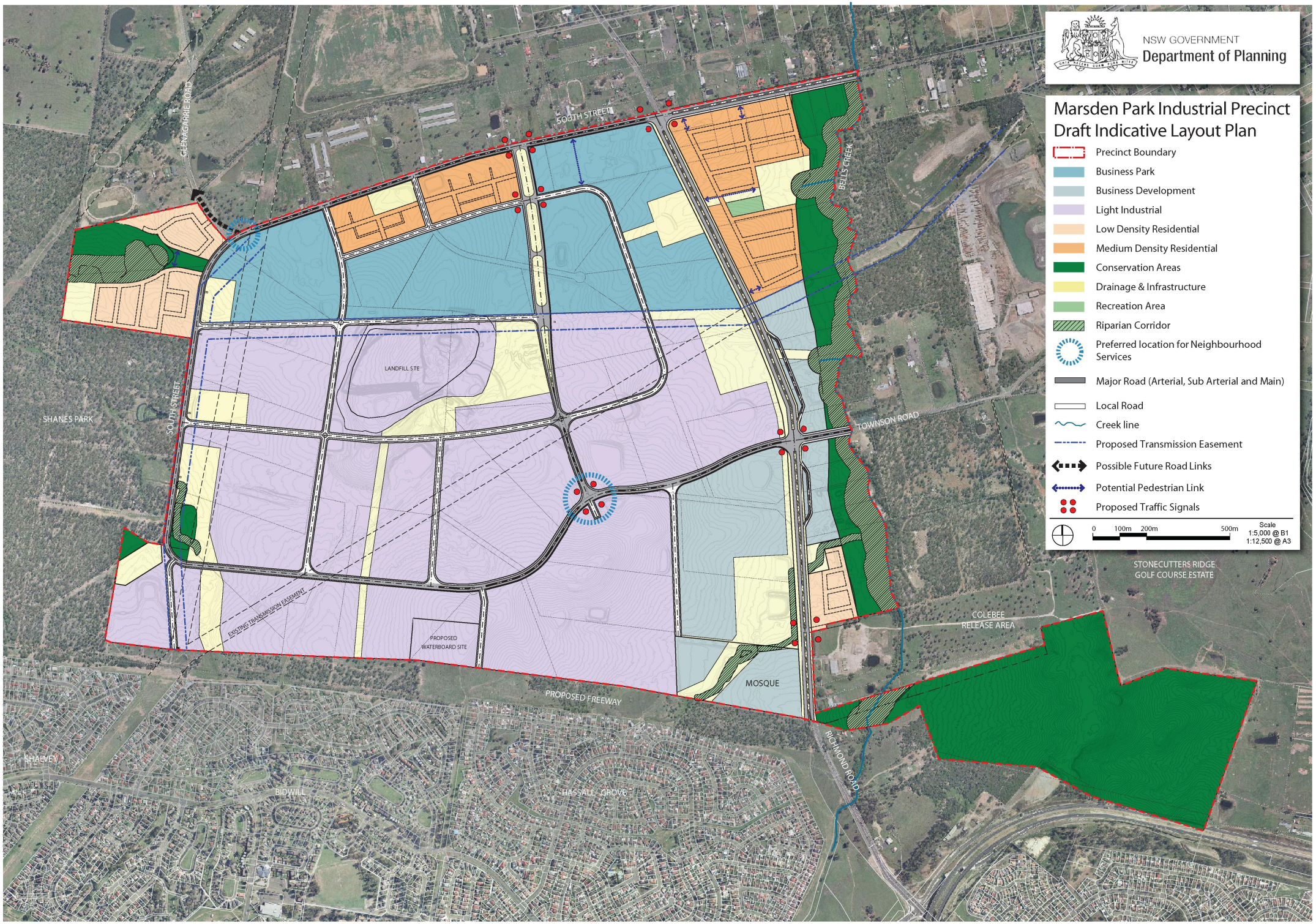
NSW GOVERNMENT
Department of Planning
Marsden Park Industrial Precinct
Draft Indicative Layout Plan
Precinct Boundary
Business Park
Business Development
Light Industrial
Low Density Residential
Medium Density Residential
Conservation Areas
Drainage & Infrastructure
Recreation Area
Riparian Corridor
Preferred location for Neighbourhood Services
Major Road (Arterial, Sub Arterial and Main)
Local Road
Creek line
Proposed Transmission Easement
Possible Future Road Links
Potential Pedestrian Link
Proposed Traffic Signals
0
100m
200m
500m
Scale
1:5,000 @ B1
1:12,500 @ A3
GLENAGARRIE ROAD
SOUTH STREET
BELLS CREEK
LANDFILL STE
SHANES PARK
SOUTH STREET
TOWNSON ROAD
EXISTING TRANSMISSION EASEMENT
PROPOSED WATERBOARD SITE
MOSQUE
PROPOSED FREEWAY
COLEBEE RELEASE AREA
STONECUTTERS RIDGE GOLF COURSE ESTATE
RICHMOND ROAD
SHALVEY
BIDWILL
HASSALL GROVE

Appendix B

Summary Results Tables

Table A - Soil Analytical Summary Results
Marsden Park Industrial Precinct

			Metals							Lead	TPH					BTEX			
			Arsenic	Cadmium	Chromium (III+VI)	Copper	Mercury	Nickel	Zinc	Lead	TPH C 6 - C 9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH+C10 - C36 (Sum of total)	Benzene	Ethylbenzene	Toluene	Xylene Total
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL			4	0.5	1	1	0.1	1	1	1	10	50	100	100		0.2	0.5	0.5	
HIL (A) (NSW DECC 2006)			**100**	**20**	**100**	**1000**	**15**	**600**	**7000**	**300**	-	-	-	-	-	-	-	-	-
HIL (E) (NSW DECC 2006)			**200**	**40**	**200**	**2000**	**30**	**600**	**14000**	**600**	-	-	-	-	-	-	-	-	-
HIL (F) (NSW DECC 2006)			**500**	**100**	**500**	**5000**	**75**	**3000**	**35000**	**1500**	-	-	-	-	-	-	-	-	-
PBILS (NSW DECC 2006)			**20**	**3**	**400**	**100**	**1**	**60**	**200**	**600**	-	-	-	-	-	-	-	-	-
Threshold Concentrations (NSW EPA 1994)			-	-	-	-	-	-	-	**300**	**65**	-	-	-	**1000**	**1**	**50**	**130**	**25**
Field_ID	**Sample_Depth**	**Sampled_Date**																	
Landfill Site																			
BH1	0 - 0.1	14/10/2008	5	<0.5	22	19	<0.1	20	42	15	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
BH1	0.5	14/10/2008	6	<0.5	19	7	<0.1	3	8	18	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
BH2	0 - 0.1	15/10/2008	<4	<0.5	54	25	<0.1	**60**	56	15	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
BH2	0.5	15/10/2008	<4	<0.5	57	27	<0.1	**67**	39	16	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
BH3	0 - 0.1	15/10/2008	4	0.7	28	18	<0.1	14	**400**	42	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
BH3	0.5	15/10/2008	6	<0.5	25	15	<0.1	9	46	21	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP15	0 - 0.1	8/10/2008	7	0.6	53	23	<0.1	58	44	20	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP16	0 - 0.1	8/10/2008	4	<0.5	42	42	<0.1	**68**	69	15	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP17	0 - 0.1	8/10/2008	<4	0.6	97	42	<0.1	**140**	70	12	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP18	0 - 0.1	8/10/2008	<4	0.5	90	43	<0.1	**150**	59	11	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP19	0 - 0.1	9/10/2008	5	<0.5	39	40	<0.1	**70**	67	14	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP20	0 - 0.1	9/10/2008	8	<0.5	35	14	<0.1	16	21	20	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP21	0 - 0.1	9/10/2008	5	<0.5	23	33	<0.1	22	38	18	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP22	0 - 0.1	9/10/2008	9	0.5	18	31	<0.1	16	120	63	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP23	0 - 0.1	9/10/2008	<4	<0.5	67	40	<0.1	**100**	61	12	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
Paddock																			
TP1	0 - 0.2	7/10/2008	8	<0.5	18	26	<0.1	13	**280**	24	<25	<50	<100	<100	ND	-	-	-	-
TP2	0 - 0.2	7/10/2008	9	<0.5	22	25	<0.1	8	**230**	29	<25	<50	<100	<100	ND	-	-	-	-
TP3	1.7-1.9	7/10/2008	7	<0.5	40	41	0.6	39	140	32	<25	<50	<100	<100	ND	-	-	-	-
TP4	1.7	7/10/2008	13	0.7	26	45	0.2	12	130	38	<25	<50	<100	<100	ND	-	-	-	-
TP5	2.1	7/10/2008	4	<0.5	11	17	<0.1	6	100	13	<25	<50	<100	<100	ND	-	-	-	-
TP7	0 - 0.1	7/10/2008	12	1.1	22	31	<0.1	17	**340**	40	<25	<50	<100	<100	ND	-	-	-	-
TP8	1.2	8/10/2008	6	0.6	94	50	<0.1	**150**	130	17	<25	<50	<100	<100	ND	-	-	-	-
TP9	0 - 0.1	8/10/2008	8	0.5	21	39	<0.1	12	**400**	36	<25	<50	<100	<100	ND	-	-	-	-
TP10	0 - 0.1	8/10/2008	8	<0.5	23	32	<0.1	9	**420**	61	<25	<50	<100	<100	ND	-	-	-	-
TP12	2	8/10/2008	6	<0.5	9	26	<0.1	2	**200**	11	<25	<50	<100	<100	ND	-	-	-	-
TP13	1.9	8/10/2008	7	<0.5	20	28	<0.1	18	**300**	19	<25	<50	<100	<100	ND	-	-	-	-
Steggles Chicken Factory																			
HA11	0 - 0.1	1/10/2008	6	0.8	51	38	<0.1	**65**	110	41	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
HA12	0 - 0.1	1/10/2008	<4	<0.5	20	61	<0.1	**77**	59	9	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
HA13	0 - 0.1	1/10/2008	5	<0.5	41	32	<0.1	**68**	82	16	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
HA14	0 - 0.1	1/10/2008	<4	<0.5	8	5	<0.1	6	20	7	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
MW1	0 - 0.1	13/10/2008	**52**	0.6	120	64	<0.1	**170**	61	7	<25	<50	1300	1000	**2300**	<0.5	<1	<0.5	<3
MW1	0.5	13/10/2008	8	<0.5	27	28	<0.1	26	32	16	<25	<50	<100	110	110	<0.5	<1	<0.5	<3
MW2	0 - 0.1	13/10/2008	<4	0.8	120	33	<0.1	**100**	77	8	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
MW2	0.5	13/10/2008	4	0.6	94	41	<0.1	**140**	62	11	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
MW3	0 - 0.1	13/10/2008	18	1.6	110	**240**	<0.1	85	**1200**	110	<25	<50	860	570	**1430**	<0.5	<1	<0.5	<3
MW3	0.5	13/10/2008	19	0.6	23	27	<0.1	11	**240**	61	<25	92	420	120	632	<0.5	<1	<0.5	<3
MW4	0 - 0.1	14/10/2008	<4	<0.5	21	42	<0.1	29	38	14	<25	<50	210	680	890	<0.5	<1	<0.5	<3
MW4	0.5	14/10/2008	15	<0.5	18	32	<0.1	7	37	25	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
Adjacent Piggery																			
HA15	0 - 0.1	16/10/2008	7	0.8	32	10	<0.1	9	38	31	-	-	-	-	-	-	-	-	-
HA16	0 - 0.1	16/10/2008	<4	<0.5	15	16	<0.1	12	52	23	-	-	-	-	-	-	-	-	-
HA17	0 - 0.1	16/10/2008	<4	<0.5	14	26	<0.1	11	130	19	-	-	-	-	-	-	-	-	-
HA18	0 - 0.1	16/10/2008	<4	<0.5	14	16	<0.1	8	83	19	-	-	-	-	-	-	-	-	-
Piggery																			
HA6	0 - 0.1	1/10/2008	4	<0.5	17	26	<0.1	15	180	19	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
HA7	0 - 0.1	1/10/2008	4	<0.5	19	14	<0.1	10	56	12	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
HA8	0 - 0.1	1/10/2008	5	1.3	20	53	<0.1	26	**420**	26	<25	<50	180	430	610	<0.5	<1	<0.5	<3
HA9	0 - 0.1	1/10/2008	5	<0.5	11	18	<0.1	6	73	17	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
HA10	0 - 0.1	1/10/2008	4	<0.5	18	**140**	<0.1	14	**1100**	17	<25	<50	120	230	350	<0.5	<1	<0.5	<3
Adjacent Steggles and Depot																			
TP24	0 - 0.1	9/10/2008	12	0.6	21	14	<0.1	9	130	30	-	<50	<100	<100	ND	-	-	-	-
TP25	0 - 0.1	9/10/2008	11	0.7	20	19	<0.1	11	170	32	-	<50	<100	<100	ND	-	-	-	-
TP26	0 - 0.1	9/10/2008	16	0.7	20	18	<0.1	13	82	36	-	<50	<100	<100	ND	-	-	-	-
TP27	0 - 0.1	9/10/2008	11	<0.5	15	15	<0.1	6	25	15	-	<50	<100	<100	ND	-	-	-	-
TP28	0 - 0.1	10/10/2008	**20**	<0.5	19	23	<0.1	8	45	29	-	<50	<100	<100	ND	-	-	-	-
TP29	0 - 0.1	10/10/2008	5	<0.5	19	24	<0.1	12	40	30	-	<50	<100	<100	ND	-	-	-	-
TP30	0 - 0.1	10/10/2008	7	<0.5	21	21	<0.1	10	160	24	-	<50	<100	<100	ND	-	-	-	-
TP31	0 - 0.1	10/10/2008	8	<0.5	25	13	<0.1	6	30	26	-	<50	<100	<100	ND	-	-	-	-
Machining Business																			
MW5	0 - 0.1	15/10/2008	<4	<0.5	14	18	<0.1	12	62	48	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
MW5	0.5	15/10/2008	<4	<0.5	14	17	<0.1	11	49	34	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
MW6	0 - 0.1	15/10/2008	<4	<0.5	13	16	<0.1	12	51	37	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
MW6	0.5	15/10/2008	4	<0.5	16	28	<0.1	18	66	19	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
Bells Creek Nursery																			
TP32	0 - 0.1	10/10/2008	<4	<0.5	16	15	<0.1	42	37	15	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP33	0 - 0.1	10/10/2008	11	0.5	24	23	<0.1	14	64	49	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP34	0 - 0.1	10/10/2008	12	0.6	25	30	<0.1	11	53	31	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
TP35	0 - 0.1	10/10/2008	12	0.7	37	24	<0.1	43	72	29	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
Heartbreak Ridge Paintball																			
HA1	0 - 0.1	30/09/2008	6	<0.5	14	20	<0.1	11	46	18	<25	62	240	160	462	<0.5	<1	<0.5	<3
HA2	0 - 0.1	30/09/2008	11	<0.5	22	15	<0.1	3	16	22	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
HA3	0 - 0.1	30/09/2008	7	<0.5	23	27	<0.1	12	73	68	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
HA4	0 - 0.1	30/09/2008	6	<0.5	11	17	<0.1	3	27	17	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
HA5	0 - 0.1	30/09/2008	6	<0.5	14	18	<0.1	11	31	89	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
Quality Control																			
QC1		1/10/2008	5	<0.5	14	12	<0.1	10	43	14	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3
QC2		1/10/2008	2	0.1	20	54	0.08	**82**	110	7	<10	<50	<100	<100	ND	<0.2	<0.5	<0.5	<1.5
QC3		7/10/2008	8	<0.5	19	30	0.1	10	**260**	29	<25	<50	<100	<100	ND	-	-	-	-
QC5		8/10/2008	7	<0.5	29	31	<0.1	15	**430**	57	<25	<50	<100	<100	ND	-	-	-	-
QC6		8/10/2008	3	<0.1	41	29	0.09	**66**	67	8	<10	<50	<100	<100	ND	<0.2	<0.5	<0.5	<1.5
QC7		10/10/2008	4	<0.1	32	28	0.12	21	35	13	<10	<50	<100	<100	ND	<0.2	<0.5	<0.5	<1.5
QC8		10/10/2008	17	0.6	23	19	<0.1	14	77	36	-	<50	<100	<100	ND	-	-	-	-
QC9		10/10/2008	5	0.6	23	20	<0.1	11	35	28	-	<50	<100	<100	ND	-	-	-	-
QC10		16/10/2008	<4	<0.5	15	17	<0.1	12	64	38	<25	<50	<100	<100	ND	<0.5	<1	<0.5	<3

		PAH															
		Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(b)&(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL		0.1	0.1	0.1	0.1	0.05	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-
HIL (A) (NSW DECC 2006)		-	-	-	-	**1**	-	-	-	-	-	-	-	-	-	-	**20**
HIL (E) (NSW DECC 2006)		-	-	-	-	**2**	-	-	-	-	-	-	-	-	-	-	**40**
HIL (F) (NSW DECC 2006)		-	-	-	-	**5**	-	-	-	-	-	-	-	-	-	-	**100**
PBILS (NSW DECC 2006)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Threshold Concentrations (NSW EPA 1994)		-	-	-	-	**1**	-	-	-	-	-	-	-	-	-	-	**20**
Field_ID	**Sample_Depth**																
Landfill Site																	
BH1	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
BH1	0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
BH2	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
BH2	0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
BH3	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
BH3	0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP15	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP16	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.2
TP17	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.2
TP18	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.2
TP19	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP20	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP21	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP22	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP23	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.1
Paddock																	
TP1	0 - 0.2	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP2	0 - 0.2	<0.1	<0.1	<0.1	0.2	0.2	0.4	0.1	0.2	<0.1	0.2	<0.1	0.1	<0.1	0.1	0.2	1.7
TP3	1.7-1.9	<0.1	<0.1	<0.1	0.3	0.3	0.5	0.2	0.3	<0.1	0.4	<0.1	0.2	<0.1	0.2	0.6	3
TP4	1.7	<0.1	<0.1	<0.1	0.3	0.3	0.6	0.2	0.2	<0.1	0.3	<0.1	0.2	<0.1	0.1	0.3	2.5
TP5	2.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP7	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP8	1.2	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
TP9	0 - 0.1	<0.1	<0.1	<0.1	0.5	0.4	0.7	0.2	0.5	<0.1	0.6	<0.1	0.2	<0.1	0.3	0.7	4.1
TP10	0 - 0.1	<0.1	<0.1	<0.1	0.3	0.3	0.6	0.2	0.4	<0.1	0.4	<0.1	0.2	<0.1	0.2	0.6	3.2
TP12	2	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP13	1.9	<0.1	<0.1	<0.1	0.3	0.2	0.4	0.1	0.3	<0.1	0.4	<0.1	0.1	<0.1	<0.1	0.3	2.1
Steggles Chicken Factory																	
HA11	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
HA12	0 - 0.1	<0.1	<0.1	<0.1	<0.1	0.08	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.08
HA13	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
HA14	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
MW1	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
MW1	0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
MW2	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	0.3
MW2	0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
MW3	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
MW3	0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.2	0.1	<0.1	0.4
MW4	0 - 0.1	<0.1	0.2	0.1	0.6	**1**	1.4	0.7	0.7	<0.1	1.3	<0.1	0.7	<0.1	0.5	1.5	8.7
MW4	0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
Adjacent Piggery																	
HA15	0 - 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HA16	0 - 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HA17	0 - 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HA18	0 - 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Piggery																	
HA6	0 - 0.1	<0.1	<0.1	<0.1	<0.1	0.09	<0.2	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.29
HA7	0 - 0.1	<0.1	0.2	<0.1	0.3	0.4	0.5	0.3	0.4	<0.1	0.2	<0.1	0.3	<0.1	<0.1	0.4	2.7
HA8	0 - 0.1	<0.1	<0.1	<0.1	0.1	0.1	0.2	0.1	0.2	<0.1	0.1	<0.1	0.1	<0.1	0.1	0.2	1.2
HA9	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
HA10	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
Adjacent Steggles and Depot																	
TP24	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP25	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP26	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP27	0 - 0.1	<0.1	<0.1	<0.1	0.3	0.2	0.4	0.1	0.3	<0.1	0.5	<0.1	0.1	<0.1	0.3	0.4	2.6
TP28	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP29	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP30	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
TP31	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
Machining Business																	
MW5	0 - 0.1	<0.1	<0.1	<0.1	0.1	0.1	0.2	0.1	0.1	<0.1	0.3	<0.1	0.1	<0.1	0.1	0.3	1.4
MW5	0.5	<0.1	<0.1	<0.1	0.1	0.2	0.3	0.1	0.1	<0.1	0.3	<0.1	0.1	<0.1	0.2	0.3	1.7
MW6	0 - 0.1	<0.1	<0.1	<0.1	0.2	0.2	0.3	0.1	0.2	<0.1	0.5	<0.1	0.2	<0.1	0.2	0.5	2.4
MW6	0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
Bells Creek Nursery																	
TP32	0 - 0.1	<0.1	<0.1	<0.1	0.2	0.2	0.3	0.1	0.2	<0.1	0.4	<0.1	0.1	<0.1	0.2	0.4	2.1
TP33	0 - 0.1	<0.1	<0.1	<0.1	0.1	0.2	0.3	0.2	0.2	<0.1	0.4	<0.1	0.2	<0.1	0.2	0.5	2.3
TP34	0 - 0.1	<0.1	<0.1	<0.1	<0.1	0.08	<0.2	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	0.2	0.48
TP35	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
Heartbreak Ridge Paintball																	
HA1	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
HA2	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
HA3	0 - 0.1	<0.1	<0.1	<0.1	0.1	0.1	<0.2	<0.1	0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	0.2	0.7
HA4	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
HA5	0 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
Quality Control																	
QC1		<0.1	0.2	<0.1	0.3	0.4	0.6	0.4	0.5	<0.1	0.3	<0.1	0.3	<0.1	<0.1	0.5	3.5
QC2		<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
QC3		<0.1	<0.1	<0.1	0.1	0.1	0.3	<0.1	0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.8
QC5		<0.1	<0.1	<0.1	0.1	0.1	0.3	<0.1	0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	0.1	0.8
QC6		<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
QC7		<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
QC8		<0.1	<0.1	<0.1	<0.1	0.06	<0.2	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.16
QC9		<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
QC10		<0.1	<0.1	<0.1	0.2	0.2	0.4	0.2	0.2	<0.1	0.5	<0.1	0.2	<0.1	0.3	0.5	2.7

		Organochlorine Pesticides										Organophosphorus Pesticides							Inorganics	Biological	Asbestos		VOCs
		4,4-DDE	Aldrin + Dieldrin	Chlordane (cis)	Chlordane (trans)	DDD	DDT	DDT+DDE+DDD	Endrin	Heptachlor	Total OCPs	Chlorpyrifos	Diazinon	Dimethoate	Ethion	Fenitrothion	Ronnel	Total OPPs	Ammonia	Total Coliforms	Asbestos ID	Asbestos fibres	Total VOCs
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	CFU/100g	g/kg	-	mg/kg
PQL		0.05		0.05	0.05	0.05	0.1		0.05	0.05		0.1	0.1	0.1	0.1	0.1	0.1	-	0.1	200	0.1	-	-
HIL (A) (NSW DECC 2006)		-	**10**	**50**	-	-	-	**200**	-	**10**	-	-	-	-	-	-	-	-	-	-	-	-	-
HIL (E) (NSW DECC 2006)		-	**20**	**100**	-	-	-	**400**	-	**20**	-	-	-	-	-	-	-	-	-	-	-	-	-
HIL (F) (NSW DECC 2006)		-	**50**	**250**	-	-	-	**1000**	-	**50**	-	-	-	-	-	-	-	-	-	-	-	-	-
PBILS (NSW DECC 2006)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Threshold Concentrations (NSW EPA 1994)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field_ID	**Sample_Depth**																						
Landfill Site																							
BH1	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
BH1	0.5	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	-	-	-
BH2	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
BH2	0.5	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	-	-	-
BH3	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
BH3	0.5	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	-	-	-
TP15	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
TP16	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
TP17	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
TP18	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
TP19	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
TP20	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
TP21	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
TP22	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
TP23	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
Paddock																							
TP1	0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-
TP2	0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500	-	-	-
TP3	1.7-1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<200	-	-	-
TP4	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<200	-	-	-
TP5	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<200	-	-	-
TP7	0 - 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<200	-	-	-
TP8	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<200	-	-	-
TP9	0 - 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-
TP10	0 - 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<200	-	-	-
TP12	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<200	-	-	-
TP13	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500	-	-	-
Steggles Chicken Factory																							
HA11	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	4.5	2300	<0.1	ND	-
HA12	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	2.3	1300	<0.1	ND	-
HA13	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	30	1700	-	-	-
HA14	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	2.2	800	<0.1	ND	-
MW1	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	92	<200	<0.1	ND	-
MW1	0.5	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	82	<200	-	-	-
MW2	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	62	<200	<0.1	ND	-
MW2	0.5	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	90	200	-	-	-
MW3	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	3.6	200	<0.1	ND	-
MW3	0.5	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	34	200	-	-	-
MW4	0 - 0.1	<1	<2	<1	<1	<1	<1	<3	<1	<1	ND	<1	<1	<1	<1	<1	<1	ND	1.2	200	<0.1	ND	-
MW4	0.5	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	4.7	<200	-	-	-
Adjacent Piggery																							
HA15	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	7.9	1700	-	-	-
HA16	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	6.8	35000	-	-	-
HA17	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	13	900	-	-	-
HA18	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	13	1700	-	-	-
Piggery																							
HA6	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	18	<200	<0.1	ND	-
HA7	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	1.8	1300	<0.1	ND	-
HA8	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	11	1600000	<0.1	ND	-
HA9	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	12	<200	<0.1	ND	-
HA10	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	13	3400	<0.1	ND	-
Adjacent Steggles and Depot																							
TP24	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	2.1	<200	<0.1	ND	-
TP25	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	4.1	<200	<0.1	ND	-
TP26	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	3.6	4600	<0.1	ND	-
TP27	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	0.7	<200	<0.1	ND	-
TP28	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	4.4	1100	<0.1	ND	-
TP29	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	2.8	7000	<0.1	ND	-
TP30	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	3.8	<200	<0.1	ND	-
TP31	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	5.6	<200	<0.1	ND	-
Machining Business																							
MW5	0 - 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
MW5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
MW6	0 - 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
MW6	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
Bells Creek Nursery																							
TP32	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	2600	<0.1	ND	-
TP33	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	<200	<0.1	ND	-
TP34	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	4900	<0.1	ND	-
TP35	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	<200	<0.1	ND	-
Heartbreak Ridge Paintball																							
HA1	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
HA2	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
HA3	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
HA4	0 - 0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
HA5	0 - 0.1	0.1	<0.2	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	-	-	<0.1	ND	-
Quality Control																							
QC1		<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	1.8	<200	-	-	-
QC2		<0.05	<0.1	<0.05	<0.05	<0.05	<0.2	<0.3	<0.05	<0.05	ND	<0.5	<0.5	<0.5	-	<0.5	<0.5	ND	0.1	-	-	-	-
QC3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500	-	-	-
QC5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<200	-	-	-
QC6		<0.05	<0.1	<0.05	<0.05	<0.05	<0.2	<0.3	<0.05	<0.05	ND	<0.5	<0.5	<0.5	-	<0.5	<0.5	ND	-	-	ND	ND	-
QC7		<0.05	<0.1	<0.05	<0.05	<0.05	<0.2	<0.3	<0.05	<0.05	ND	<0.5	<0.5	<0.5	-	<0.5	<0.5	ND	-	-	ND	ND	-
QC8		<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	3.3	<200	<0.1	ND	-
QC9		<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	ND	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	6.1	200	<0.1	ND	-
QC10		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND

Bold Concentration reported above HIL (A) (NSW DECC 2006)
Bold Concentration reported above HIL (E) (NSW DECC 2006)
Bold Concentration reported above HIL (F) (NSW DECC 2006)
Bold Concentration reported above Threshold Concentrations in Guidelines for Assessing Service Station Sites (NSW EPA 1994)
Bold Concentration reported above PBIL (NSW DECC 2006

Table B - Surface Water Analytical Summary Results
Marsden Park Industrial Precinct

		Metals							Lead	TPH					BTEX				PAHs			Inorganics													Biological	Organochlorine Pesticides					Organophosphorus Pesticides					
		Arsenic	Cadmium	Chromium (III+VI)	Copper	Mercury	Nickel	Zinc	Lead	TPH C 6 - C 9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH+C10 - C36 (Sum of total)	Benzene	Ethylbenzene	Toluene	Xylene Total	Benzo(a) pyrene	Naphthalene	PAH Total (NSW, 1999)	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulphate	Alkalinity (total)	Ammonia	BOD	COD	Ionic Balance	Bicarbonate as CaCO3	Carbonate as CaCO3	Coliform	Aldrin + Dieldrin	Chlordane	DDT	Endrin	Heptachlor	Chlorpyrifos	Diazinon	Dimethoate	Ethion	Fenitrothion	Ronnel
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	cfu/100 ml	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Laboratory PQL		1	0.1	1	1	0.5	1	1	1	10	50	100	50		1	1	1		1	1		0.03	1	0.03	0.03	0.03	2	0.1	0.01	2	5		0.1	0.1			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ANZECC (2000) Ecosystems Fresh Water (95%)		**24** [3]	**0.2**	**1** [4]	**1.4**	**0.6**	**11**	**8**	**3.4**	-	-	-	-	**325** [6]	**950**	**80** [1]	**180** [1]	**625** [1]	**0.2**	**16**	-	-	-	-	-	-	-	-	**0.9**	-	-	-	-	-	**1000** [2]	-	**0.08**	**0.01**	**0.02**	**0.09**	**0.01**	**0.01**	**0.15**	-	**0.2**	-
Australian Drinking Water Guidelines (2004)		**7**	**2**	**50**	**2000**	**1**	**20**	**3000**	**10**	-	-	-	-	-	**1**	**300**	**800**	**600**	**0.01**	-	-	-	-	-	-	-	**500**	-	**0.5** [5]	-	-	-	-	-	**0.3**	**0.01**	**0.06**	-	**0.05**	**10**	**3**	**50**	**3**	**10**	**30**
Field_ID	**Sampled_Date**																																												
Piggery																																													
SW1	1/10/2008	**16**	<0.1	**36**	**62**	<0.5	**22**	**100**	**43**	29	<50	140	<100	140	<1	<1	29	<3	**<1**	<1	ND	3.2	130	8.3	15	100	55	24	**0.7**	26	180	3	24	<5	**15000**	**<0.4**	<0.2	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2
SW2	1/10/2008	2.3	**0.2**	**2**	**7.1**	<0.5	2.6	**8.5**	2.3	<10	<50	<100	<100	<250	<1	<1	<1	<3	**<1**	<1	ND	8.6	110	17	29	69	<5	130	0.2	<4	120	-1.1	130	<5	200	**<0.4**	<0.2	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2
SW3	1/10/2008	**11**	<0.1	**1.5**	**11**	<0.5	5.4	**34**	**4.3**	<10	<50	130	<100	130	<1	<1	<1	<3	**<1**	<1	ND	27	90	15	45	43	<5	180	**2.8**	51	320	-4.5	180	<5	230	**<0.4**	<0.2	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2
Steggles																																													
SW4	1/10/2008	1.9	<0.1	**3.2**	**18**	<0.5	3.2	**82**	**3.5**	19	<50	110	<100	110	<1	<1	23	<3	**<1**	<1	ND	13	140	8.3	55	120	23	150	**1.9**	43	400	3.5	150	<5	**3900000**	**<0.4**	<0.2	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2
SW5	1/10/2008	**8.3**	<0.1	**2.4**	**8.8**	<0.5	2.9	**16**	3.2	<10	<50	<100	<100	<250	<1	<1	<1	<3	**<1**	<1	ND	11	95	8.7	35	76	12	130	<0.1	<4	80	-0.52	98	36	30	**<0.4**	<0.2	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2
Quality Control																																													
QA1	1/10/2008	**18**	0.1	**47**	**71**	<0.5	**27**	**120**	**46**	27	<50	140	<100	140	<1	<1	32	<3	**<1**	<1	ND	3.1	140	8	15	100	50	24	**0.6**	25	160	0.75	24	<5	**16000**	**<0.4**	<0.2	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2
QA2	1/10/2008	**8**	**<0.5**	<5	**6**	<0.1	<0.5	**13**	**<0.5**	<50	<50	<200	<50	<300	<1	<1	<1	<3	**<1**	<1	ND	10.7	89	9.3	35.3	82.9	14	-	0.05	3	76	-	-	-	-	**<1**	<0.5	**<2**	**<0.5**	**<0.5**	**<2**	**<2**	**<2**	-	**<2**	<2

Notes

(1) ANZECC Low Reliability Guidelines
(2) ANZECC trigger value for faecal coliforms in water used for pasture and fodder for dairy animals and grazing animals
(3) Guidelines refer to Arsenic (III) only
(4) Guidelines refer to Chromium (VI) only
(5) Aesthetic drinking water guidelines
(6) There is no criterion for TPH C10 – C36 that has been endorsed by the NSW DECC. A screening level has therefore been derived based on average of target value (50 mg/L) and intervention value (600 mg/L) for mineral oil in groundwater, from “Environmental Quality Objectives in the Netherlands”, MHSPE 1994 (to be applied to TPH C10 – C36 detected above the PQL). This is comparable to levels of TPH that have been found to cause taste issues in drinking water.

Bold	Concentration reported above the ANZECC (2000) trigger value
Bold	Concentration reported above the Australian Drinking Water Value
Bold	Laboratory PQL above the ANZECC (2000) trigger value
Bold	Laboratory PQL above the Australian Drinking Water Value

Table C - Groundwater Analytical Summary Results
Marsden Park Industrial Precinct

		Metals							Lead	TPH					BTEX				PAH			Inorganics																Biological	Organochlorine Pesticides							Organophosphorus Pesticides								VOC
		Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Lead (Filtered)	TPH C 6 - C 9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH+C10 - C36 (Sum of total)	Benzene	Ethylbenzene	Toluene	Xylene Total	Benzo(a) pyrene	Naphthalene	Total PAH	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulphate	Alkalinity (total)	Ammonia	BOD	COD	Ionic Balance	Bicarbonate as CaCO3	Carbonate as CaCO3	Coliform	Aldrin + Dieldrin	Chlordane (cis)	DDT+DDE+DDD	Endrin	Heptachlor	Total OCPs	Chlorpyrifos	Diazinon	Dimethoate	Ethion	Fenitrothion	Ronnel	Total OPPs	Total VOCs
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	cfu/100 ml	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L
Laboratory PQL		1	0.1	1	1	0.5	1	1	1	10	50	100	100	-	1	1	1		1	1		0.03	20	0.03	0.03	0.03	5	0.1	0.1	2	50		0.1	0.1		-	0.2	-	0.2	0.2	-	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-	-
ANZECC (2000) Ecosystems Fresh Water (95%)		**24** (3)	**0.2**	**1** (4)	**1.4**	**0.6**	**11**	**8**	**3.4**	**-**	**-**	**-**	**-**	**325** (6)	**950**	**80** (1)	**180** (1)	**625** (1)	**0.2**	**16**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.9**	**-**	**-**	**-**	**-**	**-**	**1000** (2)	**-**	**0.08**		**0.02**	**0.09**	**-**	**0.01**	**0.01**	**0.15**	**-**	**0.2**	**-**	**-**	**-**
Australian Drinking Water Guidelines (2004)		**7**	**2**	**50**	**2000**	**1**	**20**	**3000**	**10**	**-**	**-**	**-**	**-**	**-**	**1**	**300**	**800**	**600**	**0.01**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**0.5 (5)**	**-**	**-**	**-**	**-**	**-**	**-**	**0.3**	**0.01**		**-**	**0.05**	**-**	**10**	**3**	**50**	**3**	**10**	**30**	**-**	**-**
Field_ID	**Sampled_Date**																																																
Steggles																																																	
MW1	30/10/2008	2	**0.3**	<1	**3**	<0.5	9.8	**16**	<1	<10	<50	<100	<100	<250	<1	<1	4.1	<3	**<1**	<1	ND	300	12000	1200	61	6000	**1900**	700	**0.5**	<4	2400	-1.9	700	<0.1	140	**<0.4**	<0.2	<0.6	**<0.2**	**<0.2**	ND	**<0.2**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2	ND	-
MW2	30/10/2008	1.2	**0.5**	1.4	**1.9**	<0.5	**37**	**25**	<1	<10	<50	<100	<100	<250	<1	<1	1	<3	**<1**	<1	ND	91	4600	370	38	3200	**1700**	480	**0.7**	<4	600	0.18	480	<0.1	**32000**	**<0.4**	<0.2	<0.6	**<0.2**	**<0.2**	ND	**<0.2**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2	ND	-
MW3	30/10/2008	1.4	**0.2**	1.4	**2.2**	<0.5	**240**	**230**	<1	<10	<50	<100	<100	<250	<1	<1	<1	<3	**<1**	<1	ND	210	5300	400	32	3200	**1500**	450	**0.7**	<4	1000	-1.6	450	<0.1	120	**<0.4**	<0.2	<0.6	**<0.2**	**<0.2**	ND	**<0.2**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2	ND	-
MW4	30/10/2008	<1	**0.8**	1	**6.6**	<0.5	**130**	**180**	<1	<10	<50	<100	<100	<250	<1	<1	<1	<3	**<1**	<1	ND	210	10000	960	28	5500	**1300**	360	**0.7**	<4	1800	2.1	360	<0.1	80	**<0.4**	<0.2	<0.6	**<0.2**	**<0.2**	ND	**<0.2**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2	ND	-
Machining Shop																																																	
MW5	29/10/2008	1.4	<0.1	1.8	**2.9**	<0.5	1.3	**11**	<1	<10	<50	<100	<100	<250	<1	<1	<1	<3	**<1**	<1	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
MW6	29/10/2008	1.6	**0.4**	1.5	**5**	<0.5	7.8	**8.7**	<1	<10	<50	<100	<100	<250	<1	<1	<1	<3	**<1**	<1	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
Sanitary Depot																																																	
MW7	29/10/2008	1.1	**0.2**	2.6	**4.1**	<0.5	2.9	**12**	<1	<10	<50	<100	<100	<250	<1	<1	<1	<3	**<1**	<1	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
Quality Control																																																	
QA3	29/10/2008	1.4	0.1	1.9	**3.4**	<0.5	1.2	**11**	<1	<10	<50	<100	<100	<250	<1	<1	<1	<3	**<1**	<1	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND

Notes

(1) ANZECC Low Reliability Guidelines
(2) ANZECC trigger value for faecal coliforms in water used for pasture and fodder for dairy animals and grazing animals
(3) Guidelines refer to Arsenic (III) only
(4) Guidelines refer to Chromium (VI) only
(5) Aesthetic drinking water guidelines
(6) There is no criterion for TPH C10 – C36 that has been endorsed by the NSW DECC. A screening level has therefore been derived based on average of target value (50 mg/L) and intervention value (600 mg/L) for mineral oil in groundwater, from "Environmental Quality Objectives in the Netherlands", MHSPE 1994 (to be applied to TPH C10 – C36 detected above the PQL). This is comparable to levels of TPH that have been found to cause taste issues in drinking water.

Bold	Concentration reported above the ANZECC (2000) trigger value
Bold	Concentration reported above the Australian Drinking Water Value
Bold	Laboratory PQL above the ANZECC (2000) trigger value
Bold	Laboratory PQL above the Australian Drinking Water Value

Table D - Soil Relative Percentage Differences
Marsden Park Industrial Precinct

			SDG	23167	23167		23311	23311		23311	23311		23381	23381		23381	23381		23518	23518		23167	Interlab_D		23311	Interlab_D		23381	Interlab_D	
			Field_ID	HA7	QC1	**RPD**	TP2	QC3	**RPD**	TP10	QC5	**RPD**	TP26	QC8	**RPD**	TP29	QC9	**RPD**	MW5	QC10	**RPD**	**HA12**	**QC2**	**RPD**	TP16	QC6	**RPD**	TP21	QC7	**RPD**
			Sampled_Date	1/10/2008	1/10/2008		7/10/2008	7/10/2008		8/10/2008	8/10/2008		9/10/2008	9/10/2008		10/10/2008	10/10/2008		15/10/2008	15/10/2008		10/1/2008	1/10/2008		8/10/2008	8/10/2008		9/10/2008	9/10/2008	
Chem_Group	**ChemName**	**Units**	**EQL**																										
BTEX	Benzene	mg/kg	0.5	<0.5	<0.5	N/C													<0.5	<0.5	N/C	<0.5	<0.2	N/C	<0.5	<0.2	N/C	<0.5	<0.2	N/C
	Ethylbenzene	mg/kg	1	<1.0	<1.0	N/C													<1.0	<1.0	N/C	<1.0	<0.5	N/C	<1.0	<0.5	N/C	<1.0	<0.5	N/C
	Toluene	mg/kg	0.5	<0.5	<0.5	N/C													<0.5	<0.5	N/C	<0.5	<0.5	N/C	<0.5	<0.5	N/C	<0.5	<0.5	N/C
	Xylene (m & p)	mg/kg	2	<2.0	<2.0	N/C													<2.0	<2.0	N/C	<2.0	<1.0	N/C	<2.0	<1.0	N/C	<2.0	<1.0	N/C
	Xylene (o)	mg/kg	1	<1.0	<1.0	N/C													<1.0	<1.0	N/C	<1.0	<0.5	N/C	<1.0	<0.5	N/C	<1.0	<0.5	N/C
Inorganics	Ammonia	mg/kg	0.5	1.8	1.8	0							3.6	3.3	9	**2.8**	**6.1**	**74**												
	Moisture	%	0.1	6.8	6.8	0	15.0	17.0	13	15.0	15.0	0	9.0	9.3	3	15.0	14.0	7	12.0	14.0	15	2	0.1	183	9.7	9.0	7	7.8	7.0	11
Lead	Lead	mg/kg	1	12.0	14.0	15	29.0	29.0	0	61.0	57.0	7	36.0	36.0	0	30.0	28.0	7	48.0	38.0	23	9	7	25	**15.0**	**8.0**	**61**	**18.0**	**13.0**	**32**
Metals	Arsenic	mg/kg	4	4.0	5.0	22	9.0	8.0	12	8.0	7.0	13	16.0	17.0	6	5.0	5.0	0	<4.0	<4.0	N/C	***<4***	***2***	***67***	4.0	3.0	29	5.0	4.0	22
	Cadmium	mg/kg	0.5	<0.5	<0.5	N/C	<0.5	<0.5	N/C	<0.5	<0.5	N/C	0.7	0.6	15	***<0.5***	***0.6***	***18***	<0.5	<0.5	N/C	***<0.5***	***0.1***	***133***	<0.5	<0.1	N/C	<0.5	<0.1	N/C
	Chromium (III+VI)	mg/kg	1	**19.0**	**14.0**	**30**	22.0	19.0	15	23.0	29.0	23	20.0	23.0	14	19.0	23.0	19	14.0	15.0	7	20	20	0	42.0	41.0	2	**23.0**	**32.0**	**33**
	Copper	mg/kg	1	14.0	12.0	15	25.0	30.0	18	32.0	31.0	3	18.0	19.0	5	24.0	20.0	18	18.0	17.0	6	61	54	12	**42.0**	**29.0**	**37**	33.0	28.0	16
	Mercury	mg/kg	0.1	<0.1	<0.1	N/C	***<0.1***	***0.1***	***0***	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	0.08	22	***<0.1***	***0.09***	***11***	***<0.1***	***0.12***	***18***
	Nickel	mg/kg	1	10.0	10.0	0	8.0	10.0	22	**9.0**	**15.0**	**50**	13.0	14.0	7	12.0	11.0	9	12.0	12.0	0	77	82	6	68.0	66.0	3	22.0	21.0	5
	Zinc	mg/kg	1	56.0	43.0	26	230.0	260.0	12	420.0	430.0	2	82.0	77.0	6	40.0	35.0	13	62.0	64.0	3	**59**	**110**	**60**	69.0	67.0	3	38.0	35.0	8
Organochlorine	4,4-DDE	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
Pesticides	a-BHC	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Aldrin	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	b-BHC	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Chlordane (cis)	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Chlordane (trans)	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	d-BHC	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	DDD	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	DDT	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.2	N/C	<0.1	<0.2	N/C	<0.1	<0.2	N/C
	Dieldrin	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Endosulfan I	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Endosulfan II	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Endrin	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C												
	g-BHC (Lindane)	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Heptachlor	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Hexachlorobenzene	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.05	N/C	<0.1	<0.05	N/C	<0.1	<0.05	N/C
	Methoxychlor	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.2	N/C	<0.1	<0.2	N/C	<0.1	<0.2	N/C
Organophosphorus	Bromophos-ethyl	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C												
Pesticides	Chlorpyrifos	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Chlorpyrifos-methyl	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C												
	Diazinon	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Dimethoate	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Ethion	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C												
	Fenitrothion	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Ronnel	mg/kg	0.1	<0.1	<0.1	N/C							<0.1	<0.1	N/C	<0.1	<0.1	N/C				<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
PAH/Phenols	Acenaphthene	mg/kg	0.1	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	0	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Acenaphthylene	mg/kg	0.1	0.2	0.2	0	<0.1	<0.1	N/C	<0.1	<0.1	0	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Anthracene	mg/kg	0.1	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	0	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Benz(a)anthracene	mg/kg	0.1	0.3	0.3	0	**0.2**	**0.1**	**67**	**0.3**	**0.1**	**100**	<0.1	<0.1	N/C	<0.1	<0.1	N/C	**0.1**	**0.2**	**67**	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Benzo(a) pyrene	mg/kg	0.05	0.4	0.4	0	**0.2**	**0.1**	**67**	**0.3**	**0.1**	**100**	***<0.05***	***0.06***	***18***	<0.05	<0.05	N/C	**0.1**	**0.2**	**67**	0.08	<0.5	N/C	<0.05	<0.5	N/C	<0.05	<0.5	N/C
	Benzo(b)&(k)fluoranthene	mg/kg	0.2	0.5	0.6	18	0.4	0.3	29	**0.6**	**0.3**	**67**	<0.2	<0.2	N/C	<0.2	<0.2	N/C	**0.2**	**0.4**	**67**	<0.2	<1.0	N/C	<0.2	<1.0	N/C	<0.2	<1.0	N/C
	Benzo(g,h,i)perylene	mg/kg	0.1	0.3	0.4	29	***0.1***	***<0.1***	***0***	***0.2***	***<0.1***	**67**	<0.1	<0.1	N/C	<0.1	<0.1	N/C	**0.1**	**0.2**	**67**	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Chrysene	mg/kg	0.1	0.4	0.5	22	**0.2**	**0.1**	**67**	**0.4**	**0.1**	**120**	<0.1	<0.1	N/C	<0.1	<0.1	N/C	**0.1**	**0.2**	**67**	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Dibenz(a,h)anthracene	mg/kg	0.1	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Fluoranthene	mg/kg	0.1	0.2	0.3	40	**0.2**	**0.1**	**67**	***0.4***	***<0.1***	***120***	***<0.1***	***0.1***	***0***	<0.1	<0.1	N/C	0.3	0.5	50	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Fluorene	mg/kg	0.1	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	0.3	0.3	0	***0.1***	***<0.1***	***0***	**0.2**	**0.1**	**67**	<0.1	<0.1	N/C	<0.1	<0.1	N/C	**0.1**	**0.2**	**67**	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Naphthalene	mg/kg	0.1	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.1	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
	Phenanthrene	mg/kg	0.1	<0.1	<0.1	N/C	***0.1***	***<0.1***	***0***	***0.2***	***<0.1***	**67**	<0.1	<0.1	N/C	<0.1	<0.1	N/C	**0.1**	**0.3**	**100**	<0.1	<0.5	N/C	***0.2***	***<0.5***	***86***	<0.1	<0.5	N/C
	Pyrene	mg/kg	0.1	0.4	0.5	22	**0.2**	**0.1**	**67**	**0.6**	**0.1**	**143**	<0.1	<0.1	N/C	<0.1	<0.1	N/C	0.3	0.5	50	<0.1	<0.5	N/C	<0.1	<0.5	N/C	<0.1	<0.5	N/C
TPH	TPH C 6 - C 9 Fraction	mg/kg	25	<25.0	<25.0	N/C	<25.0	<25.0	N/C	<25.0	<25.0	N/C							<25.0	<25.0	N/C	<25	<10.0	N/C	<25.0	<10.0	N/C	<25.0	<10.0	N/C
	TPH C10 - C14 Fraction	mg/kg	50	<50.0	<50.0	N/C	<50.0	<50.0	N/C	<50.0	<50.0	N/C	<50.0	<50.0	N/C	<50.0	<50.0	N/C	<50.0	<50.0	N/C	<50	<50.0	N/C	<50.0	<50.0	N/C	<50.0	<50.0	N/C
	TPH C15 - C28 Fraction	mg/kg	100	<100.0	<100.0	N/C	<100.0	<100.0	N/C	<100.0	<100.0	N/C	<100.0	<100.0	N/C	<100.0	<100.0	N/C	<100.0	<100.0	N/C	<100	<100.0	N/C	<100.0	<100.0	N/C	<100.0	<100.0	N/C
	TPH C29-C36 Fraction	mg/kg	100	<100.0	<100.0	N/C	<100.0	<100.0	N/C	<100.0	<100.0	N/C	<100.0	<100.0	N/C	<100.0	<100.0	N/C	<100.0	<100.0	N/C	<100	<100.0	N/C	<100.0	<100.0	N/C	<100.0	<100.0	N/C

VOC	1,1,1,2-tetrachloroethane	mg/kg	1																		<1.0	<1.0	N/C									
	1,1,1-trichloroethane	mg/kg	1																		<1.0	<1.0	N/C									
	1,1,2,2-tetrachloroethane	mg/kg	1																		<1.0	<1.0	N/C									
	1,1,2-trichloroethane	mg/kg	1																		<1.0	<1.0	N/C									
	1,1-dichloroethane	mg/kg	1																		<1.0	<1.0	N/C									
	1,1-dichloroethene	mg/kg	1																		<1.0	<1.0	N/C									
	1,1-dichloropropene	mg/kg	1																		<1.0	<1.0	N/C									
	1,2,3-trichlorobenzene	mg/kg	1																		<1.0	<1.0	N/C									
	1,2,3-trichloropropane	mg/kg	1																		<1.0	<1.0	N/C									
	1,2,4-trichlorobenzene	mg/kg	1																		<1.0	<1.0	N/C									
	1,2,4-trimethylbenzene	mg/kg	1																		<1.0	<1.0	N/C									
	1,2-dibromo-3-chloropropane	mg/kg	1																		<1.0	<1.0	N/C									
	1,2-dibromoethane	mg/kg	1																		<1.0	<1.0	N/C									
	1,2-dichlorobenzene	mg/kg	1																		<1.0	<1.0	N/C									
	1,2-dichloroethane	mg/kg	1																		<1.0	<1.0	N/C									
	1,2-dichloropropane	mg/kg	1																		<1.0	<1.0	N/C									
	1,3,5-trimethylbenzene	mg/kg	1																		<1.0	<1.0	N/C									
	1,3-dichlorobenzene	mg/kg	1																		<1.0	<1.0	N/C									
	1,3-dichloropropane	mg/kg	1																		<1.0	<1.0	N/C									
	1,4-dichlorobenzene	mg/kg	1																		<1.0	<1.0	N/C									
	2,2-dichloropropane	mg/kg	1																		<1.0	<1.0	N/C									
	2-chlorotoluene	mg/kg	1																		<1.0	<1.0	N/C									
	4-chlorotoluene	mg/kg	1																		<1.0	<1.0	N/C									
	Bromobenzene	mg/kg	1																		<1.0	<1.0	N/C									
	Bromochloromethane	mg/kg	1																		<1.0	<1.0	N/C									
	Bromodichloromethane	mg/kg	1																		<1.0	<1.0	N/C									
	Bromoform	mg/kg	1																		<1.0	<1.0	N/C									
	Bromomethane	mg/kg	10																		<10.0	<10.0	N/C									
	Carbon tetrachloride	mg/kg	1																		<1.0	<1.0	N/C									
	Chlorobenzene	mg/kg	1																		<1.0	<1.0	N/C									
	Chlorodibromomethane	mg/kg	1																		<1.0	<1.0	N/C									
	Chloroethane	mg/kg	10																		<10.0	<10.0	N/C									
	Chloroform	mg/kg	1																		<1.0	<1.0	N/C									
	Chloromethane	mg/kg	10																		<10.0	<10.0	N/C									
	cis-1,2-dichloroethene	mg/kg	1																		<1.0	<1.0	N/C									
	cis-1,3-dichloropropene	mg/kg	1																		<1.0	<1.0	N/C									
	Dibromomethane	mg/kg	1																		<1.0	<1.0	N/C									
	Dichlorodifluoromethane	mg/kg	10																		<10.0	<10.0	N/C									
	Hexachlorobutadiene	mg/kg	1																		<1.0	<1.0	N/C									
	Isopropylbenzene	mg/kg	1																		<1.0	<1.0	N/C									
	n-butylbenzene	mg/kg	1																		<1.0	<1.0	N/C									
	n-propylbenzene	mg/kg	1																		<1.0	<1.0	N/C									
	p-isopropyltoluene	mg/kg	1																		<1.0	<1.0	N/C									
	sec-butylbenzene	mg/kg	1																		<1.0	<1.0	N/C									
	Styrene	mg/kg	1																		<1.0	<1.0	N/C									
	TCE	mg/kg	1																		<1.0	<1.0	N/C									
	tert-butylbenzene	mg/kg	1																		<1.0	<1.0	N/C									
	Tetrachloroethene	mg/kg	1																		<1.0	<1.0	N/C									
	trans-1,2-dichloroethene	mg/kg	1																		<1.0	<1.0	N/C									
	trans-1,3-dichloropropene	mg/kg	1																		<1.0	<1.0	N/C									
	Trichlorofluoromethane	mg/kg	10																		<10.0	<10.0	N/C									
	Vinyl chloride	mg/kg	10																		<10.0	<10.0	N/C									

Notes

N/C	RPD not calculated where both duplicate pairs reported concentrations <PQL
Italics	One duplicate pair reported a concentration < PQL, the PQL has been used to calculate the RPD
Bold	RPD exceeds nominally acceptable limit of 30% for inorganics or 50% for organics

Table E - Surface Water Relative Percentage Differences
Marsden Park Industrial Precinct

			SDG	23167	23167		23167	Interlab_D		
			Field_ID	SW1	QA1	**RPD**	SWS	QA2	**RPD**	
			Sampled_Date	1/10/2008	1/10/2008		1/10/2008	1/10/2008		
Chem_Group	**ChemName**	**Units**	**EQL**							
	Alkalinity (Hydroxide)	mg/l	0.1	<5.0	<5.0	N/C				
	Bicarbonate as CaCO3	mg/l	0.1	24.0	24.0	0				
	Bromophos-ethyl	µg/L	0.2	<0.2	<0.2	N/C				
	Carbonate as CaCO3	mg/l	0.1	<5.0	<5.0	N/C				
Biological	Coliform	CFU/100 mL		15000.0	16000.0	6				
BTEX	Benzene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C	
	Ethylbenzene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C	
	Toluene	µg/L	1	29.0	32.0	10	<1.0	<1.0	N/C	
	Xylene (m & p)	µg/L	2	<2.0	<2.0	N/C	<2.0	<2.0	N/C	
	Xylene (o)	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C	
Inorganics	Alkalinity (total)	mg/l	0.1	24.0	24.0	0				
	Ammonia	mg/l	0.1	0.7	0.6	15	***<0.1***	***0.05***	***67***	
	BOD	mg/l	2	26.0	25.0	4	***<4.0***	***3.0***	***29***	
	Chloride	mg/l	20	130.0	140.0	7	95.0	89.0	7	
	COD	mg/l		180.0	160.0	12	80.0	76.0	5	
	Ionic Balance	%		**3.0**	**0.75**	**120**				
	Sulphate	mg/l	5	55.0	50.0	10	12.0	14.0	15	
Lead	Lead	mg/l	0.001	0.043	0.046	7	***0.0032***	***<0.005***	***44***	
Metals	Arsenic	mg/l	0.001	0.016	0.018	12	0.0083	0.008	4	
	Cadmium	mg/l	0.0001	***<0.0001***	***0.0001***	***0***	<0.0001	<0.0005	N/C	
	Calcium	mg/l	0.03	3.2	3.1	3	11.0	10.7	3	
	Chromium (III+VI)	mg/l	0.001	0.036	0.047	27	***0.0024***	***<0.005***	***70***	
	Copper	mg/l	0.001	0.062	0.071	14	**0.0088**	**0.006**	**38**	
	Magnesium	mg/l	0.03	8.3	8.0	4	8.7	9.3	7	
	Mercury	mg/l	0.0005	<0.0005	<0.0005	N/C	<0.0005	<0.0001	N/C	
	Nickel	mg/l	0.001	0.022	0.027	20	***0.0029***	***<0.005***	***53***	
	Potassium	mg/l	0.03	15.0	15.0	0	35.0	35.3	1	
	Sodium	mg/l	0.03	100.0	100.0	0	76.0	82.9	9	
	Zinc	mg/l	0.001	0.1	0.12	18	0.016	0.013	21	
OCP	4,4-DDE	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	a-BHC	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Aldrin	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	b-BHC	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Chlordane (cis)	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Chlordane (trans)	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	d-BHC	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	DDD	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	DDT	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<2.0	N/C	
	Dieldrin	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Endosulfan I	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Endosulfan II	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Endosulfan sulphate	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Endrin	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Endrin aldehyde	µg/L	0.2	<0.2	<0.2	N/C				
	g-BHC (Lindane)	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Heptachlor	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Heptachlor epoxide	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Hexachlorobenzene	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<0.5	N/C	
	Methoxychlor	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<2.0	N/C	
Organophosphorus I	Chlorpyrifos	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<2.0	N/C	
Pesticides	Chlorpyrifos-methyl	mg/l	0.0002	<0.0002	<0.0002	N/C				
	Diazinon	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<2.0	N/C	
	Dimethoate	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<2.0	N/C	
	Ethion	µg/L	0.2	<0.2	<0.2	N/C				
	Fenitrothion	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<2.0	N/C	
	Ronnel	µg/L	0.2	<0.2	<0.2	N/C	<0.2	<2.0	N/C	

PAH/Phenols	Acenaphthene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Acenaphthylene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Anthracene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Benz(a)anthracene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Benzo(a) pyrene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Benzo(b)&(k)fluoranthene	µg/L	2	<2.0	<2.0	N/C	<2.0	<2.0	N/C
	Benzo(g,h,i)perylene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Chrysene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Dibenz(a,h)anthracene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Fluoranthene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Fluorene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Indeno(1,2,3-c,d)pyrene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Naphthalene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Phenanthrene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
	Pyrene	µg/L	1	<1.0	<1.0	N/C	<1.0	<1.0	N/C
TPH	TPH C 6 - C 9 Fraction	µg/L	10	29.0	27.0	7	<10.0	<50.0	N/C
	TPH C10 - C14 Fraction	µg/L	50	<50.0	<50.0	N/C	<50.0	<50.0	N/C
	TPH C15 - C28 Fraction	µg/L	100	140.0	140.0	0	<100.0	<200.0	N/C
	TPH C29-C36 Fraction	µg/L	100	<100.0	<100.0	N/C	<100.0	<50.0	N/C

Notes

N/C	RPD not calculated where both duplicate pairs reported concentrations <PQL
Italics	One duplicate pair reported a concentration < PQL, the PQL has been used to calculate the RPD
Bold	RPD exceeds nominally acceptable limit of 30% for inorganics or 50% for organics

Table F - Grundwater Relative Percentage Differences
Marsden Park Industrial Precinct

SDG	23836	23836		
Field_ID	MW5	QA3	**RPD**	
Sampled_Date	29/10/2008	29/10/2008		

Chem_Group	ChemName	Units	EQL			
BTEX	Benzene	µg/L	1	<1.0	<1.0	N/C
	Ethylbenzene	µg/L	1	<1.0	<1.0	N/C
	Toluene	µg/L	1	<1.0	<1.0	N/C
	Xylene (m & p)	µg/L	2	<2.0	<2.0	N/C
	Xylene (o)	µg/L	1	<1.0	<1.0	N/C
Lead	Lead (Filtered)	mg/l	0.001	<0.001	<0.001	N/C
Metals	Arsenic (Filtered)	mg/l	0.001	0.0014	0.0014	0
	Cadmium (Filtered)	mg/l	0.0001	***<0.0001***	***0.0001***	***0***
	Chromium (III+VI) (Filtered)	mg/l	0.001	0.0018	0.0019	5
	Copper (Filtered)	mg/l	0.001	0.0029	0.0034	16
	Mercury (Filtered)	mg/l	0.0005	<0.0005	<0.0005	N/C
	Nickel (Filtered)	mg/l	0.001	0.0013	0.0012	8
	Zinc (Filtered)	mg/l	0.001	0.011	0.011	0
PAH/Phenols	Acenaphthene	µg/L	1	<1.0	<1.0	N/C
	Acenaphthylene	µg/L	1	<1.0	<1.0	N/C
	Anthracene	µg/L	1	<1.0	<1.0	N/C
	Benz(a)anthracene	µg/L	1	<1.0	<1.0	N/C
	Benzo(a) pyrene	µg/L	1	<1.0	<1.0	N/C
	Benzo(b)&(k)fluoranthene	µg/L	2	<2.0	<2.0	N/C
	Benzo(g,h,i)perylene	µg/L	1	<1.0	<1.0	N/C
	Chrysene	µg/L	1	<1.0	<1.0	N/C
	Dibenz(a,h)anthracene	µg/L	1	<1.0	<1.0	N/C
	Fluoranthene	µg/L	1	<1.0	<1.0	N/C
	Fluorene	µg/L	1	<1.0	<1.0	N/C
	Indeno(1,2,3-c,d)pyrene	µg/L	1	<1.0	<1.0	N/C
	Naphthalene	µg/L	1	<1.0	<1.0	N/C
	Phenanthrene	µg/L	1	<1.0	<1.0	N/C
	Pyrene	µg/L	1	<1.0	<1.0	N/C
TPH	TPH C 6 - C 9 Fraction	µg/L	10	<10.0	<10.0	N/C
	TPH C10 - C14 Fraction	µg/L	50	<50.0	<50.0	N/C
	TPH C15 - C28 Fraction	µg/L	100	<100.0	<100.0	N/C
	TPH C29-C36 Fraction	µg/L	100	<100.0	<100.0	N/C
VOC	1,1,1,2-tetrachloroethane	µg/L	1	<1.0	<1.0	N/C
	1,1,1-trichloroethane	µg/L	1	<1.0	<1.0	N/C
	1,1,2,2-tetrachloroethane	µg/L	1	<1.0	<1.0	N/C
	1,1,2-trichloroethane	µg/L	1	<1.0	<1.0	N/C
	1,1-dichloroethane	µg/L	1	<1.0	<1.0	N/C
	1,1-dichloroethene	µg/L	1	<1.0	<1.0	N/C
	1,1-dichloropropene	µg/L	1	<1.0	<1.0	N/C
	1,2,3-trichlorobenzene	µg/L	1	<1.0	<1.0	N/C
	1,2,3-trichloropropane	µg/L	1	<1.0	<1.0	N/C
	1,2,4-trichlorobenzene	µg/L	1	<1.0	<1.0	N/C
	1,2,4-trimethylbenzene	µg/L	1	<1.0	<1.0	N/C
	1,2-dibromo-3-chloropropane	µg/L	1	<1.0	<1.0	N/C
	1,2-dibromoethane	µg/L	1	<1.0	<1.0	N/C
	1,2-dichlorobenzene	µg/L	1	<1.0	<1.0	N/C

	1,2-dichloroethane	µg/L	1	<1.0	<1.0	N/C
	1,2-dichloropropane	µg/L	1	<1.0	<1.0	N/C
	1,3,5-trimethylbenzene	µg/L	1	<1.0	<1.0	N/C
	1,3-dichlorobenzene	µg/L	1	<1.0	<1.0	N/C
	1,3-dichloropropane	µg/L	1	<1.0	<1.0	N/C
	1,4-dichlorobenzene	µg/L	1	<1.0	<1.0	N/C
	2,2-dichloropropane	µg/L	1	<1.0	<1.0	N/C
	2-chlorotoluene	µg/L	1	<1.0	<1.0	N/C
	4-chlorotoluene	µg/L	1	<1.0	<1.0	N/C
	Bromobenzene	µg/L	1	<1.0	<1.0	N/C
	Bromochloromethane	µg/L	1	<1.0	<1.0	N/C
	Bromodichloromethane	µg/L	1	<1.0	<1.0	N/C
	Bromoform	µg/L	1	<1.0	<1.0	N/C
	Bromomethane	µg/L	10	<10.0	<10.0	N/C
	Carbon tetrachloride	µg/L	1	<1.0	<1.0	N/C
	Chlorobenzene	µg/L	1	<1.0	<1.0	N/C
	Chlorodibromomethane	µg/L	1	<1.0	<1.0	N/C
	Chloroethane	µg/L	10	<10.0	<10.0	N/C
	Chloroform	µg/L	1	<1.0	<1.0	N/C
	Chloromethane	µg/L	10	<10.0	<10.0	N/C
	cis-1,2-dichloroethene	µg/L	1	<1.0	<1.0	N/C
	cis-1,3-dichloropropene	µg/L	1	<1.0	<1.0	N/C
	Dibromomethane	µg/L	1	<1.0	<1.0	N/C
	Dichlorodifluoromethane	µg/L	10	<10.0	<10.0	N/C
	Hexachlorobutadiene	µg/L	1	<1.0	<1.0	N/C
	Isopropylbenzene	µg/L	1	<1.0	<1.0	N/C
	n-butylbenzene	µg/L	1	<1.0	<1.0	N/C
	n-propylbenzene	µg/L	1	<1.0	<1.0	N/C
	p-isopropyltoluene	µg/L	1	<1.0	<1.0	N/C
	sec-butylbenzene	µg/L	1	<1.0	<1.0	N/C
	Styrene	µg/L	1	<1.0	<1.0	N/C
	TCE	µg/L	1	<1.0	<1.0	N/C
	tert-butylbenzene	µg/L	1	<1.0	<1.0	N/C
	Tetrachloroethene	µg/L	1	<1.0	<1.0	N/C
	trans-1,2-dichloroethene	µg/L	1	<1.0	<1.0	N/C
	trans-1,3-dichloropropene	µg/L	1	<1.0	<1.0	N/C
	Trichlorofluoromethane	µg/L	10	<10.0	<10.0	N/C
	Vinyl chloride	µg/L	10	<10.0	<10.0	N/C

Notes

N/C	RPD not calculated where both duplicate pairs reported concentrations <PQL
Italics	One duplicate pair reported a concentration < PQL, the PQL has been used to calculate the RPD
Bold	RPD exceeds nominally acceptable limit of 30% for inorganics or 50% for organics

Appendix C – Available on Request

Laboratory Reports and Chain of Custody Sheets

Appendix D – Available on Request

Borehole and Groundwater Well Construction Logs

Appendix E – Available on Request

Calibration Certificates

Water quality meter

Interface meter

PID

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Document Status

Rev No.	Author	Reviewer		Approved for Issue		
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