WELLINGTON OPERATING COMPANY
WELL 35-4 LABORATORY SUMMARY

			Sample Location				
Contaminant of Concern	**Concentration**		**Well 35-4 FL Cap**	**Well 35-4 Background**	**Well 35-4 Flowline End**	**Well 35-4 Wellhead @ 7'**	**Well 35-4 Stockpile**
Soil TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	500 mg/kg		< 11.3	68.8	59	< 11.6	295.7
Motor Oil Range (C24-C36)			< 11.3	54.5	44.9	< 11.6	229
TPH-DRO (C10-C28)			< 11.3	14.3	14.1	< 11.6	66.7
Gasoline Range Organics (C6-C10)			< 3.4	< 2.6	< 2.8	< 3.0	< 2.8
Soils and Groundwater - liquid hydrocarbons including condensate and oil	below visual detection limits		Yes	Yes	Yes	Yes	Yes
Electrical conductivity (EC) (by saturated paste method)1,2	<4mmhos/cm		0.461	1.52	0.294	0.76	0.570
Sodium adsorption ratio (SAR) (by saturated paste method)1,2,3	<6		0.100	0.103	0.40	1.05	0.39
pH (by saturated paste method)1,2	6–8.3		7.95	7.56	7.82	7.87	7.76
boron (hot water soluble soil extract)1,2,3	2 mg/l		< 1.000	0.486	0.436	0.509	0.524
	Residential Soil Screening Level Concentrations (mg/kg)7	Protection of Groundwater Soil Screening Level Concentrations (mg/kg) Risk Based (R) and MCL Based (M)7,8					
benzene	1.2	0.0026 (M)	< 0.0129	< 0.0101	< 0.0131	< 0.0106	< 0.0104
toluene	490	0.69 (M)	< 0.0323	< 0.0253	< 0.0328	< 0.0266	< 0.0259
ethylbenzene	5.8	0.78 (M)	< 0.0323	< 0.0253	< 0.0328	< 0.0266	< 0.0259
xylenes (sum of o-, m- and p- isomers = total xylenes)	58	9.9 (M)	< 0.0969	< 0.0758	< 0.0984	< 0.0798	< 0.0777
1,2,4-trimethylbenzene	30	0.0081 (R)	< 0.0323	< 0.0253	< 0.0328	< 0.0266	< 0.0259
1,3,5-trimethylbenzene	27	0.0087 (R)	< 0.0323	< 0.0253	< 0.0328	< 0.0266	< 0.0259
acenaphthene	360	0.55 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
anthracene	1800	5.8 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
benz(a)anthracene	1.1	0.011 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
benzo(b)fluoranthene	1.1	0.3 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
benzo(k)fluoranthene	11	2.9 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
benzo(a)pyrene	0.11	0.24 (M)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
chrysene	110	9 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
dibenzo(a,h)anthracene	0.11	0.096 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
fluoranthene	240	8.9 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
fluorene	240	0.54 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
indeno(1,2,3-cd)pyrene	1.1	0.98 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
1-methylnaphthalene	18	0.006 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
2-methylnaphthalene	24	0.019 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
naphthalene	2	0.0038 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
pyrene	180	1.3 (R)	< 0.0113	< 0.0105	< 0.0115	< 0.0115	< 0.0113
Metals in Soils 1, 6, 9, 10, 11	Residential Soil Screening Level Concentrations (mg/kg)7	Residential / Protection of Groundwater					
arsenic	0.68	0.29 (M)	5.8	5.3	5.5	4.8	5.5
barium	15000	82 (M)	124	123	125	150	12.5
cadmium	71	0.38 (M)	0.68	0.76	0.73	0.26	0.73
chromium (VI)	0.3	0.00067 (R)	< 1.16	< 1.0	< 1.0	< 1.0	< 1.0
copper	3100	46(M)	12.6	12.9	12.4	9	12.4
lead	400	14 (M)	9.4	10.4	11.1	6.4	11.1
nickel	1500	26 (R)	14.2	13.7	13.7	10.9	13.7
selenium	390	0.26 (M)	< 1.1	< 0.96	< 1.1	< 1.1	< 1.1
silver	390	0.8 (R)	< 0.55	< 0.48	< 0.54	< 0.56	< 0.54
zinc	23000	370 (R)	44.7	44.7	43.7	28.6	43.7