

Project No:	110158	Easting (AMG):	317179.131	Equipment:	Push Tube
Project:	Eveleigh Gasworks	Northing (AMG):	1247760.045	Contractor:	Macquarie
Site:	Macedonaldtown Triangle	Elevation (mAHD):	19.81	Logged By:	Maria Milos
Date:	19-Apr-00	Water Level (mbtc):	N/A	Project Manager:	Les Moore
Weather:	Rain	Final Depth (mngl):	4.2m	Checked By:	

Depth (m)	Water Found	Sample PID	Sample No.	Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
0.1		0	15-0.0-0.1		FILL: Dark brown, gravelly fill, gravel fragments less than 3cm, minor fine roots.	
0.2						
0.3			15-0.2-0.3			
0.4					FILL: Brown/black coke fill, dry, crumbly, light, minor coarse black sand.	Auger
0.5						
0.6						
0.7						
0.8						
0.9					FILL: Red, clay, compacted, dry, weathered shale red.	
1.0			15-0.9-1.0			
1.1						
1.2						
1.3						
1.4		0	15-1.4-1.5		FILL: Dark grey clay and coke fill	
1.5						
1.6						
1.7						
1.8						
1.9						
2.0			15-1.9-2.0			
2.1						
2.2					Orange/grey/mottled clay, plastic.	
2.3						
2.4						
2.5						Push tube
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3					Brown mottled white clayey sand; dry, compacted then crumbles in your hand to loose powder	
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0		0	15-4.1-4.2		Brown mottled white clayey sand	

GEOGRAPHICAL DATA		SOIL BORE LOG		Bore No. <u>16</u>	
PROJECT DATA		Sheet 1 of 1			
Project No.	110158	Easting (AMG)	317184.659	Equipment	Auger
Project	Eveleigh Gasworks	Northing (AMG)	1247749.137	Contractor	Macquarie
Site	Macdonaldtown Triangle	Elevation (mAHD)	18.56	Logged By	Maria Milos
Date	19-Apr-00	Water Level (mbtc)	N/A	Project Manager	Lee Moore
Weather	Rain	Final Depth (mbgl)	4.1m	Checked By	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1			16-0.0-0.1		FILL, Dark brown, gravelly fill, gravel fragments less than 3cm, minor fine roots.	
0.2						
0.3						
0.4						
0.5						
0.6						
0.7						
0.8					FILL, Orange/grey/black coarse sand/fill and rock fragments.	
0.9			16-0.9-1.0			
1.0						
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8					FILL, Grey/tan plastic clay (some gravel) (wet)	
1.9						
2.0	0					
2.1	0.3		16-2.0-2.1			
2.2						
2.3						
2.4						
2.5						
2.6			16-2.6-2.7		Grey plastic clay, fine roots (wet)	
2.7						
2.8						
2.9						
3.0						
3.1	0		16-3.1-3.1			
3.2						
3.3						
3.4						
3.5						
3.6					Grey loose weathered shale (dry)	
3.7						
3.8						
3.9						
4.0						
					SOIL TO 4 m on shale	

Notes
 0-100 metres below ground level 100-200 metres below ground level 200-300 metres below ground level

CHESA HILL AUSTRALIA PT. LTD		Soil Bore Log		Bore No. 18	
				Sheet 1 of 1	
Project No:	110158	Easting (AMG):	317129.118	Equipment:	Push Tube
Project:	Eveleigh Gasworks	Northing (AMG):	1247706.185	Contractor:	Macquarie
Site:	Macdonaldtown Triangle	Elevation (mAHN):	15.65	Logged By:	Maria Milos
Date:	18-Apr-00	Water Level (mbls):	N/A	Project Manager:	Lee Moore
Weather:	Cloudy	Final Depth (mbls):	4.0m	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1					FILL, Dark brown, gravelly fill, gravel fragments less than 3cm, minor fine roots.	
0.2		7.6	18-0.2-0.3		FILL, Black ash, coke layer, dry, loose, fragments coke slag less than 1cm.	
0.3						
0.4		0.4	18-0.4-0.5			
0.5						
0.6						
0.7					FILL, Brown, grey, red mottled clay, compacted, rock fragments less than 1cm.	
0.8						
0.9						
1.0						
1.1		0.2	18-1.0-1.1			
1.2					FILL, Dark gray/black/red, plastic, moist clay. Less than 1cm shale fragments, (Strong odour BENZENE)	
1.3						
1.4						
1.5						
1.6						
1.7		33.4	18-1.7-1.8		FILL, Black, wet silty, minor rock fragments less than 0.5cm, oily, larry, (very high benzene odour)	
1.8						
1.9						
2.0						
2.1						
2.2					Dark grey plastic silty clay, roots, (odourous)	
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9		1.8	18-2.9-3.0			
3.0						
3.1						
3.2					Red, clay, compacted, dry, weathered shale, red, (odourous)	
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9		6.4	18-3.9-4.0			
4.0					END 4.0m log	

Notes:
 1. All depths Australian Height Datum 2. mbls = metres below ground level 3. mbs = metres below top of casing

CH2M HILL	SOIL BORE LOG	Bore No. <u>TP19</u>
CH2M HILL AUSTRALIA Pty Ltd		Sheet 1 of 1

Project No: <u>110158</u>	Easting (AMG): <u>317085.053</u>	Equipment: <u>Excavator</u>
Project: <u>Eveleigh Gasworks</u>	Northing (AMG): <u>1247726.526</u>	Contractor: <u>JFT(PC45R)</u>
Site: <u>Macdonaldtown Triangle</u>	Elevation (mAHD): <u>19.95</u>	Logged By: <u>Kelly Chan</u>
Date: <u>19-Apr-00</u>	Water Level (mbtc): <u>N/A</u>	Project Manager: <u>Lee Moore</u>
Weather: <u>Overcast</u>	Final Depth (mbgl): <u>0.2m</u>	Checked By: _____

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1			TP19-0.0-0.1		FILL. Dark brown sand with some gravel ballast. moist, unconsolidated.	
0.2					EOH at 0.2 refusal on concrete pad	
0.3						
0.4						
0.5						
0.6						
0.7						
0.8						
0.9						
1.0						
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2.0						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

NOTES
 mAHD: metres Australian Height Datum mbtc: metres below ground level mbtc: metres below top of casing

CH2M HILL		SOIL BORE LOG		Bore No. <u>21</u>	
CH2M HILL AUSTRALIA Pty Ltd				Sheet 1 of 1	
Project No:	110158	Easting (AMG)	317153.515	Equipment:	Excavator
Project:	Eveleigh Gasworks	Northing (AMG)	1247765.894	Contractor:	JFT(PC45R)
Site:	Macdonaldtown Triangle	Elevation (mAHD):	20.26	Logged By:	Kelly Chan
Date:	19-Apr-00	Water Level (mbtc):	N/A	Project Manager:	Lee Moore
Weather:	Raining	Final Depth (mbgl):	0.4m	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1						
0.2			21-0.2		FILL, Brick and Gravel ballast, minor sand, moist, dark brown, unconsolidated.	
0.3						
0.4					EOH @ 0.4m refusal on concrete.	
0.5						
0.6						
0.7						
0.8						
0.9						
1.0						
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2.0						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

Notes
mAHD:metres Australian Height Datum mbgl:metres below ground level mbtc:metres below top of casing

CH2M HILL CH2M HILL AUSTRALIA PTY LTD		SOIL BORE LOG		Bore No. <u>22</u>	
		Sheet 1 of 1			
Project No:	110158	Easting (AMG)	317173.503	Equipment:	Excavator
Project:	Eveleigh Gasworks	Northing (AMG)	1247771.465	Contractor:	JFT(PC45R)
Site:	Macdonaldtown Triangle	Elevation (mAHD):	20.25	Logged By:	Kelly Chan
Date:	19-Apr-00	Water Level (mbtc):	N/A	Project Manager:	Lee Moore
Weather:	Raining	Final Depth (mbgl):	1.0m	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1					FILL, Dark brown sand/gravel ballast, unconsolidated, moist, some organic matter.	
0.2			22-0.2			
0.3						
0.4					FILL, Same as above with some sandstone fragments and brick work at 0.6m.	
0.5						
0.6			22-0.6			
0.7					EOH @ 1.0m refusal on concrete slab	
0.8						
0.9						
1.0						
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2.0						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

Notes		
mAHD metres Australian Height Datum	mbtc metres below ground level	mbtc metres below top of casing

CH2M HILL		SOIL BORE LOG		Bore No. <u>23</u>	
CH2M HILL AUSTRALIA Pty Ltd				Sheet <u>1</u> of <u>1</u>	
Project No:	<u>110158</u>	Easting (AMG):	<u>317240.310</u>	Equipment:	<u>Push Tube</u>
Project:	<u>Eveleigh Gasworks</u>	Northing (AMG):	<u>1247797.434</u>	Contractor:	<u>Macquarie</u>
Site:	<u>Macdonaldtown Triangle</u>	Elevation (mAHD):	<u>20.13</u>	Logged By:	<u>Maria Milos</u>
Date:	<u>18-Apr-00</u>	Water Level (mbtc):	<u>N/A</u>	Project Manager:	<u>Lee Moore</u>
Weather:	<u>Cloudy</u>	Final Depth (mbgt):	<u>4.0m</u>	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1		0.6	23-0.0-0.1		FILL, Dark brown, gravelly sand, minor dark clay, gravel fragments less than 2cm.	
0.2						
0.3						
0.4						
0.5						
0.6		1.1	23-0.5-0.6			
0.7						
0.8						
0.9		0.7	23-0.8-0.9			
1.0						
1.1					FILL, Grey, molted red clay, dry, weathered shale, decomposed shale.	
1.2						
1.3						
1.4						
1.5						
1.6		0.5				
1.7						
1.8						
1.9						
2.0						
2.1		1.7	23-2.0-2.1		FILL, Orange/brown coarse sand, wet, minor rock fragments less than 1 cm.	
2.2						
2.3						
2.4						
2.5						
2.6		0.7	23-2.5-2.6			
2.7						
2.8						
2.9						
3.0						
3.1					Dark brown/tan/grey plastic clay homogeneous.	
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						
					ECH @ 4.0m on clay.	

Notes		
in AHD metres Australian Height Datum	mbtc metres below ground level	mbtc metres below top of casing

CH2M HILL CH2M HILL AUSTRALIA Pty Ltd		SOIL BORE LOG		Bore No. <u>24</u>	
				Sheet 1 of 1	
Project No:	110158	Easting (AMG)	317222.325	Equipment:	Push Tube
Project:	Eveleigh Gasworks	Northing (AMG)	1247793.813	Contractor:	Macquarie
Site:	Macdonaldtown Triangle	Elevation (mAHD):	19.88	Logged By:	Maria Milos
Date:	18-Apr-00	Water Level (mbtc):	N/A	Project Manager:	Lee Moore
Weather:	Cloudy	Final Depth (mbgl):	3.0m	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1		0.5	24-0 0-0.1		FILL, Dark brown gravelly sand, minor line roots, minor coke fragments <0.5cm, gravel ballast less than 5cm.	
0.2		0.7	24-0 2-0.3		FILL, Dark brown black, coke slag, light, crumbly, coke fragments less than 1cm.	
0.3						
0.4		0.8	24-0 4-0.5		FILL, Orange coarse building sand, dry, going into creamy building sand, coarse, dry, loose.	
0.5						
0.6						
0.7						
0.8						
0.9						
1.0		1.3				
1.1						
1.2			24-1.1-1.2			
1.3						
1.4						
1.5						
1.6						
1.7		0	24-1.7-1.8			
1.8						
1.9					Grey/red mottled clay, weathered shale, decomposed grey shale, tree roots.	
2.0						
2.1						
2.2						
2.3						
2.4						
2.5			24-2.5-2.6		Dark grey crumbly clay, minor roots (fine), organic odour, minor tree roots(bid), less than 1cm shale fragments.	
2.6						
2.7						
2.8					Tan/grey plastic clay, homogeneous.	
2.9						
3.0		3.3	24-2.9-3.0			
3.1					EOH @ 3.0m on clay	
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

Notes		
mAHD metres Australian Height Datum	mbgl metres below ground level	mbtc metres below top of casing