

**TO: COMPANY ANNOUNCEMENTS OFFICE  
ASX LIMITED**

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## **P-FUEL (P2D™) USA PATENT GRANTED WITH PATENT IN RUSSIA TO FOLLOW**

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The Board of Bisan Limited ("Bisan") has been advised by P-Fuel Limited ("P-Fuel") that it has been granted a patent in the USA for its waste plastic to fuel technology.

In a further positive development, the patent authorities in Russia have approved P-Fuel's application to patent its waste oil to fuel technology with the patent expected to issue in the first quarter of 2015.

P-Fuel's patent attorneys have advised that the WEEE PATENT has been granted in the United States of America (USA) and the WASTE OIL TO DIESEL PATENT has been approved in Russia.

P-Fuel advised that it has patent applications lodged in other countries around the world that are in the PCT (Patent Co-operation Treaty) process stage.

Bisan is the largest shareholder of P-Fuel with 16.8M shares being approximately 16% of the issued capital.

P-Fuel has an existing plant that uses far infrared technology to convert waste plastic and waste oils into fuels including diesel. The plant has been designed to produce transport quality diesel and if this can be achieved, P-Fuel believes it will be a world first. The initial aim is to produce red diesel, which has a large number of fuel and energy applications. The plant is yet to be installed and commissioned at a suitable site.

The USA patent covers the processing of certain waste plastics to fuel. The process also provides for the recovery of precious metals in plastics used in electronics and computer products.

The Russian patent covers the processing of waste oils that are converted back into fuels.

Both patents are based on pyrolysis technology.

Bisan has supported P-Fuel's selection of a site for the installation and commissioning of the plant in Gippsland, Victoria at the Port Anthony Marine Terminal.

Marine diesel fuel is only one of many applications that the P-Fuel finished fuel products can be applied to including and not limited to transport diesel for motor vehicle, diesel for tractors and boats, agriculture and as a fuel for generators to produce electricity with many more applications.

Pat Volpe

Chairman

### **About Gippsland Port Logistics Pty Ltd**

Gippsland Port Logistics Pty Ltd ("GPL"), through its wholly owned subsidiary Port Anthony Stevedoring, provides stevedoring and port management services to the Port Anthony Marine Terminal. The Port Anthony Marine Terminal and surrounding industrial precinct is located within the Port of Corner Inlet, 150 kilometres south east of Melbourne. The facility is only 80 kilometers from the industrial center of Latrobe Valley.

The Port Anthony Marine Terminal is a central hub for Bass Strait oil operations as well as providing facilities for general import and export cargoes. GPL and its related entities have provided stevedoring, heavy engineering and civil construction services to the oil and gas industry for over 20 years. Some of GPL's past and present clients include BHP Billiton, Arrow Energy, True Energy and Origen.

The Board of Bisan feels that the combination of heavy engineering know how, principally in the area of oil and gas, along with a well suited location, makes GPL an ideal partner for the construction and commissioning of the P-Fuel P2D facility.

### **About P-Fuel P2D process**

The P-Fuel P2D (plastic to diesel) plant takes waste plastics and waste oils and converts them back into various fuels such as diesel (known as red diesel), light petroleum products and gas.

P-Fuel is able to assist Government and private groups to address waste management issues and in particular the disposal and management of waste plastics. These waste plastics are harmful to the environment and to wildlife. These waste plastics can take hundreds of years to decompose and create disposal issues in landfills. The cost of disposal is also on the rise along with the land mass required to cater for this growing problem. Not only does the disposal of waste plastics pose considerable environmental problems but its manufacture also uses a large quantity of oil. As this finite resource is depleted it becomes imperative that it is not wasted in discarded plastics.