

FORM WATER 1a: Emissions to controlled water - Daily samples.

Permit Number : EPR/YP3930EX
 Operator : Valero Energy Ltd
 Installation Location : Pembroke Refinery, Pembroke, SA71 5SJ
 Reporting Period : Q2 2021

Parameters: pH, Oil, Ammonia, Phenols, COD

| Release Point | W1 discharge to Milford Haven Waterway | | | |
|---------------------|--|---|-----------------------------|-----------------------------|
| Parameter | Daily ELV (mg/l) | 3-month average of daily samples (mg/l) | Maximum daily result (mg/l) | Minimum daily result (mg/l) |
| pH | 6 - 9 | 8 | 9 | 7 |
| Oil | 17 | 1 | 2 | |
| Ammoniacal Nitrogen | 20 | 2 | 8 | |
| COD | 270 | 63 | 183 | |
| Phenols | 3 | 0.4 | 0.8 | |

Parameters: Temperature

| Release Point | W1 discharge from effluent treatment plant | | |
|---------------|--|---------------------------------------|-----------------------------|
| Parameter | Daily average ELV (°C) | 3-month average of daily samples (°C) | Maximum hourly average (°C) |
| Temperature | 35 | 16 | 26 |

Parameters: Flow

| Release Point | W1 discharge from effluent treatment plant | | | |
|--------------------|---|--|--------------------------------------|---|
| Parameter | Weekly average of daily flows ELV (m ³) | 3-month average of daily samples (m ³) | Maximum daily flow (m ³) | Maximum weekly average flow (m ³) |
| Flow | 25,000 | 8,045 | 23,224 | 11,013 |
| Flow from Tank(s)* | - | 0 | 0 | - |

* For period(s) of discharge only

Signed : Richard Livock

 Name : *RDLivock*

 On behalf of the Operator Valero Energy Ltd
 Date : 14/07/2021
