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January 23, 2012

Mr. Eric Theriault  
Advisor, Environmental Affairs  
Canada-Nova Scotia Offshore Petroleum Board  
6th Floor, TD Centre  
1791 Barrington Street  
Halifax, Nova Scotia B3J 3K9

Dear Mr. Theriault:

**Re: Deep Panuke Offshore Gas Development  
Condition 24: Fisheries Liaison Program – 2011 OGOP Reports**

CNSOPB Rec'd	
Date:	JAN 23 2012
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Please find attached the final reports from Encana's fisheries liaison contractor, Oil and Gas Observer Program (OGOP), for Encana's 2011 offshore programs, including the following:

- 2011 Umbilical Laying and Trenching (observer on the Acergy Falcon);
- 2011 Rock Placement Program (observer on the Tideway Rollingstone); and
- 2011 PFC tow (observer on the tugboat Fairmount Expedition).

Encana requests that the CNSOPB post these reports on their Environmental Registry.

Bird observations collected by fisheries observers during these programs according to the CWS protocol have been submitted directly to Environment Canada.

If you have questions, please contact me at (902) 492-5444.

Yours truly,  
Encana Corporation

**Jeff Hurley**  
EHSQ Manager  
Deep Panuke Project

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## OGOP Oil and Gas Observer Program Canada

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To: Marielle Thillet, Environmental Lead, Deep Panuke Project,  
Encana Corporation  
From: John Salisbury, Manager, OGOP  
Date: August 11, 2011  
Re: Deep Panuke Production Field Centre Tow Program –  
Final Report by John Salisbury

The Deep Panuke Production Field Centre (PFC) Tow Program in 2011 consisted of towing the PFC from the Mulgrave area to its final location in the Deep Panuke field. The OGOP Observer program started with deployment to Mulgrave on July 21, 2011 and concluded with demobilization on July 26, 2011. The PFC Tow took place from 11:30 on July 22<sup>nd</sup> to 20:00 on July 24<sup>th</sup> at which time the PFC was on location.



OGOP deployed Fisheries Liaison Officer Lindsay Williams for this program. There was one trip rotation. Due to space limitations aboard the PFC and other considerations, observer deployment was aboard the Fairmount Expedition, one of several tugs and supply/standby vessels escorting the PFC to the field.

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## OGOP Oil and Gas Observer Program Canada

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Deep Panuke Production Field Centre (PFC) Tow Program –  
Final Report by John Salsbury  
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The OGOP fisheries observer reported being treated professionally and with respect during this work.

There were no fishing boats observed during this program. There were a few seabird sightings, including Great Black-backed Gull and Herring Gull. Additional information on wildlife observations (including coordinates) have been recorded on separate marine mammal records of sightings and bird observation reports transmitted to Encana.

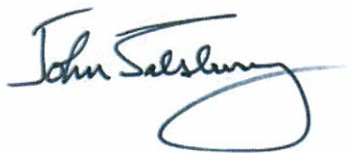
A total of eight marine mammal sighting reports were filed by the observer during this program. These are shown in the following table.

Date	Obs #	Details
July 23	1	Two adult humpback whales swimming slowly East
July 23	2	Four adult common bottlenose dolphins jumping while moving East
July 24	1	One adult fin whale swimming fast to East
July 24	2	Two adult humpback whales swimming slowly East
July 25	1	Three adult minke whales feeding
July 25	2	One adult minke whale feeding
July 25	3	Four adult and one juvenile pilot whales swimming slowly West
July 25	4	Ten adult and two juvenile common dolphins feeding

The PFC is on location at approximately Latitude 43° 48 N and Longitude 60° 41 W.

We appreciate the opportunity to have been of service to Encana on this Production Field Centre Tow program component of the Deep Panuke project.

August 11, 2011



John Salsbury



## OGOP Oil and Gas Observer Program Canada

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To: Marielle Thillet, Environmental Lead, Deep Panuke Project,  
Encana Corporation  
From: John Salsbury, Manager, OGOP  
Date: August 11, 2011  
Re: Deep Panuke Rock Placement Program –  
Final Report by John Salsbury

The Deep Panuke 2011 Rock Placement Program consisted of placing rock on certain portions of the infield flowlines, the Production Field Centre (PFC) footings, and the main gas export pipeline from the PFC to the mainland. The OGOP Observer program started with deployment to Mulgrave on July 18, 2011 and concluded with demobilization on August 6, 2011.



OGOP deployed Fisheries Liaison Officer Charles Swim for this program. There was one trip rotation with several runs from the field to shore to pick up additional supplies of rock. Observer deployment was aboard the M/V Rollingstone (pictured above). The OGOP fisheries observer reported being treated professionally and with respect during this work.

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## OGOP Oil and Gas Observer Program Canada

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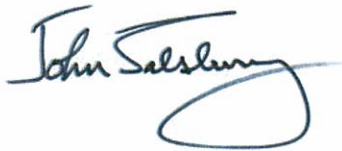
Deep Panuke Rock Placement Program –  
Final Report by John Salsbury  
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There was contact with one fishing boat during this program. The fishing vessel did not respond to attempts to contact it and the Rollingsstone operations ceased until the fishing vessel departed the area. There were a large number of seabird sightings, including Great Black-backed Gull, Greater Shearwater, Herring Gull, Northern Fulmar, Northern Gannet, and Sooty Shearwater. Sightings included birds tagged by researchers sponsored by Encana (see photo below). Additional information on wildlife observations (including coordinates) have been recorded on separate marine mammal records of sightings and bird observation reports transmitted to Encana.. A total of twelve marine mammal sighting reports were filed by the observer during this program. These are shown in the following table.

Date	Obs #	Details
July 24	1	Six adult and two juvenile pilot whales swimming fast
July 25	1	Three adult and one juvenile pilot whale swimming fast
July 25	2	One adult minke whale swimming fast
July 26	1	One adult minke whale swimming fast
July 27	1	One adult minke whale swimming fast
July 29	1	One adult minke whale swimming fast
July 30	1	One probable adult minke whale swimming fast
July 30	2	One probable adult minke whale feeding
July 31	1	One adult minke whale acting curious around vessel
July 31	2	One adult minke whale swimming fast
Aug 2	1	Nine adult and six juvenile common dolphins bow riding and swimming fast
Aug 2	2	Four adult and two juvenile pilot whales swimming slowly and resting

We appreciate the opportunity to have been of service to Encana on this Rock Placement program component of the Deep Panuke project.

August 11, 2011



John Salsbury

