

**FORM WATER 1b: Emissions to controlled water (W1) – Weekly and quarterly samples**

Permit Number: EPR/KP3036AX

Operator: Puma Energy (UK) Limited

Installation Location: Milford Haven Terminal, Milford Haven, SA73 3JD

Q4 2022

Parameters: COD, Cyanides, Suspended Solids

Release Point	W1 discharge from effluent treatment plant		
Parameter	ELV (mg/l)	3-month average of weekly results (mg/l)	Maximum weekly result (mg/l)
COD	200	52	72
Sulphides	1	0.1	0.1
Suspended Solids	45	5	9

Parameters: Copper, Nickel, Iron, Zinc, Arsenic, Chromium, Lead, Mercury, Cadmium

Release Point	W1 discharge from effluent treatment plant		
Parameter	ELV (µg/l)	3-month average of quarterly results (µg/l)	Maximum result (µg/l)
Copper	220	6.24	6.24
Nickel	120	10.2	10.2
Iron	4000	339	339
Zinc	85	24.2	24.2
Arsenic	-	<2	<2
Chromium	-	<3	<3
Lead	-	<1	<1
Mercury	2.4	<0.01	<0.01
Cadmium	8	<0.5	<0.5

Signed *Sarah Jones*

Name Sarah Jones

On behalf of the Operator Puma Energy (UK) Limited

Date 11/01/2023