

Press release

Ede, The Netherlands – September 20, 2016

Veolia delivers MPPE[®] water treatment unit for Ichthys LNG Project FPSO



Veolia's MPPE[®] unit will be used to treat the gas/condensate produced water stream on the Ichthys LNG Project's floating production storage and offloading facility (FPSO). The MPPE[®] unit will remove dissolved and dispersed toxic constituents like aromatic (BTEX), polyaromatic hydrocarbons (PAHs) and oil, resulting in a Zero Harmful Discharge to the environment.

The ± 450 ton MPPE[®] module unit (19,1x16,5x18,2 meter), containing two parallel MPPE[®] units, has been successfully loaded to Korea and placed on the FPSO.

The INPEX-operated Ichthys LNG Project will involve offshore preliminary processing of gas from the Ichthys Field to remove water and extract condensate before being transported to onshore LNG processing facilities in Darwin via an 890 km pipeline. Most condensate will be sent to an in-field FPSO from which it will be shipped to market. The Ichthys LNG Project is expected to produce up to 8.9 million tons of LNG and 1.6 million tons of LPG per annum, along with approximately 100,000 barrels of condensate per day at peak.

During the production of gas and condensate, formation and dehydration water is co-produced containing toxic dissolved and dispersed aromatics, aliphatics and polyaromatic hydrocarbons. The MPPE[®] technology is able to remove all of these toxic compounds securely and in a single process to comply with the strictest requirements for Zero Harmful Discharge. The two fully automated MPPE[®] units are delivered in one module.

The MPPE[®] unit was designed and built following the highest offshore standards and is designed for an operational lifetime of 40 years. It fulfills the present and future health, safety, environmental and ergonomic requirements. "We

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are very proud to deliver this high-tech water treatment system to help INPEX achieve their ambitious goals”, said Erik Middelhoek, Managing Director of Veolia MPP Systems. “It was a challenging project with a fantastic end result”.

INPEX CORPORATION is a global oil and gas exploration and production company headquartered in Tokyo, Japan. Involved in more than 70 projects across more than 20 countries, INPEX is ranked in the top 100 global energy companies and is listed on the Tokyo Stock Exchange. www.inpex.com

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Veolia group is the global leader in optimized resource management. With over 174 000 employees worldwide, the Group designs and provides water, waste and energy management solutions that contribute to the sustainable development of communities and industries. Through its three complementary business activities, Veolia helps to develop access to resources, preserve available resources, and to replenish them.

In 2015, the Veolia group supplied 100 million people with drinking water and 63 million people with wastewater service, produced 63 million megawatt hours of energy and converted 42.9 million metric tons of waste into new materials and energy. Veolia Environnement (*listed on Paris Euronext: VIE*) recorded consolidated revenue of €25 billion (\$30.3 billion) in 2015. www.veolia.com

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