Surface Water Monitoring

EPL No:	11584
Date of Sampling	1/6/2020
Date of Reported Results	28/6/2020

				Monitoring Location Identification		
Pollutant	**Unit***	**Frequency**	**Limits**	**HPSW1 (1)**	**HPSW2 (6)**	**HPSW3 (7)**
pH	pH	Quarterly		7.91	7.59	7.64
Electrical Conductivity (EC)	µS/cm	Quarterly		617	776	825
Total Dissolved Solids (TDS)	mg/L	Quarterly		402	474	470
Total Suspended Solids (TSS)	mg/L	Quarterly		51	8	26
Alkalinity as CaCO3	mg/L	Quarterly		93	170	208
Aluminium	mg/L	Annual		0.84	0.24	0.44
Arsenic	mg/L	Annual		0	0.001	0.001
Barium	mg/L	Annual		0.07	0.065	0.097
Cadmium	mg/L	Annual		<0.0001	<0.0001	<0.0001
Total Chromium	mg/L	Annual		0	<0.001	<0.001
Hexavalent Chromium	mg/L	Annual		<0.01	<0.01	<0.01
Cobalt	mg/L	Annual		<0.001	<0.001	<0.001
Copper	mg/L	Annual		0.01	0.002	0.002
Lead	mg/L	Annual		0.01	<0.001	<0.001
Mercury	mg/L	Annual		<0.0001	<0.0001	<0.0001
Zinc	mg/L	Annual		0.029	<0.005	0.009
Ammonia as N	mg/L	Quarterly		0.02	0.04	<0.01
Nitrite and Nitrate as N	mg/L	Quarterly		0.01	0.06	0.03
Phosphorus as P – total	mg/L	Annual		<0.01	0.06	<0.01
Total Phenolics	mg/L	Quarterly		<0.05	<0.05	<0.05
Total Organic Carbon	mg/L	Quarterly		5	6	7
Biochemical Oxygen Demand	mg/L	Quarterly		<2	2	<2
Chlorinated volatile compounds (CVC)	µg/L	Annual		<50	<50	<50
Organochlorine pesticides (OCP)	µg/L	Annual		<2	<2	<2
Organophosphate pesticides (OPP)	µg/L	Annual		<2	<2	<2
Polychlorinated biphenyls (PCB)	µg/L	Annual		<1	<1	<1
Polycyclic aromatic hydrocarbons (PAH)	µg/L	Annual		<1	<1	<1
Total Petroleum Hydrocarbons (TPH)						
C6 – C9 Fraction	µg/L	Annual		<20	<20	<20
C10 – C14 Fraction	µg/L	Annual		<50	<50	<50
C15 – C28 Fraction	µg/L	Annual		<100	<100	<100
C29 – C36 Fraction	µg/L	Annual		<50	<50	<50
BTEX						
Benzene	µg/L	Annual		<1	<1	<1
Toluene	µg/L	Annual		<2	<2	<2
Ethylbenzene	µg/L	Annual		<2	<2	<2
meta- & para Xylene	µg/L	Annual		<2	<2	<2
ortho - Xylene	µg/L	Annual		<2	<2	<2

* Unit of Measure Abbreviations	
Metres	m
Microsiemens per centimetre	µS/cm
Milligrams per Litre	mg/L
Micrograms per Litre	µg/L

http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30721&SYSUID=1&LICID=11584