Level of Assessment	***TIER 1***		***TIER 2***										
Analyte	Measured Concentration (µg/L)	Marine EQS Screening Value (µg/L)	Value used	Type of contamination	Location	Depth of sample (m)	Infiltration	Estimated catchment area of contamination (m^2)	Estimated catchment area of clean water (m^2)	Total catchment (m^2)	Percentage of Contaminated Catchment Infiltrating Total Catchment	Resultant simulated concentration as analyte enters Evaporites (µg/L)	Marine EQS Screening Value (µg/L)
Arsenic	40	25	MAX	Soil leachate hotspot	TP622A	1.2	5.48E-04	1225	2975	4200	29%	12	25
Azobenzene	4	0.611	MAX	Soil leachate hotspot	TP606A	0.8	5.48E-04	1575	2975	4550	35%	1.4	0.611
Benzo (a) anthracene	6	0.092	MAX	Soil leachate hotspot	TP606A	0.8	5.48E-04	1575	2975	4550	35%	2.1	0.092
Benzo (a) pyrene	2	0.01	MAX	Soil leachate hotspot	TP606A	0.8	5.48E-04	1575	2975	4550	35%	0.69	0.01
Carbazole	8	3.36	MAX	Soil leachate hotspot	TP606A	0.8	5.48E-04	1575	2975	4550	35%	2.8	3.36
Fluoranthene	20	0.2	MAX	Soil leachate hotspot	TP606A	0.8	5.48E-04	1575	2975	4550	35%	6.9	0.2
Phenanthrene	24	10	MAX	Soil leachate hotspot	TP606A	0.8	5.48E-04	1575	2975	4550	35%	8.3	10
Sum of 4 PAHs	89	0.1	MAX	Soil leachate hotspot	TP606A	0.8	5.48E-04	1575	2975	4550	35%	31	0.1
Benzo (a) anthracene	0.108	0.092	MAX	Groundwater hotspot	WS115	water	5.48E-04	1500	0	1500	100%	0.11	0.092
Benzo (a) pyrene	0.021	0.01	MAX	Groundwater hotspot	WS115	water	5.48E-04	1500	0	1500	100%	0.02	0.01
Fluoranthene	0.7	0.2	MAX	Groundwater hotspot	WS115	water	5.48E-04	1500	0	1500	100%	0.70	0.2
Naphthalene	49	5	MAX	Groundwater hotspot	WS115	water	5.48E-04	1500	0	1500	100%	49	5
Zinc	83	40	MAX	Groundwater hotspot	WS115	water	5.48E-04	1500	0	1500	100%	83	40
Sulphate	313000	250000	MAX	Groundwater hotspot	WS115	water	5.48E-04	1500	0	1500	100%	313000	250000
Cyanide	1670	50	MAX	Groundwater hotspot	WS115	water	5.48E-04	1500	0	1500	100%	1670	50
Fluoranthene	1	0.2	MAX	Soil leachate hotspot	TP602A	0.6	5.48E-04	1500	0	1500	100%	1.0	0.2
Copper	64	5	MAX	Soil leachate hotspot	TP608A	0.9	5.48E-04	900	2700	3600	25%	16	5
Fluoranthene	2	0.2	MAX	Soil leachate hotspot	TP619A	3	5.48E-04	500	725	1225	41%	0.82	0.2
Chromium	16	15	MAX	Soil leachate hotspot	TP621A	1.7	5.48E-04	1050	2200	3250	32%	5	15
Copper	39	5	MAX	Soil leachate hotspot	TP627A	2.2	5.48E-04	600	1900	2500	24%	9	5
Fluoranthene	2	0.2	MAX	Soil leachate hotspot	TP623A	1.2	5.48E-04	438	1313	1750	25%	0.50	0.2
Copper	34	5	MAX	Soil leachate hotspot	TP623A	1.2	5.48E-04	438	1313	1750	25%	9	5
Anionic Surfactant	260	200	MAX	Soil leachate hotspot	TP630A	0.5		400	800	1200	33%	87	200
Zinc	110	40	MAX	Groundwater hotspot	WS124	water	5.48E-04	200	325	525	38%	42	40
TPH Aliphatic C21-35	73	10	MAX	Soil leachate hotspot	TP619A	0.8	5.48E-04	6875	10975	1.79E+04	39%	28	10
TPH Aliphatic C21-35	100	10	MAX	Soil leachate hotspot	TP624A, 628A, 630A	0.5-1.7		6100	3425	9.53E+03	64%	64	9
TPH Aliphatic C16-21	22	10	MAX	Soil leachate hotspot	TP624A	1.0	5.48E-04	1800	1975	3.78E+03	48%	10.5	10
TPH Aromatic C16-21	38	10	MAX	Soil leachate hotspot	TP624A	1.0	5.48E-04	1800	1975	3.78E+03	48%	18	10

Exceedence of EQS Screening Value after Tier 1
Exceedence of EQS Screening Value after Tier 2