



Discharge Monitoring for
the Central Basin Acid Mine Drainage Plant
Report for October 19 to December 2019



Sampling Month	Pumped volume ML/day	HCO ₃	Ca	Cl	F	Mg	K	Na	SO ₄	NO ₃ -N	NO ₂ -N	o-PO ₄ as P	CO ₃	pH	EC	TDS	Alka-linity	Hydr oxide Alkali nity	Total Hard	Turbidity
		mg/L CaCO ₃	mg/L						mg/L N			mg/L	mg/L CaCO ₃	pH	mS/m	mg/L	mg/L CaCO ₃			
Oct 19	64.6	40	621	83	<0.263	171	17,3	185	2246	0,24	0,089	<0.005	0,7	8,3	386	3200	41	0,09	2255	8,0
Nov 19	53.2	42	714	88	<0.263	164	19,6	194	2646	0,25	0,092	<0.005	0,3	7,9	393	3864	42	0,04	2458	4,6
Dec 19	46.8	51	596	90	<0.263	178	18,7	181	2620	0,20	0,085	<0.005	2,2	8,7	400	3634	54	0,22	2221	10,3
Wastewater Limit (2013) a		N/A	N/A	N/A	1,0	N/A	N/A	N/A	N/A	15	15	10	N/A	5.5-9.5	150	N/A	N/A	N/A	N/A	
Directive limits									≤3000					6.5-9.5	≤450					>30

DWS Catchment C22C RQO Limits	HCO ₃	Ca	Cl	F	Mg	K	Na	SO ₄	NO ₃ -N	NO ₂ -N	o-PO ₄ as P	CO ₃	pH	EC
Ideal			<50	<0.19	<8		<50	<200	<2		<0.2		6.0-9.0	<80
Acceptable			50-75	0.19-0.70	8-30		50-80	200-350	2-4		0.2-0.5			80-100
Tolerable			75-100	0.70-1.00	30-70		80-100	350-500	4-7		0.5-1.0			100-150
Not Acceptable			>100	>1.00	>70		>100	>500	>7		>1		<6.0;>9.0	>150

Sampling Month	Pumped volume ML/day	Al	As	B	Cd	Cr	Co	Cu	Fe	Pb	Mn	Ni	Se	Zn	U	V	Ba	Mo
		mg/L																
Oct 19	64.6	<0.002	<0.006	0,156	<0.002	<0.003	0,003	0,036	<0.004	<0.004	1,500	<0.002	<0.002	<0.002	<0.015	<0.001	<0.002	<0.004
Nov 19	53.2	0,034	<0.006	0,187	<0.002	<0.003	<0.003	0,041	<0.004	<0.004	0,953	<0.002	<0.002	0,005	<0.015	<0.001	0,012	0,004
Dec 19	46.8	<0.002	<0.006	0,129	<0.002	<0.003	<0.003	0,038	<0.004	<0.004	1,320	<0.002	<0.002	<0.002	<0.015	0,003	<0.002	0,004
Wastewater Limit (2013) a		N/A	0,020	1,000	0,005	N/A	N/A	0,010	0,300	0,010	0,100	N/A	0,020	0,100	N/A	N/A	N/A	N/A
Directive limits		1,00	N/A	N/A	N/A	N/A	N/A	N/A	1,00	N/A	10,00	N/A	N/A	N/A	0,050	N/A	N/A	N/A

Discharge Point Coordinates: 26°12'54.09"S 28°11'44.33"E Elevation 1620m AMSL