

**Question On Notice No. 5960** asked in the **Legislative Council** on **27 February 2008** by **Hon Giz Watson**

Question Directed to the: **Leader of the House representing the Minister for Resources**  
Minister responding: **Hon F.M. Logan**  
Parliament: **37** Session: **1**

**Question**

With regard to formation waters produced from off shore facilities and the requirements of section 50 of the *Offshore Petroleum Act 2006* and the Minister and DoIR being the designated authority to run the offshore oil and gas industry in Commonwealth waters off the Western Australian coast and Section 407 and 408 Direction to keep records. Offshore petroleum operators required to give records to a designated authority, I ask -

(1) Can the Minister provide detailed information on waste waters (total produced formation waters) discharged into the ocean in 2005/2006 from all the production platforms around the North West coast of Australia, including the following –

**(a) Timor Sea producing platforms, feeding Darwin (off North Kimberley Coast) which includes -**

- |   |                       |
|---|-----------------------|
| (i) Puffin;   | (v) Bayu Undan;       |
| (ii) Jabiru;  | (vi) Buffalo; and     |
| (iii) Challis/Cassini;  | (vii) Laminaria East? |
| (iv) Blacktip (Bonaparte Basin – close to Kimberley Coast near Berkeley); |                       |

**(b) Pilbara producing platforms which includes -**

- |                            |  |
|----------------------------|--|
| (i) Mutineer;              | (xxv) Skate;                                     |
| (ii) Exeter;               | (xxvi) Roller;                                   |
| (iii) Hermes;              | (xxvii) Novara;                                  |
| (iv) Lambert;              | (xxviii) Enfield;                                |
| (v) Angel;                 | (xxix) Vincent;                                  |
| (vi) Cossack;              | (xxx) Eskdale;                                   |
| (vii) Wanaea;              | (xxxi) Skybarrow;                                |
| (viii) Legendre North;     | (xxxii) Campbell;                                |
| (ix) Legendre South;       | (xxxiii) Wonnich;                                |
| (x) Wandoo;                | (xxxiv) Endymion/Sinbad;                         |
| (xi) Stag;                 | (xxxv) Bambra;                                   |
| (xii) North Rankin;        | (xxxvi) Linda;                                   |
| (xiii) Perseus;            | (xxxvii) Harriet;                                |
| (xiv) Echo/Yodel;          | (xxxviii) Gudrun;                                |
| (xv) Goodwyn South/Pueblo; | (xxxix) Lee/Rose;                                |
| (xvi) John Brookes;        | (xl) North Alkimos;                              |
| (xvii) East Spar;          | (xli) Agincourt;                                 |
| (xviii) Woollybutt;        | (xlii) Gipsy;                                    |
| (xix) Chinook/Scindian;    | (xliii) Monet/Simpson/Tanami;                    |
| (xx) Griffin;              | (xliv) S. Plato;                                 |
| (xxi) Yammaderry;          | (xlv) Little Sandy/Pedirka/North Pedirka/Hoover; |
| (xxii) Cowle;              | (xlvi) Victoria; and                             |
| (xxiii) Crest;             | (xlvii) Double Island?                           |
| (xxiv) Saladin;            |  |

(2) What is the total volume of waste water discharged per year?

(3) What is the breakdown and concentration of National Pollution Inventory (NPI) substances in the formation water (mg/L)?

(4) What is the mass of NPI substances emitted from each platform in 2005/2006 (kg/year)?

(5) Section 52 Delegations, delegates the authority to a person. Will the Minister identify that person?

(6) If not to (5), why not?

**Answered on 1 April 2008**

**The Minister for Resources has been provided with the following response:**

(1) Offshore petroleum operations are not currently administered under the *Offshore Petroleum Act 2006* (as mentioned in the question), as the instrument has not yet commenced.

Offshore petroleum operations occurring in State Waters are regulated under the *Petroleum Submerged Lands Act 1982* (PSLA 1982) and *Petroleum Act 1967* (PA 1967) and Commonwealth Water activities are regulated under the *Petroleum Submerged Lands Act 1967* (PSLA 1967). The Department of Industry and Resources (DoIR) is responsible for regulating upstream petroleum operations, under both acts.

Under these acts, it is required that a monthly production report be provided to DoIR, detailing total quantities of produced formation water (PFW), hydrocarbon and gas produced. This is a requirement under Clause 652 of the *Petroleum (Submerged Lands) Acts Schedule - Specific Requirements As To Offshore Petroleum Exploration and Production 1995* (Offshore Schedule).

The only facility located in State Waters which does discharge PFW overboard is the Harriet Alpha platform. All other State offshore operations mentioned in the question re-inject the water into deep underground formations. All other facilities mentioned in the question are located in Commonwealth Waters and a number of those are not in Western Australian jurisdiction.

Volumes of PFW discharged into the ocean for financial year 2005/2006 from facilities mentioned are provided in Table 1 below. Please note the clarifications provided:

Question on Notice Reference	Actual Discharge Location / Status	Total PFW Volume (KL)
(a) Timor Sea		
(i) to (v) & (vii)	These listed facilities are in the Territory of Ashmore & Cartier Islands and the Joint Petroleum Development Area jurisdictions. The Northern Territories Government should be contacted for the relevant data.	N/A
(vi) Buffalo	Decommissioned in March 2005	-
(b) Pilbara		
(i) Mutineer, (ii) Exeter	Venture 11 FPSO	1371147.01
(iii) Hermes, (iv) Lambert, (v) Cossack, (vii) Wanaea	Cossack Pioneer FPSO	1246728.00
(v) Angel	Not yet operating	-
(viii) Legendre North, (ix) Legendre South	Legendre Platform	3011972.00
(x) Wandoo	Wandoo B Platform	7308672.82
(xi) Stag	Stag Platform	1536533.00
(xii) North Rankin, (xiii) Perseus	North Rankin A Platform	99550.00
(xv) Goodwyn South/Pueblo	Not a known facility/field name	-
(xv replacement) Goodwyn Alpha, (xiv) Echo Yodel	Goodwyn A Platform	199363.00
(xvi) John Brookes	All formation water is re-injected	-
(xvii) East Spar	All formation water is re-injected	-
(xvii) Woollybutt	Four Vanguard FPSO	1542244.00
(xix) Chinook/Scindian, (xx) Griffin	Griffin Venture FPSO	3567653

(xxi) Yammadery, (xxii) Cowle, (xxiii) Crest, (xxiv) Saladin, (xxv) Skate, (xxvi) Roller	All formation water is re-injected	-
(xxvii) Novara	Non-producing well	-
(xxviii) Enfield	Was not Producing in 2005/06 - Is now re-injecting	-
(xxix) Vincent	Not yet operating - Will re-inject	-
(xxx) Eskdale, (xxxi) Stybarrow	Was not Producing in 2005/06 - Is now re-injecting	-
(xxxii) Campbell, (xxxiii) Wonnich, (xxxiv) Endymion/Sinbad, (xxxv) Bambra, (xxxv) Bambra, (xxxvii) Harriet, (xxxix) Lee/Rose, (xl) North Alkimos, (xli) Angincourt, (xlii) Gipsy, (xliii) Monet/Simpson/Tanami, (xliv) S. Plato, (xlvi) Victoria, (xlvii) Double Island	All formation water is re-injected	-
(xxxvii) Harriet	Harriet Alpha Platform	2003447
(xxxviii) Gudrun	Non-producing well	-
(xlv) Little Sandy/Pedirka/North Pedirka/Hoover	Non-producing well	-
TOTAL		21887309.83

(2) The total volume of PFW discharged per year varies. The total volume of PFW discharged offshore Western Australia during financial year 2005/2006 for the facilities listed in Question 1 was 21,887,310 KL.

(3) The breakdown and concentration of NPI substances in the PFW will vary from facility to facility. NPI reports are not submitted to DoIR as the NPI is administered by the Federal Department of Environment Water, Heritage and the Arts (DEWHA). The NPI data is publicly available on [www.npi.gov.au](http://www.npi.gov.au).

(4) The mass of NPI substances emitted in PFW will vary from facility to facility. NPI reports are not submitted to DoIR as the NPI is administered by the DEWHA. The NPI data is publicly available on [www.npi.gov.au](http://www.npi.gov.au).

(5) Ministerial authority for PSLA 82 and PSLA 67 has been delegated to Mr William L Tinapple, Director of the Petroleum and Royalties Division at DoIR.

(6) Not applicable.