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Encana Reference: DM-CR-EH-11-0011/5424DM

February 15, 2011

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**

CNSOPB Rec'd Date: FEB 15 2011
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Orig to file <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Please find attached the final reports from Encana's fisheries liaison contractor, Oil and Gas Observer Program (OGOP), for the following programs:

- 2009 Gas Export Pipeline Installation Program (observers on MV Manta III, support vessel to the pipelay vessel Lorelay, and trenching vessel Calamity Jane, respectively)
- 2010 Flowline Installation Program (observers on trenching vessel Deep Cygnus)
- 2010 Drilling and Completion Program (observers on support vessels to the RGIII)

OGOP's final report for the Deep Panuke Wellhead Protection Structure Installation Program, which took place during the first two weeks of July 2009, was submitted to the CNSOPB via email on November 17, 2009.

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

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

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Mr. Eric Theriault, CNSOPB
February 15, 2011

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If you have questions, please contact me at (902) 492-5437.

Yours truly,
Encana Corporation



For - Jeff Hurley
EHSQ Manager
Deep Panuke Project

/mt

OGOP Oil and Gas Observer Program Canada

To: Marielle Thillet, Environmental Lead, Deep Panuke Project,
Encana Corporation
From: John Salsbury, Manager, OGOP
Date: February 7, 2011
Re: Deep Panuke Drilling and Completion Program –
Final Report by John Salsbury

The Deep Panuke Drilling Program in 2009 and 2010 consisted of drilling or re-completion of the five production wells that comprise Deep Panuke. The OGOP Observer program started on December 13, 2009 and concluded on September 25, 2010.

OGOP deployed Charles Swim, Eugene Sears, and Lindsay Williams for this program. The following table presents an overview of the 118 observer days deployed, by trip rotation:

Rotation	Observer	Dates	# of Days
1	Charles Swim	December 13 - 19, 2009	7
2	Charles Swim	December 22 - 29, 2009	8
3	Charles Swim	March 29 - April 4, 2010	7
4	Eugene Sears	April 8 - 28, 2010	21
5	Eugene Sears	June 8 - 27, 2010	19
6	Charles Swim	July 16 - August 9, 2010	25
7	Lindsay Williams	August 26 - September 25, 2010	31
			118

Due to space limitations aboard the Rowan Gorilla III, all observer deployment was aboard supply ships and/or standby vessels serving the RGIII drilling program.

The first rotation dealt with towing the RGIII from Halifax into its first well position. The sixth and seventh rotations included a rig move between wells as well as drilling activity. The remainder of the activity was drilling. During the seventh rotation, Hurricanes Earl and Igor passed. The RGIII was evacuated for Hurricane Earl but not for Igor.

There were no fishing boats observed during this program.

There were a large number of seabird sightings.

All OGOP fisheries observers were treated professionally and with respect during this work.

Various reports have been transmitted to Encana.

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Final Report by John Salsbury
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A total of fifteen marine mammal sighting reports were filed by the observers during this program. As shown in the following table, these sightings were concentrated in the summer months.

Rotation	# MMO	Dates	Details
1	0	-	-
2	0	-	-
3	0	-	-
4	2	April 14 2010	One dolphin; swimming
		April 20 2010	One minke whale (probable)
5	1	June 10 2010	One pilot whale; swimming
6	12	July 24 2010	One minke whale; swimming at moderate speed
		July 25 2010	Two minke whales (one adult and one juvenile)
		July 26 2010	One minke whale; swimming fast
		July 28 2010	Six pilot whales (four adults and two juveniles)
		July 31 2010 # 1	One minke whale; swimming fast
		July 31 2010 # 2	One minke whale; swimming fast
		August 4 2010 # 1	Two fin whales; swimming fast
		August 4 2010 # 2	One minke whale; swimming fast
		August 5 2010	Four pilot whales; feeding ?
		August 7 2010 # 1	One minke whale; swimming fast
		August 7 2010 # 2	3 pilot whales (two adults and one juvenile)
		August 8 2010	One minke whale; swimming fast
7	0	-	-

We appreciate the opportunity to have been of service to Encana on this drilling and completion program component of the Deep Panuke project.

February 7, 2011
John Salsbury

OGOP Oil and Gas Observer Program Canada

To: Marielle Thillet, Environmental Lead, Deep Panuke Project,
Encana Corporation
From: John Salsbury, OGOP Manager
Date: October 2, 2010
Re: Deep Panuke Flowline Installation Program –
Final report by Eugene Sears

I boarded the M/V Deep Cygnus on Tuesday August 31, 2010 as OGOP Offshore Fisheries Observer to monitor the marine mammals as well as other wildlife and birds during the Flowline Installation program of the Deep Panuke project. The Deep Cygnus is a very nice ship with crew from different parts of the world.

The Deep Cygnus sailed to the Deep Panuke Project off Sable Island where the RG III was working. The work involved trenching and pressure testing the five flowlines which will connect the wellhead locations to the production platform.

There was some down time experienced due to weather, but with a few extra days the job was done.

There were no major mishaps or accidents.

No commercial fishing vessels were encountered during the work. Some fishing gear was observed enroute to and from Halifax. There were no interactions with fishing activity.

The following marine mammals were observed: Shark - 1; Tuna - 2; Unknown Dolphin - 2; and Atlantic white-sided dolphin - 5.

There were a number of sea birds observed including Herring Gull (178), Greater Shearwater (291), Great black-backed Gull (286), and Black-legged Kittiwake (109). As well, there was one Unknown Bird, two Unknown Storm-Petrels, one Unknown Sparrow, and two possible Caspian Terns as well as flocks of mixed birds; count unknown.

The crew was great to work with as they had a very high emphasis on safety and hygiene.

Demobilization took place when the vessel arrived in port on Saturday October 2, 2010.

October 2, 2010
Eugene Sears

OGOP Oil and Gas Observer Program Canada

To: Marielle Thillet, Environmental Lead, Deep Panuke Project,
EnCana Corporation
From: John Salsbury, Manager, OGOP
Date: February 1, 2010
Re: Pipe Lay Program (Allseas Lorelay) &
Pipe Trench Program (Allseas Calamity Jane)

This Deep Panuke program consisted of a Pipe Laying program (Allseas Lorelay) and a Pipe Trenching program (Allseas Calamity Jane using Digging Donald). The OGOP Observer program started on July 14, 2009 and concluded on November 28, 2009.

The following table presents an overview of observer deployment, by days and program:

# of days:	July	Aug	Sep	Oct	Nov	Total:
Pipelaying	23	12	18	6	0	59
Pipe Trench	0	1	29	21	25	76
Total:	23	13	47	27	25	135

OGOP deployed Eugene Sears and Charles Swim for this program. 100 % of Eugene Sears' deployment was on the pipe laying program and Charles Swim was deployed for one rotation on the pipe laying program and 100 % of the pipe trenching program. Eugene Sears spent most if not all his time aboard the M/V Manta, a support vessel for the pipe lay vessel M/V Allseas Lorelay. Charles Swim spent most of his time aboard the pipe trench vessel M/V Allseas Calamity Jane.

There were no fishing boats and only a minor amount of fishing gear encountered during this program.

There were a number of seabird sightings, especially during the times the pipe laying and pipe trenching activity was close to shore. There were a large number of seabird incidents reported. We are unable to explain this unusual number of seabird incidents but believe it has to do with the size of these platforms, proximity to land, and flight paths.

Eighteen marine mammal sighting reports were filed by the observers.

Both OGOP offshore fisheries observers were treated professionally and with respect during this work.

Various reports have been transmitted to EnCana.

We appreciate the opportunity to have been of service to EnCana on the Deep Panuke project.