



No : 36.3144/P5/TRA/4.2/462  
 Date: 30/09/2011  
 Page: 1 of 1

**TRANSMITTAL**  
**VODI JV**  
 P.O. Box 1399  
 Gladstone QLD 4680



**PROJECT:** CS110010  
 Western Basin Main Works Dredging - Parcel 5

**ADDRESSED TO:**

To: Peter O'Sullivan  
 Cc: Michel de Vos, Mick Jorgenson, GPC Document Control (WBSD.DocControl@gpcl.com.au)

**PURPOSE OF TRANSMISSION:** For Information


**SUBJECT:** Contract CS110010 - Western Basin Main Works Dredging - Parcel 5 -  
 Environmental Incident Report - 008 Hydraulic Oil Spillage Mutlicat Voe Jarl

**DATA ID:**

Items:	Id:	Description	Hardcopy	Softcopy
1	Incident Report No. 008	Environmental Incident Report - 008 Hydraulic Oil Spillage Mutlicat Voe Jarl	3	1

Prepared by: Line Corfixen  
 Signed for VODI JV

Name: Nico Billiet  
 Date: 30/09/2011



Signature:

Please confirm arrival by dating, signing, and sending back a copy

Name: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_

GPC Comments:

---



---



---

Action:

Approved (Code 1)
  Revise and Resubmit (Code 2)

Not Approved (Code 3)
  Review not required (Code 4)

Signature: \_\_\_\_\_ Name: \_\_\_\_\_ Date: \_\_\_\_\_



## Release/Event Details

**Project:** Western Basin Dredging and Disposal Project

**Development Approval No.** SPDE01443011

**Registered Operator** VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE

**Date of Release/Event:** 28/09/2011 **Date of Notification:** 28/09/2011

**Time of Release/Event:** 11:43 **Time of Notification:** 12:25

**VODI Project Contact:** Environmental Officer S. Veenstra  
 P: 0749752243 M: 0487301533  
 E: vsi@vodi.com.au

**Location of Release/Event:** East of North Passage Island  
 (pictorial reference on map below)



Figure 1: Location of release/event.

EPA's Pollution Hotline (1300 130 372) or local office (4971 6500) notified of release/event?

No, date:

Gladstone Harbour Control Pollution Hotline was informed

**Detailed Description of Release/Event**

On Wednesday 28th of September 2011 at 11:43 the Multicat Voe Jarl experienced a hydraulic oil spillage from its deck crane.

At the moment of the incident the Voe Jarl was loading goods and materials onboard the SHB HAM586, which was anchored East of North Passage Island 314461 E, 7370950 S.

The deck crane on board the Voe Jarl was utilised to hoist goods onboard the HAM586.

At the moment the crane was lifting goods, a connector of a hydraulic hose connector failed, resulting in a hair check (crack). As a result of the hair check was lost from the crack in the connector.

Immediately after the connector failed, the crane was swung back above the deck. While swinging the crane back, hydraulic oil leaked in the marine water and on deck of the Voe Jarl.

Minor part of the spilled oil run from the deck off into the marine water.

In order to perform marine winching and anchor hoisting operation, this part of the deck can not be contained with a containment flange.

During the event a minimal volume of oil (< 200ml) was spilled in to the marine environment.

Immediately after the spillage oil spill contingency and response plan was executed: oil on deck was contained with an oil booms and absorbed by means of oil pads.

Although a limited volume of oil entered the marine water, no oil became visible on the water surface during the oil and response operation. Therefore no floating oil boom was launched.

**Cause of Release/Event**

Broken hydraulic hose connector of the crane deck on the Voe Jarl.

**Resulting Effects of Release/Event**

Less then 200ml of hydraulic oil was spilled in the marine water.

Due to the limited volume lost in to the marine water, oil became at the water surface. Therefore no oil absorbing boom was released.

**Risk ranking : 2 / M**

Refer to Matrix below	Risk Ranking	Due Date / Status
	Unlikely	Could happen but very rarely
	Environmental Harm	No permanent damage / Temporary nuisance



**ENVIRONMENTAL INCIDENT REPORT**  
**WESTERN BASIN DREDGING AND DISPOSAL PROJECT**  
 Incident No. 008 Hydraulic Oil Spillage Multicat Voe Jarl

What are the consequences?	How likely is it to occur?			
	Very likely Could happen any time	Likely Could happen some time	Unlikely Could happen, but very rarely	Very unlikely Could happen, but probably never will
<b>Environmental disaster</b> Resulting in permanent Environmental damage	1/H	1/H	1/H	2/M
<b>Environmental Nuisance</b> Resulting in permanent Environmental damage	1/H	1/H	2/M	2/M
<b>Environmental Harm</b> No permanent damage. Temporary nuisance	1/H	2/M	2/M	3/L
<b>No Impact</b> Minor Spill Contained at site and cleaned up	2/M	2/M	3/L	3/L

**Corrective Actions Taken to Mitigate Environmental Harm and/or Nuisance Caused by the Release/Event**

No	Action/s Taken	Responsible Person	Due Date / Status
1.	Execution of Oil Spill Response and Contingency Plan	Dean Mee / Arnold Mechele	Partially successful

**Proposed Actions to Prevent a Recurrence of the Release/Event**

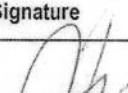
No	Action/s Taken	Responsible Person	Due Date / Status
1.	Additional visual check of hydraulic system prior and during crane operations	Vessel Master /Crane operator	Ongoing
2.	Perform Toolboxes concerning Environmental Incident Procedures for Vessel Master and Superintendent	Environmental Officer	Ongoing

**Results of Sampling (if applicable) Performed in Relation to the Release/Event**

Broken hose connector hose remains as evidence in storage with Environmental Department

Photographs attached

**Environmental Officer / Supervisor to sign**

Environmental Officer / Supervisor	Signature	Date
S. Veenstra		29 <sup>th</sup> of September 2011

**Close out GPC Environmental Representative**

Environmental Officer / Supervisor	Signature	Date
M. Herzel		









WESTERN BASIN DREDGING AND DISPOSAL PROJECT  
 Incident No. 006 Oil Spillage SHB HAM 586

WESTERN BASIN DREDGING AND DISPOSAL PROJECT  
 Incident No. 006 Oil Spillage SHB HAM 586

## Release/Event Details

**Project:** Western Basin Dredging and Disposal Project

**Development Approval No.** SPDE01443011

**Registered Operator** VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE

**Date of Release/Event:** 30/08/2011 **Date of Notification:** 30/08/2011

**Time of Release/Event:** 16:50 **Time of Notification:** 16:55

**VODI Project Contact:** Environmental Officer S. Veenstra

P: 0749752243 M: 0487301533

E: vsi@vodi.com.au

**Location of Release/Event:** Area APLNG area E3a  
 (pictorial reference on map below)

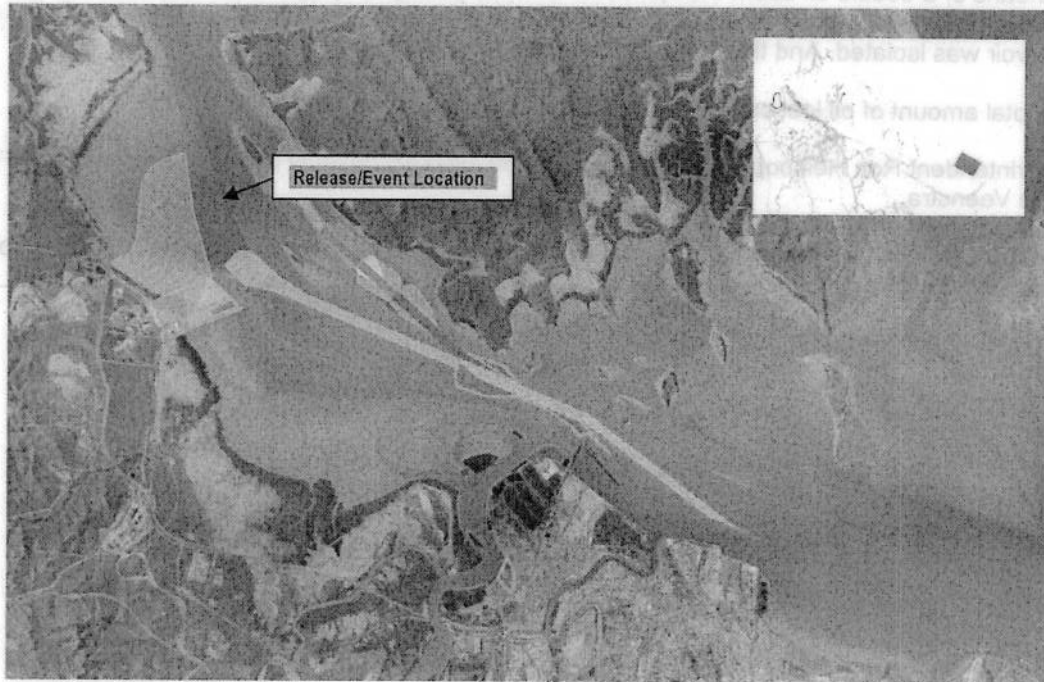


Figure 1: Location of release/event.

EPA's Pollution Hotline (1300 130 372) or local office (4971 6500) notified of release/event?

- Yes, date:
- Gladstone Harbour Control Pollution Hotline was informed

## Release/Event Details

### Detailed Description of Release/Event

On Tuesday 30<sup>th</sup> of August at 16:50 a minor oil spill occurred aboard the SHB HAM 586. At the time of the incident the SHB HAM 586 was anchored in the APLNG dredging area near the Fisherman Landing and Western Basin Reclamation Area.  
 Position: 23 46.3 S, 151 10.3 E.

The HAM 586 is propelled by means of two propellers (schottels). Since Monday the 29<sup>th</sup> of August the HAM 586 experienced vibration in the vessel when sailing. Because of the vibration, the entanglement of debris around the propeller shaft was suspected. A dive inspection - performed in the morning of Tuesday August 30<sup>th</sup> - demonstrated the presence of ropes, chain incl. anchor entangled around the portside propeller shaft.

When standby at the anchorage/dredge area, drops of oil became visible on the water surface near the portside propeller. As such an oil leakage from the port side propeller shaft was suspected.

After the oil became visible on the water surface the Gladstone Harbour was notified by Vessel Master Damien Geyer at 16:50 and the Oil Spill Response and Contingency Plan was executed.

By means of a double oil boom the spilled oil was completely contained and was removed from the water surface. To further prevent the spillage of oil into the marine environment; the portside schottel oil reservoir was isolated. And the portside schottel drive was emptied.

The total amount of oil lost can be considered minor and is estimated to be < 1 litre.

Superintendent Ron Heikoop was informed at 16:50, who accordingly informed Environmental Officer Siebe Veenstra.

At 16:55 GPC Environmental Representative Melanie Herzel was informed by the VODI Environmental Officer S. Veenstra.



Figure 1: Location of release

Yes, date  
 Gladstone Harbour Control Pollution Hotline was informed

EPA's Pollution Hotline (1300 130 372) or local office (4871) 88007 notified of release/event?

Cause of Release/Event	
Anchor rope and chain wrapped around port side schottel - most likely damaging shaft seals.	

Resulting Effects of Release/Event	
Less then 1 litre of hydraulic oil was spilled from the port schottel into the marine waters. Oil spilled was contained and recovered by means of floating absorbing boom. After the clean-up operation no remainders of oil were visible on the water surface. No further oil leaks.	

Corrective Actions Taken to Mitigate Environmental Harm and/or Nuisance Caused by the Release/Event			
No	Action/s Taken	Responsible Person	Due Date / Status
1.	Execution of Oil Spill Response and Contingency Plan	Damien Geyer (Vessel Master)	Successful
2.	Removal of oil from the port schottel reservoir	Michael Falconer (Engineer)	Successful
3.			
4.			

Results of Sampling (if applicable) Performed in Relation to the Release/Event	
<input type="checkbox"/> Sampling results attached	

Proposed Actions to Prevent a Recurrence of the Release/Event			
No	Action/s Taken	Responsible Person	Due Date / Status
1.	Incident could not have been prevented		
2.			
3.			









ENVIRONMENTAL INCIDENT REPORT  
WESTERN BASIN DREDGING AND DISPOSAL PROJECT  
Incident No. 005 Dead Turtle HAM 350

VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE

## Release/Event Details

**Project:** Western Basin Dredging and Disposal Project

**Development Approval No.** SPDE01443011

**Registered Operator** VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE

**Date of Release/Event:** 30/08/2011 **Date of Notification:** 30/08/2011

**Time of Release/Event:** 08:00 **Time of Notification:** 09:00

**VODI Project Contact:** Environmental Officer S. Veenstra  
P: 0749752243 M: 0487301533  
E: vsi@vodi.com.au

**Location of Release/Event:** Area APLNG area E3a  
(pictorial reference on map below)

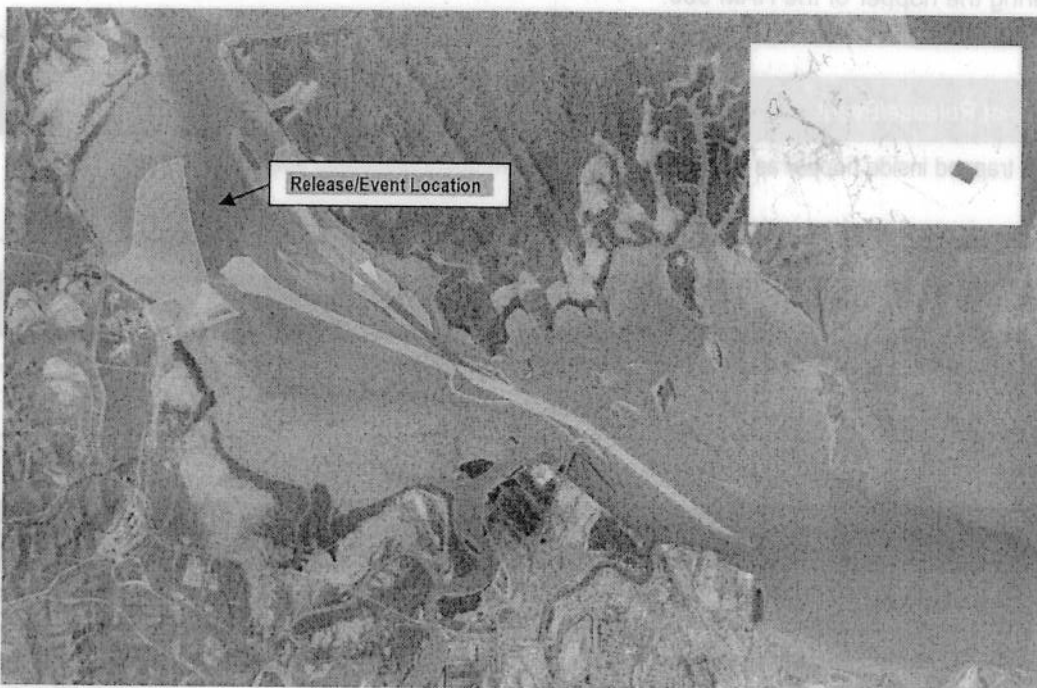


Figure 1: Location of release/event.

EPA's Pollution Hotline (1300 130 372) or local office (4971 6500) notified of release/event?

- Yes, date:
- Gladstone Harbour Control Pollution Hotline was informed



## Release / Event Details

### Detailed Description of Release/Event

On Tuesday 30<sup>th</sup> of August at 09:30 a dead turtle reported in the hopper of the HAM 350. At the moment the turtle was spotted the SHB HAM 350 was on standby in the APLNG dredging area near the Fisherman Landing and Western Basin Reclamation Area. Approximate position: 23 46.3 S, 151 10.3 E.

Prior to the discovery of the dead turtle the SHB HAM 350 returned from the East Banks Sea Disposal Site (EBSDS) where it has been discharging dredged material at 03:29 AM. The discharge of dredged material takes place by opening the bottom doors of the hopper.

It is assumed that the (dead) turtle has become trapped inside the hopper after the disposal at the moment the doors were closed at the disposal site.

After consulting with the GPC Environmental Representative at 09:00 the turtle was recovered from the hopper, transported to the Gladstone Marine and handed over to a GPC representative.

At the moment of recovery from the hopper, the turtle was intact and had no signs of physical injury. From the odour – spreading from the turtle – it is assumed that the animal has been deceased prior entering the hopper of the HAM 350.

### Cause of Release/Event

Turtle trapped inside hopper as a result of closing bottom doors (assumed dead prior event).

### Resulting Effects of Release/Event

Turtle trapped inside hopper and transported to the dredging area.

### Corrective Actions Taken to Mitigate Environmental Harm and/or Nuisance Caused by the Release/Event

No	Action/s Taken	Responsible Person	Due Date / Status
1.	Turtle was recovered and handed over to GPC representative	Bernie Manston (Vessel Master)	Successful
2.			
3.			
4.			

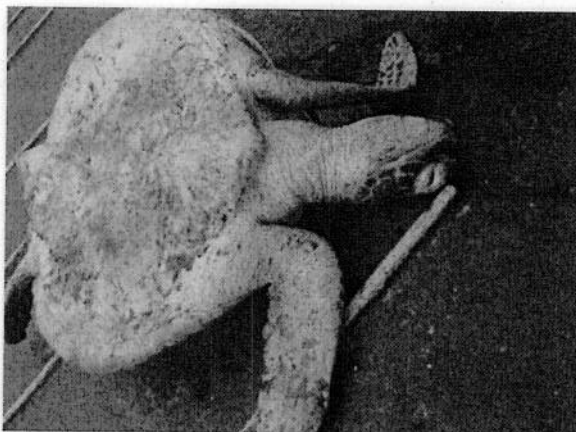
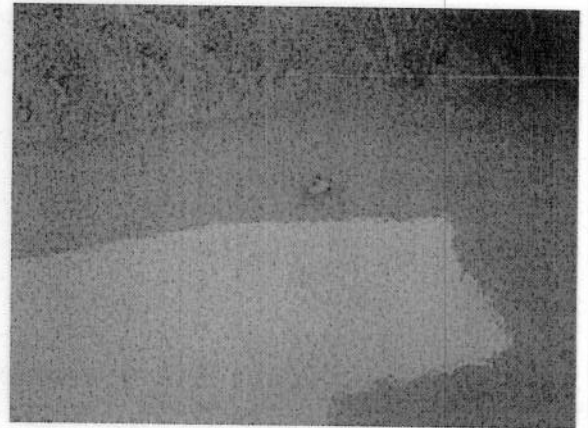
### Results of Sampling (if applicable) Performed in Relation to the Release/Event

At the moment of recovery from the hopper, the turtle was intact and had no signs of physical injury. From the odour – spreading from the turtle – it is assumed that the animal has been deceased prior entering the hopper of the HAM 350.

Images included

**Proposed Actions to Prevent a Recurrence of the Release/Event**

No	Action/s Taken	Responsible Person	Due Date / Status
1.			
2.			
3.			













ENVIRONMENTAL INCIDENT REPORT  
 WESTERN BASIN DREDGING AND DISPOSAL PROJECT  
 Incident No. 002 Oil Spillage BHD Big Boss

VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE

## Release/Event Details

**Project:** Western Basin Dredging and Disposal Project

**Development Approval No.** SPDE01443011

**Registered Operator** VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE

**Date of Release/Event:** 4/07/2011 **Date of Notification:** 4/07/2011

**Time of Release/Event:** 03:30 **Time of Notification:** 04:56

**VODI Project Contact:** Environmental Officer S. Veenstra

**P:** **M:** 0487301533

**E:** vsi@vodi.com.au

**Location of Release/Event:** Area APLNG area E3a  
*(pictorial reference on map below)*



Figure 1: Location of release/event.

EPA's Pollution Hotline (1300 130 372) or local office (4971 6500) notified of release/event?

- Yes, date:
- Gladstone Harbour Control Pollution Hotline was informed

**Cause of Release/Event**

Failure of hydraulic motor on the starboard spud.

**Resulting Effects of Release/Event**

A maximum of 20 litres of hydraulic oil was spilled on deck of the BHD Big Boss.  
 Approximately 3 - 5 litres of hydraulic oil were spilled in the marine waters as a result of runoff from the deck.  
 Oil spilled on deck was recovered/cleaned up from the deck by means of absorbing pads and socks.  
 Spilled oil in marine water was recovered by applying oil absorbing booms.  
 After the clean-up no remainders of oil were visible on the water surface.

**Corrective Actions Taken to Mitigate Environmental Harm and/or Nuisance Caused by the Release/Event**

No	Action/s Taken	Responsible Person	Due Date / Status
1.	Execution of Oil Spill Response and Contingency Plan	Ky Hallinan (1 <sup>st</sup> Operator)	Successful
2.	Contain oil on deck of the barge	Ky Hallinan (1 <sup>st</sup> Operator)	Partially successful
3.	Launch of oil absorbing boom to contain spilled oil	Ky Hallinan (1 <sup>st</sup> Operator)	Successful
4.	Clean up of oil by means of absorbing boom from water surface	Ky Hallinan (1 <sup>st</sup> Operator)	Successful

**Results of Sampling (if applicable) Performed in Relation to the Release/Event**

Sampling results attached

**Proposed Actions to Prevent a Recurrence of the Release/Event**

No	Action/s Taken	Responsible Person	Due Date / Status
1.	Modify bund surrounding deck BHD Big Boss (near bollards) to better contain spilled oil	Superintendent / Chief Engineer	Ongoing
2.			
3.			
4.			