



**Discharge Monitoring for
the Central Basin Acid Mine Drainage Plant
Report for July 19 to September 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				
Jul 19	65	8	650	88	<0.263	165	18,3	183	2735	0,31	0,134	<0.005	0,7	8,9	405	3592	9	0,44	2303	12,2
Aug 19	67	42	665	75	<0.263	177	18,0	177	2698	<0.194	0,116	<0.005	1,4	8,6	402	3946	43	0,18	2390	4,6
Sep 19	65	37	627	83	<0.263	190	19,6	204	2448	<0.194	<0.065	0,025	1,1	8,5	416	3802	38	0,15	2348	9,1
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																
Jul 19	65	<0.002	<0.006	0,176	<0.002	<0.003	<0.003	<0.002	<0.004	<0.004	0,240	<0.002	<0.002	<0.002	<0.015	<0.001	<0.002	<0.004
Aug 19	67	<0.002	<0.006	0,126	<0.002	<0.003	<0.003	0,022	<0.004	<0.004	1,940	<0.002	<0.002	<0.002	<0.015	<0.001	<0.002	0,008
Sep 19	65	0,065	<0.006	0,198	<0.002	<0.003	<0.003	0,032	0,084	<0.004	2,600	<0.002	<0.002	<0.002	<0.015	<0.001	<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