

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

Permit Number: EPR/AP3830XQ

Operator: Puma Energy (UK) Limited

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

Q3 2020

Parameters: COD, Sulphides, Fluorides, 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	35	80
Sulphides	1	0.1	0.1
Fluorides	40	1.4	1.8
Cyanides	0.25	0.01	0.01
Suspended Solids	45	4	6

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	<1	<1
Nickel	120	2.58	2.58
Iron	4000	247	247
Zinc	85	<5	<5
Arsenic	-	<2	<2
Chromium	-	<3	<3
Lead	-	<1	<1
Mercury	2.4	<0.02	<0.02
Cadmium	8	<0.5	<0.5

Signed *Edmund Whitmore*

Name Edmund Whitmore

On behalf of the Operator Puma Energy (UK) Limited

Date 01/10/2020