

Schedule 5 - Notification
NOTIFICATIONS OF UNAUTHORISED RELEASES in accordance with condition 4.3

Authorisation Reference **EPR/BK1341IN**

Operator **Valero Pembrokeshire Oil Terminal Limited** Reference Number **02/ 22**

PART B
 Additional information on the matters for notification under Part A

Name of the prescribed substance or other substance which might cause harm
Water (effluent from oil storage terminal)

Time, date and location of the release
 17:50 - 18:50 hrs 08-09-22
 East Catch Basin

Location
 SM 93864 04453 (51°42'00.76"N 4°58'56.83"W)

Reference or description of the location of the event.
 Description of where any release into the environment took place

A member of the public reported 'oil gushing off site into Haven (spotted from coast path), 'dog covered in oil from swimming in slick (fuel oil)'. Reported via Site Security and NRW.
 The discharge was onto a public beach, 51°42'00.76"N 4°58'56.83"W.
 NRW Officers attended scene, Form LPR08 Number 10430, 8/9/22, 21:15.



Substances(s) potentially released
 pH, BOD, ammoniacal nitrogen, total oil, COD, sulphide, total phenols, cyanide, cadmium, mercury, lead, copper, iron, nickel, zinc and chromium.
 These substances are normally within permit limits.

Date	Flow	Suspended Solids	BOD	Ammoniacal Nitrogen	Temperature	pH	Oil
	(m ³ /day)	(mg/l)	(mg/l)	(mg/l)	°C		(mg/l)
Limit	10,000	70	60	5.0	30	< 6.0 > 9.0	30
Warning	7,000	50	25	3.0	20	< 6.5 > 8	15
07-Sep	317	43			15	7.3	<1
08-Sep	289	36			15	7.2	<1
09-Sep	294	31			14	7.1	4.9
10-Sep							

Measured value and uncertainty
 Duration of release, approx. 1 hr continuous (17:50 - 18:50 hrs).
 Best estimate of quantity released over 1 hour via emergency overflow channel, 12 m³, based on 294m³/day (12 m³/hr) recorded in flow meter. Uncertainty + or - 10m³/hr
 Assumption is the recorded flow is half of the total flow.

Environmental medium into which the release took place
 Milford Haven Estuary

Measures taken, or intended to be taken, to prevent a recurrence of the incident.
 Shift operators attended area. Samples collected. Investigation identified the East Catch Basin bypass channel grating was blocked with debris. This resulted in effluent discharging via the emergency overflow spill way onto a public beach.
 The bypass channel was cleared of debris which resulted in the level of the overflow chamber reducing and the effluent stream then took the conventional route offsite through the outfall pipeline, flow meter and auto sampler.
 VPOT shift operators will inspect the grating daily and remove debris as necessary.

Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.
 No immediate measures identified. VPOT Management inspected scene 09:00 hrs Friday 9 September and no evidence of pollution observed.
 The bypass channel is in operation because of a leak in the clay liner of the East Catch Basin (Part A notification July 22, ref 22/01).
 The clay liner will be repaired so that the by pass channel is not the primary effluent discharge route in normal operation.

The dates of any unauthorised emissions from the facility in the preceding 24 months
 2018: 22-07-18 (pH), 08-11-08 (flow)
 2019: 22-10-19 (flow)
 2022: 18-07-22 (flow)

Name
 H Morgan
 Position
 HES Supervisor