

No:

36.3144/P5/TRA/4.2/462

Date:

30/09/2011

TRANSMITTAL VODI JV



Page: 1of 1 P.O. Box 1399 Gladstone QLD 4680 PROJECT: CS110010 Western Basin Main Works Dredging - Parcel 5 ADDRESSED TO: LING To: Peter O'Sullivan Cc: Michel de Vos, Mick Jorgenson, GPC Document Control (WBSD.DocControl@gpcl.com.au) PURPOSE OF TRANSMISSION: Contract CS110010 - Western Basin Main Works Dredging - Parcel 5 -SUBJECT: Environmental Incident Report - 008 Hydraulic Oil Spillage Mutlicat Voe Jarl DATA ID: Items: ld: Description Hardcopy Softcopy Incident Report No. 008 Environmental Incident Report - 008 Hydraulic Oil Spillage Mutlicat Voe Jarl Prepared by: Line Corfixen Please confirm arrival by dating, signing, and Signed for VODI JV sending back a copy Name: Nico Billiet Name: Date: 30/09/2011 Date: Signature: Signature: GPC Comments: Action: Approved (Code 1) Revise and Resubmit (Code 2) Not Approved (Code 3) Review not required (Code 4) Signature: Name: Date:



VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE

PO Box 1399 Gladstone Qld, 4680

ENVIRONMENTAL INCIDENT REPORT

WESTERN BASIN DREDGING AND DISPOSAL PROJECT

Incident No. 008 Hydraulic Oil Spillage Multicat Voe Jarl

29th of September 2011

Revision No. 0



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

Release/Event Details

Project:

Western Basin Dredging and Disposal Project

Development Approval No.

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: (pictorial reference on map below) East of North Passage Island

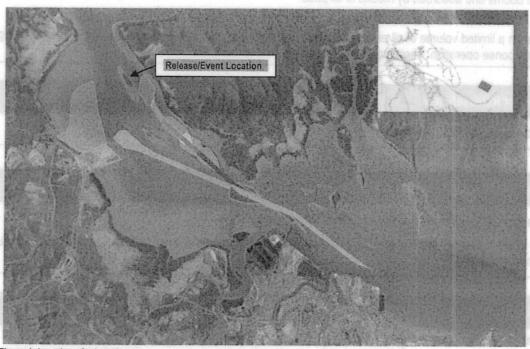


Figure 1: Location of release/event.

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



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

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 | | 的现在分词 医阿拉克氏管 医多种原则 第二 |
|-----------------------|--------------------|--|
| Refer to Matrix below | Risk Ranking | Due Date / Status |
| | Unlikely | Could happen but very rarely |
| | Environmental Harm | No permanent damage / Temporary nuisance |

EN Wi

| NVIRONMENTAL INCIDENT REPORT | VAN OORD - DREDGING INTERNATION |
|--|---------------------------------|
| VESTERN BASIN DREDGING AND DISPOSAL PROJECT | |
| ncident No. 008 Hydraulic Oil Spillage Multicat Voe Jarl | |

| | How likely is it to occur? | | | | |
|--|-----------------------------------|-------------------------------|--|---|--|
| What are the concequences? | 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 | |
| Environmental disaster Resulting in permanent Environmnetal damage | 1/H | 1/H | 1/H | 2/M | |
| Environmental Nuisance Resulting in permanent Environmnetal damage | 1/H | 1/H | 2/M | 2/M | |
| Environmental Harm No permanent damage. Temporary nuisance | 1/H | 2/M | 2/M | 3/L | |
| No Impact Minor Spill Contained at site and cleaned up | 2/M | 2/M | 3/L | 3/L | |

| Corr | ective Actions Taken to Mitigate Environmental H | arm and/or Nuisance Caused I | 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 |

| Prop | oosed Actions to Prevent a Recurrence of the Rele | ase/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 | | Links Halling |
|--|-----------|------------------------|
| Environmental Officer / Supervisor | Signature | Date |
| S. Veenstra | 1/1/2 | 29th of September 2011 |

| Close out GPC Environmental Representat | (A) | |
|---|---|------|
| Environmental Officer / Supervisor | Signature | Date |
| M. Herzel | | |

ENVIRONMENTAL INCIDENT REPORT WESTERN BASIN DIEDGING AND DISPOSAL PROJECT Incident No. 003 Hydraulic Oil Spillage Mollicat Vae Jart



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VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE



TRANSMITTAL VODI JV P.O. Box 1988 PO Box 1399 Gladstone Qld, 4680

ENVIRONMENTAL INCIDENT REPORT

WESTERN BASIN DREDGING AND DISPOSAL PROJECT

Incident No.36.3144 - 13.3.1 - 006 Oil Spillage SHB HAM 586

31th of August 2011

Revision No. 0



No:

36.3144/P5/TRA/4.2/392

Date: 31/08/2011 Page: 1of 1

TRANSMITTAL VODI JV



| rage. | | P.O. Box 1399 Gladstone QLD 4680 | VODI JV |
|--|--|--|---------------------------|
| PROJECT: | CS110010 Western Basin Main Worl | ks Dredging – Parcel 5 | |
| ADDRESSED TO: | To: Peter O'Sullivan Cc: Michel de Vos, Mick Jorge | enson, GPC Document Control (WBSD.DocControl@g | |
| PURPOSE OF TRANSMISSION: | For Information | | |
| SUBJECT: | Contract CS110010 - W Environmental Incident | Vestern Basin Main Works Dredging - Parcel 5 - 006 Oil Spillage SHB HAM 586 | 310,101 A 10,111 A 10,111 |
| DATA ID: | | 1 No. 0 | Revision |
| Items: Id: | | Description | Hardcopy Softcopy |
| 1 36.3144-13.3. Prepared by: Signed for VODI JV Name: Nico Billiet | Line Corfixen | Please confirm arrival by dating, signing, and sending back a copy Name: | 3 1 |
| Date: 31/08/2011 Signature: | | Date: Signature: | |
| GPC Comments: | | | |
| Action: | Approved (Code 1) Not Approved (Code 3) | Revise and Resubmit (Co | |
| | | | |

Release/Event Details



ENVIRONMENTAL INCIDENT REPORT 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:

Time of Notification: 16:55

VODI Project Contact:

Environmental Officer S. Veenstra

P: 0749752243

E: vsi@vodi.com.au

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

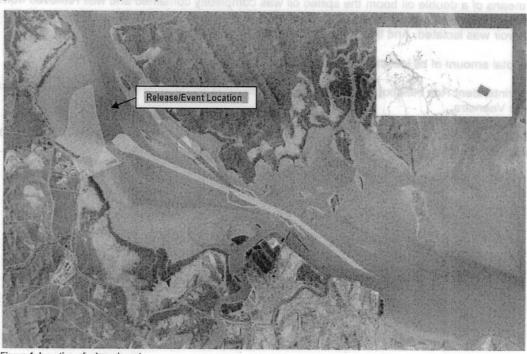


Figure 1: Location of release/event

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





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

Release/Event Details

Detailed Description of Release/Event

On Tuesday 30th 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 29th 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 30th - 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.

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

1.

2.

3.

Incident could not have been prevented

VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE

| Cau | se of Release/Event | | |
|------------------------|--|-----------------------------------|--|
| Ancl | nor rope and chain wrapped around port side schottel - | most likely damaging shaft seals. | |
| Less Oil s After | ulting Effects of Release/Event s then 1 litre of hydraulic oil was spilled from the port scl pilled was contained and recovered by means of floating the clean-up operation no remainders of oil were visible urther oil leaks. | g absorbing boom. | |
| eanones. | rective Actions Taken to Mitigate Environmental Ha | | he 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. | | | |
| Res | ults of Sampling (if applicable) Performed in Relatio | | |
| | | <u> </u> | Sampling results attached |
| PEGEN | | | The state of the s |
| Prop | osed Actions to Prevent a Recurrence of the Release | se/Event | |
| No | Action/s Taken | Responsible Person | Due Date / Status |

Sampling regults attached

| J. |
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VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE



TRANSMITTAL VODI JV PO Box 1399 Gladstone Qld, 4680

ENVIRONMENTAL INCIDENT REPORT

WESTERN BASIN DREDGING AND DISPOSAL PROJECT

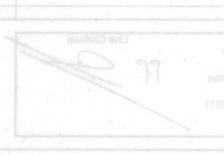
Incident No.36.3144 - 13.3.1 - 005 Dead Turtle SHB HAM 350

31th of August 2011

Revision No. 0

mental incident Report 065 Dead Turtle SHB 3 1

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TRANSMITTAL VODI JV



| | 5.3144/P5/TRA/4.2/394 1/08/2011 of 1 | | TRANSMITTAL VODI JV P.O. Box 1399 Gladstone QLD 4680 | | VODI | JV |
|--------------------------|--|--|---|--------------------------------------|------------|---------|
| PROJECT: | | CS110010 Western Basin Main Woo | rks Dredging – Parcel 5 | | | |
| ADDRESSED | To | Peter O'Sullivan Michel de Vos, Mick Jorg | | entrol (WBSD.DocControl@gp | | |
| PURPOSE OI TRANSMISSI | | For Information | 777 | a mona vinari | OLIVE | ···peni |
| SUBJECT: | oco matrigan | | Western Basin Main Wor t Report 005 Dead Turtle | ks Dredging - Parcel 5 - SHB HAM 350 | | |
| DATA ID: | | | | 0.0M. | Revision | |
| Items: Io | f: | | Description | | Hardcopy S | oftcopy |
| 1 36 | 6,3144-13.3.1-005 | | Environmental Incident Re | port 005 Dead Turtle SHB | 3 | 1 |
| | 1/08/2011 | Line Corfixen | Please confirm sending back a Name: Date: Signature: | arrival by dating, signing, and copy | | |
| Action: | | Approved (Code 1) Not Approved (Code 3) | | Revise and Resubmit (Co | | |
| Signature: | | Name: | | Date: | | |



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

Release/Event Details

Project:

Western Basin Dredging and Disposal Project

Development Approval No.

Registered Operator

VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE

Date of Release/Event:

30/08/2011 Date of Notification:

Time of Release/Event:

Time of Notification:

VODI Project Contact:

Environmental Officer S. Veenstra

P: 0749752243

M: 0487301533

Rolease / Event Details

E: vsi@vodi.com.au

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

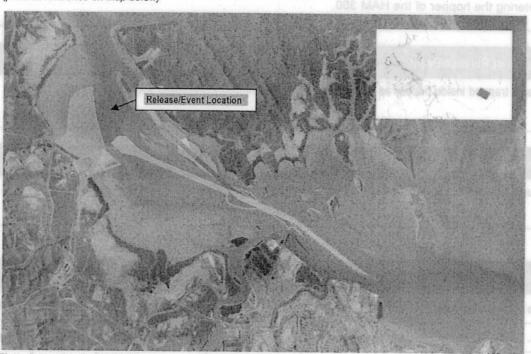


Figure 1: Location of release/event.

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



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

Release / Event Details

Detailed Description of Release/Event

On Tuesday 30th 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

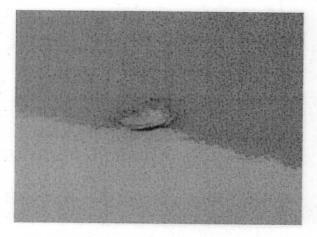
| No | Action/s Taken | Responsible Person | Due Date / Status |
|----|--|--|-------------------|
| 1. | Turtle was recovered and handed over to GPC representative | Bernie Manston (Vessel Master) | Successful |
| 2. | | Jeniela este a la calificación de la calificación d | Figure 4: |
| 3. | otals and ET | | |
| 4. | Floori office (4971 | ollution Hotline (1300 130 372) builded of celegraphycest? | EPA's P |

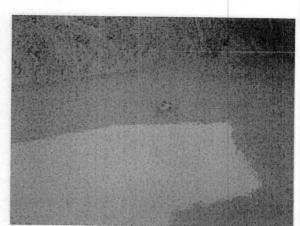
Results of Sampling (if applicable) Performed in Relation to the Release/Event

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

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.

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













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 decessed prior entering the hopper of the HAM 350.

| Due Date | | | | |
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VAN OORD - DREDGING INTERNATIONAL JOINT VENTURE

PO Box 1399 Gladstone Qld, 4680

ENVIRONMENTAL INCIDENT REPORT

WESTERN BASIN DREDGING AND DISPOSAL PROJECT

Incident No. 002 & Oil Spillage BHD Big Boss

5th of July 2011

Revision No. 0

No:

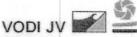
36.3144/TRA/4.2/264 8/07/2011

Date:

TRANSMITTAL



| Page: | 1of 1 | | P.O. Box 1399 Gladstone QLD 4680 | | VOD | IJV |
|-----------------------------------|--------------------------|--|-------------------------------------|--|--------------|----------|
| PROJECT | - | CS110010 Western Basin Main Works [| Oredging – Parcel 5 | | | |
| ADRESSE | ED TO: | To: Peter O'Sullivan Cc: Michel de Vos, Mick Jorgens | on, GPC Document Con | | gpcl.com.au) | |
| PURPOSE TRANSMI | | For Information | MA CHIWGDY | IU VIGAU NA: | 31938 | |
| SUBJECT | | Contract CS110010 - Wes Environmental Incident Re | | s Dredging - Parcel 5 - | Inciden | |
| DATA ID: | | | | | | |
| Items: | ld: | | Description | | Hardcopy S | Softcopy |
| 1 2 | Incident Report No. | | Oil Spillage BHD Raze | ende Bol Boss | 3 3 | 1 1 |
| Prepared t Signed for Name: | oy: VODI JV Nico Billiet | Line Corfixen | Please con sending ba Name: | firm arrival by dating, signi ck a copy | ing, and | |
| Date: Signature: | 8/07/2011 | | Date: Signature: | | | |
| GPC Com | ments: | | | | | |
| Action: | | Approved (Code 1) Not Approved (Code 3) |] | Revise and Resubmi | | |
| Signature: | | Name: | | Date: | (5000-4) | |
| | | | | | | |



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

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: (pictorial reference on map below)

Area APLNG area E3a



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



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

| VAN OORD - DREDGING INTERNATIONAL JOIN | TVENTURE |
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|------|----------------|----|----------------|----------------------|
| CAL | ~ 3 | 00 | 0000 | Event |
| wall | OH: | | 1-1-1-1- | |

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.

| | ···· | | |
|-------|---|----------------------------|----------------------|
| 1. | Execution of Oil Spill Response and Contingency Plan | Ky Hallinan (1st Operator) | Successful |
| 2. | Contain oil on deck of the barge | Ky Hallinan (1st Operator) | Partially successful |
| 3. | Launch of oil absorbing boom to contain spilled oil | Ky Hallinan (1st Operator) | Successful |
| 4. | Clean up of oil by means of absorbing boom from water surface | Ky Hallinan (1st Operator) | Successful |
| Resul | Its of Sampling (if applicable) Performed in Relation | n to the Release/Event | ASSEMBLE OF |

| 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. | Yes, date: | | |
| 4. | S Gladstone Herbour Control Pol | Thevelopselen to | 6500) not fied |