



## Tables

Table 1: Residual Soil Contamination

Table 2: Residual Groundwater Contamination

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**Table 1: Residual Soil Contamination  
Berrimah Freight Terminal  
Site Audit Report  
D19020**



Residual Soil Contamination						TRH					
						CEC-10	CEC-10 - BTEX (F1)	TRH -C10-C16	C10-C16 - Naph (F2)	TRH -C16-C24	TRH -C24-C40
LOR						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
						20	20	50	50	100	100
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand - 0-1m							260		NL		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand - 1-2m							370		NL		
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil							215		170	1700	3300
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil						700		1000		3500	10000
CRC Care (2011) HSL D (Comm/Ind ) (Direct Contact)						26000		20000		27000	38000
Location	Area	Depth (m)	Field_ID	Sample_Date	Lab_Report_#						
BH13	One Road Rail Line	0.25	BH13-0.25	5/06/2020	724546	290	270	24000	24000	20000	< 10000
BH14	One Road Rail Line	0.25	BH14-0.25	5/06/2020	724546	470	430	20000	20000	16000	< 10000
BH15	One Road Rail Line	0.25	BH15-0.25	5/06/2020	724546	480	440	27000	27000	23000	< 10000
BH15	One Road Rail Line	0.3	BH15-0.30	5/06/2020	724546	<20	<20	550	550	730	<100
NDTP05	Remediation Area 2a	0.2	NDTP05_0.2	10/06/2020	725276	<200	<200	17000	17000	15000	<500
NDTP07	Remediation Area 2a	1.1	NDTP07	16/07/2020	732705	700	590	31000	30998	20000	<100
NDTP09	Remediation Area 2c	0.3	NDTP09	16/07/2020	732705	270	250	14000	14000	10000	510
TP11	Ramp Road Rail Line	0.35	TP11_0.35	10/06/2020	725276	110	100	7200	7199	7800	730
TP15	Ramp Road Rail Line	0.3	TP15_0.3	10/06/2020	725276	<20	<20	610	610	1900	240
TP27	Ramp Road / Auxiliary Road Rail Line	0.35	TP27_0.35	10/06/2020	725276	<20	<20	600	600	570	<100
TP29	Auxiliary Road Rail Line	0.35	TP29_0.35	10/06/2020	725276	<200	<200	8000	8000	8000	<500
TP35	One Road / Auxiliary Road Rail Line	1.05	TP35_1.05	24/08/2020	740295	30	30	3700	3700	4800	<100
TP37	Adjacent Remediation Area 2b	1.6	TP37_1.6	26/08/2020	740295	91	86	3400	3400	3400	<100
V85	Remediation Area 2c	1.0	V85	22/09/2020	745838	< 20	< 20	340	340	420	< 100
V86	Remediation Area 2c	2.0	V86	22/09/2020	745838	< 20	< 20	820	820	680	< 100
V89	Remediation Area 2c	1.0	V89	22/09/2020	745838	< 20	< 20	1000	1000	1200	< 100
V102	Remediation Area 2b	2.0	V102	22/09/2020	745838	< 20	< 20	240	240	230	< 100
V104	Remediation Area 2c	2.0	V104	22/09/2020	745838	< 20	< 20	200	200	280	< 100
V110	Remediation Area 2c	2.0	V110	22/09/2020	745838	28	28	1800	1800	1800	< 100
V111	Remediation Area 2c	2.0	V111	22/09/2020	745838	280	270	11000	10998	11000	< 100
V112	Remediation Area 2c	2.0	V112	22/09/2020	745838	25	25	1200	1200	1600	< 100
V113	Remediation Area 2c	2.0	V113	22/09/2020	745838	< 20	< 20	440	440	500	< 100
V114	Remediation Area 2b	2.0	V114	22/09/2020	745838	< 20	< 20	1800	1800	6900	< 100
V119	Remediation Area 2a	0.25	V119	1/10/2020	747984	< 20	< 20	590	590	2000	140
V122	Remediation Area 2a	0.25	V122	1/10/2020	747984	< 20	< 20	4100	4100	6600	1100
V145	Remediation Area 3	0.2	V145	1/10/2020	747984	180	170	16000	15999	13000	510
V146	Remediation Area 3	0.2	V146	1/10/2020	747984	240	220	17000	16999	17000	820
V156	Remediation Area 3	0.5	V156	1/10/2020	747984	< 20	< 20	1400	1400	7600	4900
V158	Remediation Area 3	0.5	V158	1/10/2020	747984	< 20	< 20	2900	2900	4400	990
V160	Remediation Area 3	0.5	V160	1/10/2020	747984	< 20	< 20	240	240	640	< 100
V167	Remediation Area 3	0.1	V167	1/10/2020	747984	20	< 20	5300	5300	7500	4700

Table 2: Hydrocarbon Impacts in Groundwater

Monitoring Well	Sampling Dates	Concentrations (mg/L)					
		F1: TRH (C <sub>5</sub> -C <sub>10</sub> less BTEX)	F2: TRH (C <sub>10</sub> -C <sub>15</sub> less naphthalene)	F3: TRH (>C <sub>15</sub> -C <sub>34</sub> )	F4: TRH (>C <sub>34</sub> -C <sub>60</sub> )	Diesel Range TRH (>C <sub>10</sub> -C <sub>34</sub> )	
NEPM HSLs for Vapour Intrusion, Commercial/Industrial (2 to <4m)		0,000	NL				
Marine Aquatic Ecosystem (ANZECC:2000)							
CWB Environmental Screening Levels for Gasoline and Diesel Aquatic Ecosystem		440	640	640	640	640	
ANZECC Primary Contact Recreational		100	900	900	900	900	
MW01	Dec-21	<20	860	900	<100	1,760	
MW01A	Dec-21	<20	<50	100	<100	<100	
MW03	Dec-21	<20	<50	400	<100	400	
MW04	Dec-21	<20	<50	400	<100	400	
MW07	Dec-21	<20	<50	500	<100	500	
MW08	Dec-21	<20	<50	200	<100	200	
MW11	Dec-21	<20	<50	300	<100	300	