IAN FARMER ASSOCIATES
Geotechnical & Environmental Specialists

Gas and Groundwater Monitoring Results

Contract Number:	*41973*	**Gas Monitor:**	*GA5000*
Contract Name:	*Picaddilly Basin*	**Readings Taken By:**	*DM*
Date:	*9th November 2016*	**Checked By:**	*HH*

Background Readings:			O_2% v/v	CO_2% v/v	CH_4% v/v	CO ppm	H_2S ppm
	Weather Conditions:	*Dull, rain, breezy 5.c*					
	Ground Conditions (dry / wet etc):	*Wet*					
	Atmospheric Pressure (Start):	*995*	*21.3*	*0.0*	*0.0*	*0.0*	*0.0*
	Atmospheric Pressure (Finish):	*995*					
	(Start): 12.20	Time (Finish): 13					

Hole No:	VOC ppm	O_2% v/v	CO_2% v/v	CH_4% v/v		CO ppm	H_2S ppm	Rel Pressure (mb)	Gas flow Rate (l/hr)	Depth to base of well	SWL	LNAPL or DNAPL
	Steady	Steady	Steady	Peak	Steady	Steady	Steady	Steady	Range	mBGL	mBGL	mBGL
WS03	*0.0*	*17.9*	*0.3*	*0.0*	*0.0*	*0*	*0*	*0.17*	*0.0*	*1.54*	*1.17*	*ND*
WS04	*0.0*	*21.0*	*0.1*	*0.0*	*0.0*	*0*	*0*	*0.22*	*0.0*	*2.10*	*Dry*	*ND*
WS13	*0.0*	*8.9*	*8.9*	*0.0*	*0.0*	*0*	*0*	*0.20*	*0.0*			
CP02												
R02												

>>>> = Flow above detection limit of 30 l/hr, <<< = Negative flow greater than -10 l/hr. >Max = In excess of lower explosive limit.

Remarks: CP02 & R02 Car parked over well. WS13 unable to dip.

IAN FARMER ASSOCIATES
Geotechnical & Environmental Specialists

Gas and Groundwater Monitoring Results

Contract Number:	*41973*	**Gas Monitor:**	*GA5000*
Contract Name:	*Picaddilly Basin*	**Readings Taken By:**	*DM*
Date:	*23rd Novmeber 2016*	**Checked By:**	*HH*

Background Readings:			O_2% v/v	CO_2% v/v	CH_4% v/v	CO ppm	H_2S ppm
	Weather Conditions:	*Dull & Mild*					
	Ground Conditions (dry / wet etc):	*Wet*					
	Atmospheric Pressure (Start):	*1015mb*	*21.2*	*0.0*	*0.0*	*0*	*0*
	Atmospheric Pressure (Finish):	*1014mb*					
	Time (Start): 09:45	Time (Finish): 10:45					

Hole No:	VOC ppm	O_2% v/v	CO_2% v/v	CH_4% v/v		CO ppm	H_2S ppm	Rel Pressure (mb)	Gas flow Rate (l/hr)	Depth to base of well	SWL	LNAPL or DNAPL
	Steady	Steady	Steady	Peak	Steady	Steady	Steady	Steady	Range	mBGL	mBGL	mBGL
WS03	*0.0*	*6.5*	*1.0*	*5.2*	*5.2*	*0*	*0*	*0.10*	*0.0*	*1.53*	*1.05*	*ND*
WS04	*0.0*	*20.8*	*0.1*	*0.0*	*0.0*	*0*	*0*	*0.12*	*0.0*	*2.10*	*DRY*	*ND*
WS13	*0.0*	*18.8*	*3.9*	*0.0*	*0.0*	*0*	*0*	*0.02*	*0.0*	*1.95*	*1.02*	*ND*
CP02	*0.0*	*7.3*	*3.4*	*0.2*	*0.0*	*0*	*0*	*-3.77*	*-0.8*	*2.67*	*1.23*	*ND*
R02	*0.0*	*11.1*	*1.8*	*0.0*	*0.0*	*0*	*0*	*-0.17*	*-0.1*	*35.85*	*20.40*	*ND*

>>>> = Flow above detection limit of 30 l/hr, <<< = Negative flow greater than -10 l/hr. >Max = In excess of lower explosive limit.

Remarks:

IAN FARMER ASSOCIATES
Geotechnical & Environmental Specialists

Gas and Groundwater Monitoring Results

Contract Number:	*41973*	**Gas Monitor:**	*GA5000*
Contract Name:	*Picaddilly Basin*	**Readings Taken By:**	*DM*
Date:	*30th November 2016*	**Checked By:**	*HH*

Background Readings:			O_2% v/v	CO_2% v/v	CH_4% v/v	CO ppm	H_2S ppm
	Weather Conditions:	*Dull & Breezy*					
	Ground Conditions (dry / wet etc):	*Damp*					
	Atmospheric Pressure (Start):	*1029mb*	*21.4*	*0.0*	*0.0*	*0*	*0*
	Atmospheric Pressure (Finish):	*1028mb*					
	Time (Start): 08:30	Time (Finish): 09:45					

Hole No:	VOC ppm	O_2% v/v	CO_2% v/v	CH_4% v/v		CO ppm	H_2S ppm	Rel Pressure (mb)	Gas flow Rate (l/hr)	Depth to base of well	SWL	LNAPL or DNAPL
	Steady	Steady	Steady	Peak	Steady	Steady	Steady	Steady	Range	mBGL	mBGL	mBGL
WS03	*0.0*	*6.3*	*2.8*	*0.0*	*0.0*	*0*	*0*	*-0.25*	*-0.1*	*1.52*	*1.33*	*ND*
WS04	*0.0*	*21.3*	*0.2*	*0.0*	*0.0*	*0*	*0*	*0.03*	*0.0*	*2.14*	*DRY*	*ND*
WS13	*0.0*	*21.1*	*0.2*	*0.0*	*0.0*	*0*	*0*	*-0.22*	*0.0*	*2.05*	*1.44*	*ND*
CP02	*0.0*	*21.1*	*0.2*	*0.0*	*0.0*	*0*	*0*	*-0.08*	*0.0*	*2.65*	*1.14*	*ND*
R02	*0.0*	*20.0*	*0.5*	*0.0*	*0.0*	*0*	*0*	*-1.00*	*-0.1*	*35.75*	*20.45*	*ND*

>>>> = Flow above detection limit of 30 l/hr, <<< = Negative flow greater than -10 l/hr. >Max = In excess of lower explosive limit.

Remarks:

IAN FARMER ASSOCIATES
Geotechnical & Environmental Specialists

Gas and Groundwater Monitoring Results

Contract Number:	*41973*	**Gas Monitor:**	*GA5000*
Contract Name:	*Piccadilly Basin*	**Readings Taken By:**	*DM*
Date:	*22nd December 2016*	**Checked By:**	*HH*

Background Readings:			O_2% v/v	CO_2% v/v	CH_4% v/v	CO ppm	H_2S ppm
	Weather Conditions:	*Dull, breezy 6 °c*					
	Ground Conditions (dry / wet etc):	*Wet*					
	Atmospheric Pressure (Start):	*1015mb*	*21.7*	*0.0*	*0.0*	*0*	*0*
	Atmospheric Pressure (Finish):	*1016mb*					
	Time (Start): 08:30 Time (Finish):	09:30					

Hole No:	VOC ppm	O_2% v/v	CO_2% v/v	CH_4% v/v		CO ppm	H_2S ppm	Rel Pressure (mb)	Gas flow Rate (l/hr)	Depth to base of well	SWL	LNAPL or DNAPL
	Steady	Steady	Steady	Peak	Steady	Steady	Steady	Steady	Range	mBGL	mBGL	mBGL
WS03	*0.0*	*10.4*	*2.1*	*0.9*	*0.9*	*0*	*0*	*-0.10*	*0.0*	*1.60*	*1.22*	*ND*
WS04	*0.0*	*21.6*	*0.6*	*0.0*	*0.0*	*0*	*0*	*0.10*	*0.0*	*2.12*	*2.05*	*ND*
WS13	*0.0*	*21.7*	*0.1*	*0.0*	*0.0*	*0*	*0*	*0.12*	*0.0*	*1.98*	*1.16*	*ND*
CP02	*0.0*	*20.4*	*1.8*	*0.0*	*0.0*	*0*	*0*	*-0.07*	*0.0*	*2.65*	*1.15*	*ND*
R02	*0.0*	*14.4*	*0.6*	*0.0*	*0.0*	*0*	*0*	*0.00*	*0.0*	*35.77*	*20.52*	*ND*

>>>> = Flow above detection limit of 30 l/hr, <<< = Negative flow greater than -10 l/hr. >Max = In excess of lower explosive limit.

Remarks:

IAN FARMER ASSOCIATES
Geotechnical & Environmental Specialists

Gas and Groundwater Monitoring Results

Contract Number:	*41973*	**Gas Monitor:**	*GA5000*
Contract Name:	*Piccadilly Basin*	**Readings Taken By:**	*NM*
Date:	*5th January 2017*	**Checked By:**	*HH*

Background Readings:			O_2% v/v	CO_2% v/v	CH_4% v/v	CO ppm	H_2S ppm
	Weather Conditions:	*Dry & bright*					
	Ground Conditions (dry / wet etc):	*dry*					
	Atmospheric Pressure (Start):	*1026mb*	*21.2*	*0.0*	*0.0*	*0.0*	*0.0*
	Atmospheric Pressure (Finish):	*1026mb*					
	Time (Start): 10:00 Time (Finish):	10:40					

Hole No:	VOC ppm	O_2% v/v	CO_2% v/v	CH_4% v/v		CO ppm	H_2S ppm	Rel Pressure (mb)	Gas flow Rate (l/hr)	Depth to base of well	SWL	LNAPL or DNAPL
	Steady	Steady	Steady	Peak	Steady	Steady	Steady	Steady	Range	mBGL	mBGL	mBGL
WS03	*0.0*	*7.9*	*0.0*	*0.0*	*0.0*	*1*	*0*	*0.00*	*0.0*	*2.34*	*2.01*	*N/D*
WS04	*0.0*	*21.1*	*0.0*	*0.0*	*0.0*	*0*	*0*	*0.00*	*0.0*	*2.11*	*dry*	*N/D*
WS13	*0.0*	*20.7*	*0.2*	*0.0*	*0.0*	*0*	*0*	*0.00*	*0.0*	*1.93*	*1.73*	*N/D*
CP02	CP02 obstructed by a car, unable to monitor											
R02	*0.0*	*21.0*	*0.1*	*0.0*	*0.0*	*0*	*0*	*0.00*	*0.0*	*36.15*	*14.59*	*N/D*

>>>> = Flow above detection limit of 30 l/hr, <<< = Negative flow greater than -10 l/hr. >Max = In excess of lower explosive limit.

Remarks:

IAN FARMER ASSOCIATES
Geotechnical & Environmental Specialists

Gas and Groundwater Monitoring Results

Contract Number:	*41973*	**Gas Monitor:**	*GA5000*
Contract Name:	*Piccadilly Basin*	**Readings Taken By:**	*DM*
Date:	*19th January 2017*	**Checked By:**	*HH*

Background Readings:			O_2% v/v	CO_2% v/v	CH_4% v/v	CO ppm	H_2S ppm
	Weather Conditions:	*Overcast*					
	Ground Conditions (dry / wet etc):	*Wet*					
	Atmospheric Pressure (Start):	*1031mb*	*21.4*	*0.0*	*0.0*	*0*	*0*
	Atmospheric Pressure (Finish):	*1032mb*					
	Time (Start): 11:00	Time (Finish): 12:00					

Hole No:	VOC ppm	O_2% v/v	CO_2% v/v	CH_4% v/v		CO ppm	H_2S ppm	Rel Pressure (mb)	Gas flow Rate (l/hr)	Depth to base of well	SWL	LNAPL or DNAPL
	Steady	Steady	Steady	Peak	Steady	Steady	Steady	Steady	Range	mBGL	mBGL	mBGL
WS03	*0.0*	*12.5*	*0.7*	*2.4*	*0.0*	*0*	*0*	*0.10*	*0.0*	*1.55*	*1.05*	*ND*
WS04	*0.0*	*21.1*	*0.1*	*0.0*	*0.0*	*0*	*0*	*0.00*	*0.0*	*2.12*	*2.10*	*ND*
WS13	*0.0*	*21.2*	*0.1*	*0.0*	*0.0*	*0*	*0*	*-0.29*	*0.0*	*1.95*	*1.16*	*ND*
CP02	*0.0*	*21.4*	*0.0*	*0.0*	*0.0*	*0*	*0*	*-2.64*	*0.2*	*2.65*	*1.04*	*ND*
R02	*0.0*	*21.3*	*0.1*	*0.0*	*0.0*	*0*	*0*	*-0.41*	*0.0*	*35.70*	*20.55*	*ND*

>>>> = Flow above detection limit of 30 l/hr, <<< = Negative flow greater than -10 l/hr. >Max = In excess of lower explosive limit.

Remarks: