Commonwealth of Australia Gazette

Published by the Commonwealth of Australia

GOVERNMENT NOTICES

COMMONWEALTH OF AUSTRALIA

Section 708
Offshore Petroleum and Greenhouse Gas Storage Act 2006

APPLICATION FOR GRANT OF A PIPELINE LICENCE – SPARTAN

I, **GRAEME ALBERT WATERS**, the National Offshore Petroleum Titles Administrator, on behalf of the Commonwealth–Western Australia Offshore Petroleum Joint Authority hereby give notice pursuant to section 708 of the *Offshore Petroleum and Greenhouse Gas Storage Act 2006* that an application has been received from

Santos WA Southwest Pty Limited
(ACN 050 611 688)

Santos (BOL) Pty Lt
(ACN 000 670 575)

for the grant of a pipeline licence for the conveyance of petroleum in the offshore area of Western Australia, as set out below.

A person may make a written submission to the Titles Administrator about this application within 30 days from the date of this notice.

This notice takes effect on the day in which it appears in the *Australian Government Gazette.*

Made under the *Offshore Petroleum and Greenhouse Gas Storage Act 2006* of the Commonwealth of Australia.

GRAEME ALBERT WATERS
TITLES ADMINISTRATOR
ON BEHALF OF THE COMMONWEALTH-WESTERN AUSTRALIA
OFFSHORE PETROLEUM JOINT AUTHORITY

ROUTE OF THE PIPELINE

The pipeline route is described in the table hereunder and displaced in the attached map (**Attachment A**), commencing at the diverless connector on the gooseneck assembly downstream of the Spartan XT hub to the upstream flange on end of flexible at interface to topside shut down flange on the John Brookes Platform.

Feature ID	Feature Name	KP	Easting (mE)	Northing (mN)	Bend Radius
1	Diverless connector on the gooseneck assembly downstream of the Spartan XT hub		317 337.26	7 728 381.00	
2	TP1A	0.023	317 312.17	7 728 381.00	
3	IP1		317 291.31	7 728 381.00	50.00
4	TP1B	0.063	317 276.64	7 728 395.82	
5	TP2A	3.859	314 605.87	7 731 093.11	
6	IP2		314 526.03	7 731 173.75	1000.00
7	TP2B	4.085	314 430.15	7 731 234.44	
8	TP3A	13.841	306 186.38	7 736 453.01	
9	IP3		306 010.15	7 736 564.57	1130.00
10	TP3B	14.254	305 885.36	7 736 731.68	
11	TP4A	14.943	305 472.80	7 737 284.16	
12	IP4		305 186.66	7 737 667.36	1200.00
13	TP4B	15.853	304 715.38	7 737 748.69	
14	Upstream flange on end of flexible at interface to topside shut down flange on the John Brookes Platform		303 895.34	7 737 890.25	

Coordinates are based on the GDA94 Geodetic datum, MGA Zone 50

SPECIFICATIONS

Design and Construction

The offshore pipeline will be designed and constructed in accordance with the following design codes and standards:

Document Number	Title
API 17J	Specification for Unbonded Flexible Pipe
API RP 17B	Recommended Practice for Flexible Pipe
API 17N	Recommended Practise for Subsea Production System Reliability, Technical Risk & Integrity Management
API Spec 17L1	Specification for Flexible Pipe Ancillary Equipment
API RP 17L2	Recommended practice for flexible pipe ancillary equipment
API Technical Report 17TR1	Evaluation Standard for Internal Pressure Sheath Polymers for High Temperature Flexible Pipes
API Technical Report 17TR2	The Ageing of PA-12 in Flexible Pipes
API Specification 6A	Specification for Wellhead and Christmas Tree Equipment
DNVGL-RP-B401	Cathodic Protection Design
DNVGL-RP-F103	Cathodic Protection of Submarine Pipelines by Galvanic Anodes
DNVGL-RP-F109	On-Bottom Stability Design of Submarine Pipelines
EN 10204	Metallic Products-Type of Inspection Documents
DNVGL-RP-F112	Design of duplex stainless-steel subsea equipment exposed to cathodic protection
DNVGL-RP-O501	Managing sand protection and erosion

Basis of Design

The pipeline design is based on the following parameters:

Item	Item Description	Details
1	Outside diameter of pipe and riser	XT Connector (Gooseneck Pipe): 7.38” (187.5 mm) HOT Section: 263.92 mm MID/COLD Sections: 264.51 mm
2	Wall thickness of pipe inclusive of riser (only for carbon steel)	XT Connector: Gooseneck Pipe 1” (25.4 mm) Internal Cladding Inconel 625, 0.125” (3.2 mm) min thickness HOT Section: 30.36 mm MID/COLD Sections: 30.66 mm
3	Length	16.7 km (approximate)
4	Design life	20 years (approximate)
5	Pipeline Material	Flexible steel
6	Pipeline and Riser Steel Grade	XT Connector – Gooseneck Pipe: Steel API 5L X70 HOT/MID/COLD Section Carcass Material: Duplex Stainless Steel
7	Pipeline Specification	XT Connector – Gooseneck Pipe: API 5L X70 HOT/MID/COLD Sections: Duplex Stainless Steel carcass
8	Minimum yield strength of pipe steel	XT Connector – Gooseneck Pipe: 70 ksi HOT/MID/COLD Section: N/A

<table>
<tr><td>9</td><td>Maximum Allowable Operating Pressure</td><td>22.5 MPa</td></tr>
<tr><td>10</td><td>Design Capacity</td><td>102 MMscf/d</td></tr>
<tr><td>11</td><td>Minimum/ Maximum Design Temperature</td><td>
<table>
<tr><td>XT Connector (Gooseneck & Connector)</td><td>HOT Section</td><td>MID Section</td><td>COLD Section</td></tr>
<tr><td>Min: -18 °C</td><td>Min: -18 °C</td><td>Min: -18 °C</td><td>Min: -18 °C</td></tr>
<tr><td>Max: 121 °C</td><td>Max: 120 °C</td><td>Max: 80 °C</td><td>Max: 60 °C</td></tr>
</table>
</td></tr>
<tr><td>12</td><td>Operating Temperature</td><td>Maximum: 115 °C
Minimum: 0 °C</td></tr>
<tr><td>13</td><td>Characteristics of substance proposed to be conveyed</td><td>The production fluid is a combination of gas, condensate and water.</td></tr>
<tr><td>13</td><td>General plans and descriptions of pump stations, tank stations or valve stations and their equipment</td><td>N/A</td></tr>
<tr><td>14</td><td>General plans and description of pigging facilities</td><td>N/A</td></tr>
<tr><td>15</td><td>Cathodic protection</td><td>Cathodic protection at XT Connector provided by XT. Bracelet anodes at each midline connection and end connections.</td></tr>
<tr><td>16</td><td>Stabilisation</td><td>Concrete stabilisation mattresses</td></tr>
</table>

Attachment A