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## **KUB-Berjaya Enviro Sdn Bhd clinches CDL Outstanding Singapore Environmental Achievement Award**

***Malaysian sanitary landfill operator receives Singapore's most prestigious environmental award***

**Singapore, 22 August 2013** – Think of landfills and badly polluted dumpsites come to mind. Bukit Tagar Sanitary Landfill (BTSL) in Malaysia is an exception, demonstrating that a well-managed landfill can help optimise resources.

KUB-Berjaya Enviro Sdn Bhd (KBE), operator of the BTSL, was named the winner of the CDL Outstanding Singapore Environmental Achievement Award organised by the Singapore Environment Council (SEC), after bagging the DFS Singapore Environmental Achievement Award in the regional category.

Mr Jose Raymond, Executive Director of the SEC said: “KBE has been exemplary in the way they operate their landfill, going above and beyond the standards set by the Malaysian government. On top of that, they have invested a significant amount of time and resources to develop capabilities in harnessing clean energy and improving their environmental performance. Their efforts in sustainability have even caught the attention of countries like China and the Philippines.”

“Our core business is designing, developing, operating and managing the Bukit Tagar Sanitary Landfill. One of the company’s principal objectives is to develop and operate the sanitary landfill with optimal regard to the environment. With our zero-discharge policy for the treated effluent and comprehensive landfill gas management system, we have gone above and beyond what is required of any sanitary landfill in Malaysia. It is already an honour winning the award in the regional category and truly, it is the icing on the cake to walk away with the CDL Outstanding Singapore Environmental Achievement Award,” said Mr Chock Eng Tah, Managing Director, KBE.

KBE runs and operates the 1,700-acre BTSL, which is a Level 4 sanitary landfill according to guidelines by the US Environmental Protection Agency (USEPA). BTSL is located at Mukim Sg. Tinggi, Hulu Selangor District in the State of Selangor, Malaysia and is near the North-South Highway. The landfill is the only municipal solid waste disposal facility that caters to the Kuala Lumpur and Selayang municipalities.

From the very beginning, KBE wanted to build a first-class sanitary landfill and for the facility to be in line with the goals of the Malaysian National Energy Policy as laid out in the Malaysian Ninth Malaysian Plan – to reduce the dependence on fossil fuels and to promote the use of renewable energy among industries.

First, a 500-m buffer zone was established – something that had not been done for other landfills in Malaysia. KBE also had a zero-discharge policy for BTSL which they took seriously and pursued to a greater extent compared to other landfills. Their Leachate Treatment Plant (LTP) within the facility is the only one in Malaysia that uses reed beds for bioremediation. Leachate from the landfill is treated and closely monitored to ensure that the surrounding areas do not become contaminated.

In addition, methane emissions are channelled to gas engines to generate electricity for the national grid. The company also started a solar power pilot project. Instead of letting the space on top of landfill cells that have reached full capacity go un-utilised, solar panels have been installed. From this year onwards, the energy generated by the solar panels will be similarly fed to the national grid.

For their efforts, KBE was awarded the 2<sup>nd</sup> Runner-up for Renewable Energy – On-Grid Category at the ASEAN Energy Awards 2012. An even more impressive feat is that BTSL was the first landfill in Malaysia to have been awarded Carbon Emission Reductions (CERs) issued by the Clean Development Mechanism (CDM) Project, which has very stringent criteria.

KBE has plans to conduct research and development on the use of algae in leachate treatment. Being the leading waste management company in Malaysia, KBE also plans to replicate its model across other landfill plots in Malaysia – namely Perlis, Malacca and Perak.

The winners for the other five categories for the SEAA 2013 are as follows:

- **Kimberly-Clark Singapore Environmental Achievement Award (Services)**
  - Winner: Keppel Land Limited
  - Merit Winner: Keppel DHCS Pte Ltd
  
- **Lee Foundation Singapore Environmental Achievement Award (Public Sector)**
  - Winner: Institute of Technical Education (ITE)
  - Merit Winner: East View Primary School
  
- **DFS Singapore Environmental Achievement Award (Regional)**
  - Winner: KUB-Berjaya Enviro Sdn Bhd
  
- **SEC-Senoko Energy Green Innovation Award (Product)**
  - Winner: Housing & Development Board (HDB)
  
- **Setsco Singapore Environmental Achievement Award (Manufacturing)**
  - Merit Winner: M Metal Pte Ltd

All winners of the SEAA 2013 received their awards from Dr Vivian Balakrishnan, Minister for the Environment and Water Resources at the SEAA 2013 awards ceremony held at the Conrad Centennial Singapore Hotel today.

**\*\* END OF MEDIA RELEASE\*\***

## ANNEX A

### **KUB-Berjaya Enviro Sdn Bhd**

KUB-Berjaya Enviro Sdn Bhd developed the Bukit Tagar Sanitary Landfill on a long-term concession awarded by the Government of Malaysia. It is currently the largest and most advanced engineered sanitary landfill in Malaysia.

Since commencing in April 2005, the Bukit Tagar Sanitary Landfill is receiving 2,800 tonnes of municipal solid waste daily. With 120 million metric tonnes capacity, it can provide waste management solution for Kuala Lumpur and Selangor for over 60 years.

Several pioneering and innovative technologies are adopted in Bukit Tagar as part of its holistic approach to solid waste management. These include ground-breaking innovations such as:

- Zero-discharge policy for treated effluent
- State-of-the-Art Leachate Treatment Plant
- Reed bed polishing system
- Comprehensive landfill gas management system

The landfill gas management system is a self-initiated effort, and the standards implemented far exceed the requirements imposed by the Department of Environment.

Bukit Tagar Sanitary Landfill has the distinction of operating the largest grid-connected biogas renewable energy facility under the Feed-in Tariff programme in Malaysia, in addition to having the most Certified Emission Reduction (CER) or carbon credits issued for a landfill project in South East Asia under the Clean Development Mechanism (CDM) scheme to date.



*Caption for both photos: KUB-Berjaya Enviro's Renewable Energy Centre and water retention pond (next to it).*

## NOTES TO THE EDITOR



### ABOUT THE SINGAPORE ENVIRONMENTAL ACHIEVEMENT AWARDS

SEAA was launched in 1997 by Mr Yeo Cheow Tong, Singapore's former Minister for the Environment. Presented by the Singapore Environment Council, the SEAA aims to inspire Singapore-based and regional organisations to become more committed to environmental and social responsibilities. It is the only local award that addresses overall environmental initiatives and awareness within an organisation. The criteria for the Singapore Environmental Achievement Awards focuses on assessing the leadership displayed by the company, the real environmental improvement made as well as the ability of an organisation to establish procedures, train staff and innovate in order to achieve breakthroughs in environmental performance. For more information, please click on the following link <http://www.sec.org.sg/seaa>.



### ABOUT THE SINGAPORE ENVIRONMENT COUNCIL

Established in 1995, the Singapore Environment Council (SEC) is an independently managed, non-government organisation that nurtures, facilitates and co-ordinates environmental causes in Singapore. SEC's work is founded on three pillars of action – Firstly, partnership with the people, private and public sectors of Singaporean society, to nurture a culture aligned with sustainable development concepts. Secondly, SEC rewards environmental excellence through awards schemes and product endorsement programmes, such as the Singapore Green Labelling Scheme. Thirdly, the SEC collaborates with partners to develop and implement training and learning programmes to build competencies in environmental sustainability within companies, thus keeping our business leaders ahead of the curve. Visit our website at [www.sec.org.sg](http://www.sec.org.sg).

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