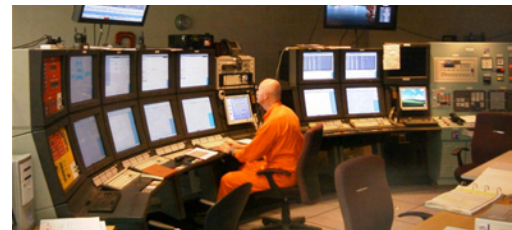


Nganhurra

FPSO



Fact Sheet



Overview

The *Nganhurra* floating production storage and offloading (FPSO) facility is the first oil production facility in the deep waters off North West Cape.

The *Nganhurra* is operated by Woodside Energy Ltd., Australia's largest publicly traded oil and gas exploration and production company. *Nganhurra* is the newest of Woodside's oil production facilities and has been designed specifically for operation off North West Cape.

Oil is produced from the Enfield oil field, production started in July 2006. The Enfield oil field was discovered by Woodside in 1999 and followed the discovery of the Vincent field in 1998, which was the first major offshore oil discovery in the region.

Location

Enfield is in Commonwealth waters in production licence WA-28-L. The joint venture participants for this permit are Woodside Energy Ltd. (60% and operator) and Mitsui E&P Australia Limited (40%).

Nganhurra is about 38km north of North West Cape, about 50km north of Exmouth and about 20km north of the Commonwealth boundary of the Ningaloo Marine Park. The water depth is about 390m.

Meaning of *Nganhurra*

While the land and waters of the North West Cape area are recognised as traditionally belonging to the Thalanyji Aboriginal people, the name *Nganhurra* comes from the neighbouring Baiyungu language. *Nganhurra* means "we all", out of respect for current and past Elders.

Nganhurra is pronounced "nyun-goo-rah".

Operations

Nganhurra is a FPSO facility, which is a ship-like facility designed to produce oil on board for loading direct to oil tankers.

Woodside underwent stringent risk assessment for the design, construction, installation and operation of the FPSO.

This was supported by extensive environmental studies and stakeholder consultation in Perth and Exmouth to take account of government, industry and community views on the environmental, cultural and social values of the North West Cape area.

This feedback has seen the development of a world-class oil production facility, with features that have set the standard for projects to follow, including the development of the nearby Stybarrow and Vincent oil fields.

During normal operations, oil, water and gas are extracted from beneath the sea bed and piped to the *Nganhurra* for separation and

treatment. Gas and water are reinjected into the reservoir for environmental reasons. Oil is stored in cargo tanks, located inside the vessels double hull.

Initially, four to five cargoes a month will be loaded to tankers via a retractable hose reel at the stern of the FPSO. The offloading frequency will reduce over time in line with the natural decline of the oil resource.

It is anticipated that the vessel will be on-station at the Enfield location for 12 years. It may disconnect from its mooring and sail away in the event of harsh weather, such as cyclones. *Nganhurra* has a speed of 12 knots should it need to leave station.

Operations at Enfield are governed by Australian Government-approved environment plans, which are designed to protect all aspects of the environment.

Community and government feedback has seen the development of a world class oil production facility, setting the standard for others to follow.



Facts about *Nganhurra*

Operator	Woodside Energy Ltd.
Owners	Woodside Energy Ltd. and Mitsui E&P Australia Limited
Shipbuilder	Samsung Heavy Industries
FPSO	
Length	260 metres
Width	46 metres
Draft	18.2 metres
Vessel deadweight	142,000 tonnes
Height (from deck to flare tip)	60 metres
Main engines	Diesel
Mooring lines	Nine mooring lines, each connected to a 12 tonne anchor
Hull	Double skinned, disconnectable
Production	
Topside processing system	10,000 tonnes
Process capacity	100,000 barrels of oil a day
Storage	900,000 barrels of oil in five pairs of cargo tanks
Oil production wells	Five
Water reinjection wells	Six
Gas reinjection wells	Two
People	
Crew	About 20 people during normal operations
Crew rosters	Three-weeks-on, three-weeks-off
Crew changes	By helicopter from Learmonth airport
Supply of stores and equipment	By boat from King Bay, Dampier
Crew facilities	Gymnasium, library, cinema, games room

Working at Woodside

Woodside Energy Ltd. has a portfolio of exploration interests, development opportunities, projects and operating assets in 11 countries spanning four continents. Woodside's headquarters are in Perth, Western Australia.

Woodside employs more than 3400 people in a range of areas, including health, safety, environment, engineering, commercial, business support, geology/geophysics, operations and project development.

Woodside is an Equal Opportunity employer and is currently seeking experienced and motivated people to work as:

- Operations managers
- Operators
- Superintendents
- Instrument/electrical technicians
- Engineers
- Mechanical technicians

Woodside also offers opportunities for employment through its:

- Graduate program (annual applications - March / April)
- Vacation work program (annual applications - July / August)
- Offshore apprenticeship and traineeship program (annual applications - August)

For more information about working at Woodside please visit the careers section at www.woodside.com.au. For job applications please visit www.woodsidehiringnow.com

Woodside and the Environment

Woodside has more than 10 years experience in operating floating, production storage and offloading facilities on the North West Shelf and in the Timor Sea.

Woodside pursues a policy of continual improvement and works closely with State and Commonwealth environmental agencies.

In eight years of active exploration, appraisal and development activities off North West Cape, there have been no incidents that have resulted in environmental damage to offshore habitats or to the Ningaloo Reef.

More Information

For information about Woodside's oil and gas activities off North West Cape contact Tony Johnson on 08 9348 5034.

For information about becoming a Woodside community partner in Exmouth contact Violeta Taneska on 08 9348 6146.

For information about employment at Woodside go to www.woodside.com.au/careers



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