.50						
Di-N-Octyl Phthalate		N	2790	mg/kg	0.50						
Benzo[b]fluoranthene		M	2790	mg/kg	0.50						
Benzo[k]fluoranthene		M	2790	mg/kg	0.50						
Benzo[a]pyrene		M	2790	mg/kg	0.50						
Indeno(1,2,3-c,d)Pyrene		N	2790	mg/kg	0.50						

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:						24-18339	24-18339	24-18339	24-18339	24-18339	24-19025	24-19025	24-19025
Quotation No.: Q24-35208		Chemtest Sample ID.:						1819264	1819265	1819266	1819267	1819268	1821789	1821790	1821791
Order No.: P02150967		Client Sample Ref.:													
		Client Sample ID.:													
		Sample Location:						BH322	BH322	BH322	BH322	BH322	BH317	BH317	BH317
		Sample Type:						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):						1.10	1.60	4.40	7.00	12.00	10.50	14.00	17.50
		Bottom Depth (m):													
		Date Sampled:						07-May-2024	07-May-2024	07-May-2024	07-May-2024	07-May-2024	12-Jun-2024	12-Jun-2024	12-Jun-2024
		Asbestos Lab:						NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD										
Dibenz(a,h)Anthracene		N	2790	mg/kg	0.50										
Benzo[g,h,i]perylene		M	2790	mg/kg	0.50										
Naphthalene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.17	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's		N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:				24-19025	24-19025	24-19025	24-19335	24-19335	24-19915	24-19915	24-19915
Quotation No.: Q24-35208		Chemtest Sample ID.:				1821792	1821793	1821794	1822927	1822928	1825240	1825242	1825243
Order No.: P02150967		Client Sample Ref.:											
		Client Sample ID.:											
		Sample Location:				BH324	BH324	BH324	BH324	BH324	BH319	BH319	BH319
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.20	0.70	3.50	4.80	7.00	0.50	2.50	450
		Bottom Depth (m):											
		Date Sampled:				12-Jun-2024	12-Jun-2024	12-Jun-2024	14-Jun-2024	14-Jun-2024	19-Jun-2024	19-Jun-2024	19-Jun-2024
		Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
ACM Type		U	2192		N/A	-	-	-	-	-	Fibres/Clumps	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry		U	2192	%	0.001						0.004		
Total Asbestos		U	2192	%	0.001						0.004		
Moisture		N	2030	%	0.020	7.1	10	20	22	39	10	20	21
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	None	None	Wood and Stones	Stones and Roots	None	None
Soil Texture		N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Loam	Sand	Clay
pH at 20C		M	2010		4.0								
Arsenic		M	2455	mg/kg	0.5	6.0	16	22	7.3	18	4.3	7.5	16
Cadmium		M	2455	mg/kg	0.10	0.33	0.14	0.28	< 0.10	< 0.10	0.14	< 0.10	< 0.10
Chromium		M	2455	mg/kg	0.5	450	120	18	7.8	17	47	9.5	34
Copper		M	2455	mg/kg	0.50	24	36	42	3.5	7.3	7.4	1.3	12
Mercury		M	2455	mg/kg	0.05	0.06	0.05	< 0.05	< 0.05	< 0.05	1.9	0.05	< 0.05
Nickel		M	2455	mg/kg	0.50	16	17	15	6.8	12	6.1	3.0	34
Lead		M	2455	mg/kg	0.50	49	46	40	6.6	11	57	4.5	23
Selenium		M	2455	mg/kg	0.25	1.2	1.6	0.76	< 0.25	0.32	1.0	< 0.25	< 0.25
Zinc		M	2455	mg/kg	0.50	140	79	92	26	43	110	9.8	88
Chromium (Hexavalent)		N	2490	mg/kg	0.50								
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	[B] < 0.10	[B] < 0.10	[B] < 0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	[B] < 0.25	[B] < 0.25	[B] < 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	6.7	6.2	6.2	9.7	5.4	[B] 7.8	[B] 10	[B] 8.2
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	1.8	2.1	4.1	10	1.4	[B] 3.2	[B] 11	[B] 3.4
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	4.5	2.1	< 2.0	7.2	9.7	[B] < 2.0	[B] 18	[B] < 2.0
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	280	6.5	4.5	14	45	[B] < 3.0	[B] 68	[B] 4.9
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	10	< 10	< 10	< 10	< 10	[B] < 10	[B] 17	[B] < 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	290	17	17	42	61	[B] 12	[B] 110	[B] 17
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	300	17	17	42	61	[B] 12	[B] 120	[B] 17
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:	24-19025	24-19025	24-19025	24-19335	24-19335	24-19915	24-19915	24-19915
Quotation No.: Q24-35208		Chemtest Sample ID.:	1821792	1821793	1821794	1822927	1822928	1825240	1825242	1825243
Order No.: P02150967		Client Sample Ref.:								
		Client Sample ID.:								
		Sample Location:	BH324	BH324	BH324	BH324	BH324	BH319	BH319	BH319
		Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):	0.20	0.70	3.50	4.80	7.00	0.50	2.50	450
		Bottom Depth (m):								
		Date Sampled:	12-Jun-2024	12-Jun-2024	12-Jun-2024	14-Jun-2024	14-Jun-2024	19-Jun-2024	19-Jun-2024	19-Jun-2024
		Asbestos Lab:	NEW-ASB	NEW-ASB	NEW-ASB	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	[B] < 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	[B] < 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0	< 1.0	< 1.0	< 1.0	[B] < 1.0
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0	< 1.0	< 1.0	1.5	[B] < 1.0
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	3.8	< 2.0	2.7	2.8	32
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	2.8	< 2.0	7.4	< 2.0	< 2.0
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	4.8	28	2.1	3.9	200
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	6.6	< 5.0	10	< 5.0	34
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	11	28	12	< 10	230
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	300	18	27	45	96
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	310	46	29	49	300
Naphthalene		M	2700	mg/kg	0.10					
Acenaphthylene		M	2700	mg/kg	0.10					
Acenaphthene		M	2700	mg/kg	0.10					
Fluorene		M	2700	mg/kg	0.10					
Phenanthrene		M	2700	mg/kg	0.10					
Anthracene		M	2700	mg/kg	0.10					
Fluoranthene		M	2700	mg/kg	0.10					
Pyrene		M	2700	mg/kg	0.10					
Benzo[a]anthracene		M	2700	mg/kg	0.10					
Chrysene		M	2700	mg/kg	0.10					
Benzo[b]fluoranthene		M	2700	mg/kg	0.10					
Benzo[k]fluoranthene		M	2700	mg/kg	0.10					
Benzo[a]pyrene		M	2700	mg/kg	0.10					
Indeno(1,2,3-c,d)Pyrene		M	2700	mg/kg	0.10					
Dibenz(a,h)Anthracene		M	2700	mg/kg	0.10					
Benzo[g,h,i]perylene		M	2700	mg/kg	0.10					
Total Of 16 PAH's		M	2700	mg/kg	2.0					
Dichlorodifluoromethane		U	2760	µg/kg	1.0					
Chloromethane		M	2760	µg/kg	1.0					
Vinyl Chloride		M	2760	µg/kg	1.0					
Bromomethane		M	2760	µg/kg	20					
Chloroethane		U	2760	µg/kg	2.0					
Trichlorofluoromethane		M	2760	µg/kg	1.0					
1,1-Dichloroethene		M	2760	µg/kg	1.0					

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:				24-19025	24-19025	24-19025	24-19335	24-19335	24-19915	24-19915	24-19915
Quotation No.: Q24-35208		Chemtest Sample ID.:				1821792	1821793	1821794	1822927	1822928	1825240	1825242	1825243
Order No.: P02150967		Client Sample Ref.:											
		Client Sample ID.:											
		Sample Location:				BH324	BH324	BH324	BH324	BH324	BH319	BH319	BH319
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.20	0.70	3.50	4.80	7.00	0.50	2.50	450
		Bottom Depth (m):											
		Date Sampled:				12-Jun-2024	12-Jun-2024	12-Jun-2024	14-Jun-2024	14-Jun-2024	19-Jun-2024	19-Jun-2024	19-Jun-2024
		Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
Dichloromethane		N	2760	µg/kg	50								
Trans 1,2-Dichloroethene		M	2760	µg/kg	1.0								
1,1-Dichloroethane		M	2760	µg/kg	1.0								
cis 1,2-Dichloroethene		M	2760	µg/kg	1.0								
Bromochloromethane		U	2760	µg/kg	5.0								
Trichloromethane		M	2760	µg/kg	1.0								
1,1,1-Trichloroethane		M	2760	µg/kg	1.0								
Tetrachloromethane		M	2760	µg/kg	1.0								
1,1-Dichloropropene		U	2760	µg/kg	1.0								
Benzene		M	2760	µg/kg	1.0								
1,2-Dichloroethane		M	2760	µg/kg	2.0								
Trichloroethene		N	2760	µg/kg	1.0								
1,2-Dichloropropane		M	2760	µg/kg	1.0								
Dibromomethane		M	2760	µg/kg	1.0								
Bromodichloromethane		M	2760	µg/kg	5.0								
cis-1,3-Dichloropropene		N	2760	µg/kg	10								
Toluene		M	2760	µg/kg	1.0								
Trans-1,3-Dichloropropene		N	2760	µg/kg	10								
1,1,2-Trichloroethane		M	2760	µg/kg	10								
Tetrachloroethene		M	2760	µg/kg	1.0								
1,3-Dichloropropane		U	2760	µg/kg	2.0								
Dibromochloromethane		U	2760	µg/kg	10								
1,2-Dibromoethane		M	2760	µg/kg	5.0								
Chlorobenzene		M	2760	µg/kg	1.0								
1,1,1,2-Tetrachloroethane		M	2760	µg/kg	2.0								
Ethylbenzene		M	2760	µg/kg	1.0								
m & p-Xylene		M	2760	µg/kg	1.0								
o-Xylene		M	2760	µg/kg	1.0								
Styrene		M	2760	µg/kg	1.0								
Tribromomethane		U	2760	µg/kg	1.0								
Isopropylbenzene		M	2760	µg/kg	1.0								
Bromobenzene		M	2760	µg/kg	1.0								
1,2,3-Trichloropropane		N	2760	µg/kg	50								
N-Propylbenzene		U	2760	µg/kg	1.0								
2-Chlorotoluene		M	2760	µg/kg	1.0								
1,3,5-Trimethylbenzene		M	2760	µg/kg	1.0								

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:				24-19025	24-19025	24-19025	24-19335	24-19335	24-19915	24-19915	24-19915
Quotation No.: Q24-35208		Chemtest Sample ID.:				1821792	1821793	1821794	1822927	1822928	1825240	1825242	1825243
Order No.: P02150967		Client Sample Ref.:											
		Client Sample ID.:											
		Sample Location:				BH324	BH324	BH324	BH324	BH324	BH319	BH319	BH319
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.20	0.70	3.50	4.80	7.00	0.50	2.50	450
		Bottom Depth (m):											
		Date Sampled:				12-Jun-2024	12-Jun-2024	12-Jun-2024	14-Jun-2024	14-Jun-2024	19-Jun-2024	19-Jun-2024	19-Jun-2024
		Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
4-Chlorotoluene		U	2760	µg/kg	1.0								
Tert-Butylbenzene		U	2760	µg/kg	1.0								
1,2,4-Trimethylbenzene		M	2760	µg/kg	1.0								
Sec-Butylbenzene		U	2760	µg/kg	1.0								
1,3-Dichlorobenzene		M	2760	µg/kg	1.0								
4-Isopropyltoluene		U	2760	µg/kg	1.0								
1,4-Dichlorobenzene		M	2760	µg/kg	1.0								
N-Butylbenzene		U	2760	µg/kg	1.0								
1,2-Dichlorobenzene		M	2760	µg/kg	1.0								
1,2-Dibromo-3-Chloropropane		U	2760	µg/kg	50								
1,2,4-Trichlorobenzene		M	2760	µg/kg	1.0								
Hexachlorobutadiene		N	2760	µg/kg	1.0								
1,2,3-Trichlorobenzene		U	2760	µg/kg	2.0								
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0								
N-Nitrosodimethylamine		M	2790	mg/kg	0.50								
Phenol		M	2790	mg/kg	0.50								
2-Chlorophenol		N	2790	mg/kg	0.50								
Bis-(2-Chloroethyl)Ether		M	2790	mg/kg	0.50								
1,3-Dichlorobenzene		M	2790	mg/kg	0.50								
1,4-Dichlorobenzene		N	2790	mg/kg	0.50								
1,2-Dichlorobenzene		M	2790	mg/kg	0.50								
2-Methylphenol		M	2790	mg/kg	0.50								
Bis(2-Chloroisopropyl)Ether		M	2790	mg/kg	0.50								
Hexachloroethane		N	2790	mg/kg	0.50								
N-Nitrosodi-n-propylamine		M	2790	mg/kg	0.50								
4-Methylphenol		M	2790	mg/kg	0.50								
Nitrobenzene		N	2790	mg/kg	0.50								
Isophorone		M	2790	mg/kg	0.50								
2-Nitrophenol		N	2790	mg/kg	0.50								
2,4-Dimethylphenol		N	2790	mg/kg	0.50								
Bis(2-Chloroethoxy)Methane		M	2790	mg/kg	0.50								
2,4-Dichlorophenol		N	2790	mg/kg	0.50								
1,2,4-Trichlorobenzene		M	2790	mg/kg	0.50								
Naphthalene		M	2790	mg/kg	0.50								
4-Chloroaniline		N	2790	mg/kg	0.50								
Hexachlorobutadiene		M	2790	mg/kg	0.50								

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:				24-19025	24-19025	24-19025	24-19335	24-19335	24-19915	24-19915	24-19915
Quotation No.: Q24-35208		Chemtest Sample ID.:				1821792	1821793	1821794	1822927	1822928	1825240	1825242	1825243
Order No.: P02150967		Client Sample Ref.:											
		Client Sample ID.:											
		Sample Location:				BH324	BH324	BH324	BH324	BH324	BH319	BH319	BH319
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.20	0.70	3.50	4.80	7.00	0.50	2.50	450
		Bottom Depth (m):											
		Date Sampled:				12-Jun-2024	12-Jun-2024	12-Jun-2024	14-Jun-2024	14-Jun-2024	19-Jun-2024	19-Jun-2024	19-Jun-2024
		Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
4-Chloro-3-Methylphenol		N	2790	mg/kg	0.50								
2-Methylnaphthalene		M	2790	mg/kg	0.50								
4-Nitrophenol		N	2790	mg/kg	0.50								
2,4,6-Trichlorophenol		N	2790	mg/kg	0.50								
2,4,5-Trichlorophenol		N	2790	mg/kg	0.50								
2-Chloronaphthalene		M	2790	mg/kg	0.50								
2-Nitroaniline		N	2790	mg/kg	0.50								
Acenaphthylene		M	2790	mg/kg	0.50								
Dimethylphthalate		M	2790	mg/kg	0.50								
2,6-Dinitrotoluene		N	2790	mg/kg	0.50								
Acenaphthene		M	2790	mg/kg	0.50								
3-Nitroaniline		N	2790	mg/kg	0.50								
Dibenzofuran		M	2790	mg/kg	0.50								
4-Chlorophenylphenylether		M	2790	mg/kg	0.50								
2,4-Dinitrotoluene		N	2790	mg/kg	0.50								
Fluorene		M	2790	mg/kg	0.50								
Diethyl Phthalate		M	2790	mg/kg	0.50								
4-Nitroaniline		N	2790	mg/kg	0.50								
Azobenzene		M	2790	mg/kg	0.50								
4-Bromophenylphenyl Ether		M	2790	mg/kg	0.50								
Hexachlorobenzene		M	2790	mg/kg	0.50								
Phenanthrene		M	2790	mg/kg	0.50								
Anthracene		M	2790	mg/kg	0.50								
Carbazole		M	2790	mg/kg	0.50								
Di-N-Butyl Phthalate		N	2790	mg/kg	0.50								
Fluoranthene		M	2790	mg/kg	0.50								
Pyrene		M	2790	mg/kg	0.50								
Butylbenzyl Phthalate		N	2790	mg/kg	0.50								
Benzo[a]anthracene		M	2790	mg/kg	0.50								
Chrysene		M	2790	mg/kg	0.50								
Bis(2-Ethylhexyl)Phthalate		N	2790	mg/kg	0.50								
Di-N-Octyl Phthalate		N	2790	mg/kg	0.50								
Benzo[b]fluoranthene		M	2790	mg/kg	0.50								
Benzo[k]fluoranthene		M	2790	mg/kg	0.50								
Benzo[a]pyrene		M	2790	mg/kg	0.50								
Indeno(1,2,3-c,d)Pyrene		N	2790	mg/kg	0.50								

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:				24-19025	24-19025	24-19025	24-19335	24-19335	24-19915	24-19915	24-19915
Quotation No.: Q24-35208		Chemtest Sample ID.:				1821792	1821793	1821794	1822927	1822928	1825240	1825242	1825243
Order No.: P02150967		Client Sample Ref.:											
		Client Sample ID.:											
		Sample Location:				BH324	BH324	BH324	BH324	BH324	BH319	BH319	BH319
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.20	0.70	3.50	4.80	7.00	0.50	2.50	450
		Bottom Depth (m):											
		Date Sampled:				12-Jun-2024	12-Jun-2024	12-Jun-2024	14-Jun-2024	14-Jun-2024	19-Jun-2024	19-Jun-2024	19-Jun-2024
		Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
Dibenz(a,h)Anthracene		N	2790	mg/kg	0.50								
Benzo[g,h,i]perylene		M	2790	mg/kg	0.50								
Naphthalene		M	2800	mg/kg	0.10	0.41	< 0.10	< 0.10	< 0.10	< 0.10	3.5	0.10	0.70
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.2	< 0.10	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.1	< 0.10	0.12
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.93	< 0.10	0.15
Phenanthrene		M	2800	mg/kg	0.10	0.42	< 0.10	0.59	< 0.10	< 0.10	2.0	< 0.10	0.82
Anthracene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.67	< 0.10	0.19
Fluoranthene		M	2800	mg/kg	0.10	0.38	< 0.10	0.27	< 0.10	0.28	2.6	< 0.10	0.31
Pyrene		M	2800	mg/kg	0.10	0.30	< 0.10	0.25	< 0.10	0.26	1.9	< 0.10	0.22
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.3	< 0.10	0.16
Chrysene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.6	< 0.10	0.20
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.6	< 0.10	0.24
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.83	< 0.10	0.22
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.5	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.6	< 0.10	0.19
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.33	< 0.10	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.3	< 0.10	0.18
Total Of 16 PAH's		N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	25	< 2.0	3.7

Results - Soil

Project: 315531 EAF Meltshop

Client: RSK Geosciences		Chemtest Job No.:		24-19915	24-19915	24-19915	24-21511	24-21511	24-21511	24-21511	24-21511	24-21511
Quotation No.: Q24-35208		Chemtest Sample ID.:		1825245	1825246	1825247	1831342	1831343	1831344	1831345	1831346	1831346
Order No.: P02150967		Client Sample Ref.:					ES	ES	ES	ES	ES	ES
		Client Sample ID.:					1	2	1	1	2	2
		Sample Location:		BH320	BH320	BH320	BH331	BH331	BH329	BH328	BH328	BH328
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.50	1.50	3.60	0.4	2.0	4.5	0.5	1.5	1.5
		Bottom Depth (m):										
		Date Sampled:		19-Jun-2024	19-Jun-2024	19-Jun-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
		Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD							
ACM Type		U	2192		N/A	-	-	-	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry		U	2192	%	0.001							
Total Asbestos		U	2192	%	0.001							
Moisture		N	2030	%	0.020	4.5	19	24	8.4	5.9	5.0	4.1
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Roots	Stones	Stones	Stones	Stones
Soil Texture		N	2040		N/A	Loam	Clay	Clay	Loam	Sand	Sand	Loam
pH at 20C		M	2010		4.0							
Arsenic		M	2455	mg/kg	0.5	6.4	9.9	15	2.9	9.0	6.3	4.1
Cadmium		M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.60	< 0.10	0.18	0.45
Chromium		M	2455	mg/kg	0.5	26	46	29	550	19	170	1300
Copper		M	2455	mg/kg	0.50	42	13	8.8	32	2.7	24	44
Mercury		M	2455	mg/kg	0.05	0.08	0.12	< 0.05	< 0.05	< 0.05	0.05	< 0.05
Nickel		M	2455	mg/kg	0.50	11	18	31	23	4.9	9.9	27
Lead		M	2455	mg/kg	0.50	42	25	18	24	5.9	36	23
Selenium		M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Zinc		M	2455	mg/kg	0.50	73	64	73	500	15	75	130
Chromium (Hexavalent)		N	2490	mg/kg	0.50							
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	[B] < 0.10	[B] < 0.10	[B] < 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	[B] < 0.25	[B] < 0.25	[B] < 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	[B] 7.3	[B] 8.5	[B] 14	6.8	7.2	7.9	7.8
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	[B] 2.1	[B] 5.9	[B] 22	2.6	2.9	4.6	6.0
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	[B] < 2.0	[B] 3.5	[B] 75	< 2.0	< 2.0	3.2	5.1
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	[B] 4.4	[B] 25	[B] 430	< 3.0	< 3.0	92	16
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	[B] < 10	[B] < 10	[B] 81	< 10	< 10	27	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	[B] 14	[B] 43	[B] 540	12	11	110	35
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	[B] 14	[B] 43	[B] 620	12	11	130	35
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	[B] < 0.05	[B] < 0.05	[B] < 0.05	< 0.05	< 0.05	< 0.05	< 0.05