

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO
RULE 13a-16 OR 15d-16 OF THE SECURITIES EXCHANGE ACT OF 1934

For the month of November 2011

Commission File Number: 001-35022

Mission NewEnergy Limited

(Translation of registrant's name into English)

**Unit 4, 97 Hector Street West
Osborne Park, Western Australia 6017
Australia**

(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): _____

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): _____

Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Mission NewEnergy Limited

By: /s/ Guy Burnett
Name: Guy Burnett
Title: Chief Financial Officer and Company Secretary

Date: November 11, 2011

EXHIBIT INDEX

Exhibit Number

Description

99.1

Press Release dated November 11, 2011, announcing construction of waste material processing facility to be located in Sandakan, Sabah Malaysia



Tempo Offices, Unit B9,
431 Roberts Rd, Subiaco,
Western Australia, 6008

Tel: + 618 9445 1006
Fax: + 618 9204 2383

Email: invest@missionnewenergy.com

11 November 2011
ASX ANNOUNCEMENT

Mission to build Spent Bleaching Earth Extraction Plant in Sandakan Malaysia to access cheaper sustainable feedstock

Mission NewEnergy Limited (NASDAQ:MNEL, ASX:MBT), a global provider of environmentally sustainable biofuels, is pleased to announce a first of its kind for the region, the construction of a major waste material processing facility. The facility, to be located in Sandakan, Sabah Malaysia will allow Mission to recover palm oil from waste material in the palm oil refining process. The waste material, called Spent Bleached Earth ("SBE") has historically had no application.

"Mission is delighted to be working in collaboration with the government and the local palm oil processing industry. The facility will reduce waste being sent to the landfill, create jobs and provide Mission with a low cost, environmentally friendly raw material to produce biofuels," said Nathan Mahalingam Group CEO of Mission.

Producing biodiesel from this recovered non-food grade waste palm oil provides Mission with access to lower cost feedstock and therefore increased overall margins. . Further, as a waste material, the green house gas savings are increased and hence viewed as more desirable by the market.

Mission expects to commence construction of the 66,000 ton per annum SBE Solvent Extraction Facility in January 2012 and expects the facility to be fully operational by September 2012.

Mission has secured agreements and understandings with almost all the palm oil refiners in the State of Sabah to provide a supply of SBE to the facility and has received all necessary sanctions from government authorities including the Department of Environment.

Mission has selected a proven technology provider for this project while the actual construction of the plant and civil works is expected to be done through local Sabah companies. The facility, which will cost RM30 million (US\$10 million) will be funded with equity and debt from a Malaysian commercial bank. Financial closure is expected to occur by end December, paving the way for construction to commence in January 2012.

- Announcement Ends -

About the Project

Palm Oil refineries typically use Bleaching Earth for the purposes of bleaching and removing gum and other impurities when refining crude palm oil. In the process of refining, the Bleaching Earth absorbs and retains some of the palm oil which cannot be recovered in the normal refinery process. Once the Bleaching Earth is used, it is referred to as Spent Bleaching Earth ("SBE") which is a waste material and is traditionally disposed off in landfills.

About Mission NewEnergy

Mission NewEnergy Limited is a global provider of sustainable, renewable energy. Operating in Asia, India, Australia, Europe and North America, Mission NewEnergy is a biodiesel producer and one of the world's largest Jatropha plantation companies. At full capacity we can produce 105 million gallons of biodiesel and have over 234,587 acres of plantation representing a sustainable non-edible oil supply of an estimated 27 million barrels. Jatropha Curcas, an inedible biofuel feedstock, is being cultivated by Mission's contract farmers on arid, marginal lands. Through the realization of Jatropha by-product value, Mission is working towards a zero cost of sustainable non-edible fuel source. To learn more, visit www.missionnewenergy.com.

For more information and a copy of this announcement, please visit: www.missionnewenergy.com or contact:

Investor Relations:

Stern Investor Relations, Inc. SMA Global
Julia Avery
+1 (212) 362-1200
julia@sternir.com

Media Contact:

SMA Global
Jason Drennan
+1 (310) 566-7070
jason.drennan@smaglobal.com

Company Contact:

James Garton
President Mission NewEnergy USA
Phone: + 1 (210) 841-5741
james@missionnewenergy.com
