

RHONDDA CYNON TAF CBC – COED ELY HOLDING TANK DISCHARGE

Coedely Leachate Discharge Notification

Please note that in accordance with site license EAWML30135 and Working Plan Section 5.12, discharge from the leachate holding tank will commence at 09:00 Hrs

Holding Tank Laboratory Sample

No leachate pumped to holding tank since sample taken.

Field Test and Discharge Rate

Date: **19/10/2022**

Time of Field Test: 08:30

Cyanide Field Test Reading: 0.01mg/l

Proposed Discharge rate: **<10 l/s**

Holding Tank Analysis Summary

Analysis Date: **01/09/2022**

Lab ref No **21922610**

Determinant	Units	Discharge Limit	Source	Lab Sample	Compliant?
Chromium (Soluble)	ug/l	20	EQS	<2.00	Yes
Copper (Soluble)	ug/l	40	EQS	<9.00	Yes
Lead (Soluble)	ug/l	10	EQS	<6.00	Yes
Nickel (Soluble)	ug/l	150	EQS	<3.00	Yes
Zinc (Soluble)	ug/l	300	EQS	<18.0	Yes
Cyanide (Free)	mg/l	0.05	Consent	<0.008	Yes
Cyanide (Total)	mg/l	None	None	<0.009	No Info
Tot.Steam Dist.Phenols (Mono)	mg/l	1	Consent	<0.10	Yes
Sulphate as SO4	g/l	0.25**	UK DWS	0.0482	Yes
Ammoniacal Nitrogen as N	mg/l	2	Consent	<0.06	Yes
COD (filtered) as O2	mg/l	None	None	29	No Info
Sulphide as S	mg/l	2	Consent	<0.02	Yes
pH	pH units	4 to 9	Consent	6.5	Yes
TPH by GC Total (>C6 - C40)	ug/l	5,000	Consent	<29	Yes
naphthalene	ug/l	10	EQS	<0.039	Yes
acenaphthene	ug/l	None	None	<0.010	No Info
acenaphthylene	ug/l	None	None	<0.010	No Info
Fluorine	ug/l	None	None	<0.015	No Info
phenanthrene	ug/l	None	None	0.093	No Info
anthracene	ug/l	None	None	0.014	No Info
fluoranthene	ug/l	None	None	<0.033	No Info
Pyrene	ug/l	None	None	0.029	No Info
benzo(a)anthracene	ug/l	None	None	0.025	No Info
chrysene	ug/l	None	None	0.04	No Info
benzo(b)fluoranthene	ug/l	None	None	0.034	No Info
benzo(k)fluoranthene	ug/l	None	None	0.014	No Info
benzo(a)pyrene	ug/l	0.01	UK DWS	0.018	See notes below
dibenz(ah)anthracene	ug/l	None	None	<0.010	No Info
benzo(ghi)perylene	ug/l	None	None	<0.026	No Info
indeno(123cd)pyrene	ug/l	None	None	<0.017	No Info
PAH (Total of 16)	ug/l	None	None	0.383	No Info
PAH (Total of 4*)	ug/l	0.1	+	<0.08	Yes

Notes:

* Total of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene and indeno(123cd)pyrene

** A discharge limit of 1g/l has been allowed previously although not in new consent

UK DWS = The Water Supply (Water Quality) Regulations 2001

EQS = Environmental Quality Standards for List I and II dangerous substances EC Directive (76/464/EEC) – Hardness taken as 100-150 mg/l of CaCO3 and 95th percentile (Max) if required

Consent = Discharge Consent number AN0244804 (Site Specific)

Benzo(a)pyrene – Note water dilution has increased substantially since analysis summary (0.25m depth 30/07/19, 1.075m 28/08/19 – Please see attached graph for reference).

