

30<sup>th</sup> November 2017

## **PRESS STATEMENT**

by Dato' Ir. Jaseni Maidinsa,  
Chief Executive Officer,  
PBA Holdings Bhd (PBAHB) and  
Perbadanan Bekalan Air Pulau Pinang Sdn Bhd (PBAPP).

## **PBAPP'S INNOVATIVE WASTE RE-CYCLING PROJECT WINS PENANG STATE AWARD**

- **PBAPP Project: “Conversion of Sungai Dua Water Treatment Plant Residue into Clay Bricks”.**
- **Award: Champion, Penang State Innovation Award (Non-ICT Category).**
- **This waste re-cycling project also won PBAPP the “Innovation Award Runner-Up” trophy at the IGEM 2017 event in the KLCC.**

PENANG, Thursday (30/11/2017): A Perbadanan Bekalan Air Pulau Pinang Sdn Bhd (PBAPP) waste recycling project has won the Penang State Innovation Award 2016 (Non-ICT Category) on 28/11/2017.

This “green” project involves the conversion of water treatment plant residue at the Sungai Dua Water Treatment Plant (Sungai Dua WTP) into a value-added material that may be used in clay brick production.

On 13/10/2017, PBAPP also won the “Innovation Award Runner-Up” trophy for this project at the “International Greentech & Eco Products Exhibition & Conference Malaysia (IGEM) 2017” event in the Kuala Lumpur Convention Centre (KLCC).

### Converting Scheduled Waste into Brick-making Material

The Sungai Dua WTP, the largest water treatment plant in Penang, produces more than 80% of the state's treated water daily. In 2016, the average water consumption in Penang was 827 million litres per day (MLD).

The by-product of the conventional water treatment process at the Sungai Dua WTP is a waste material known as water treatment plant (WTP) residue.

The WTP residue is classified as a “scheduled waste” that must be disposed safely, in accordance to the “Environmental Quality (Scheduled Wastes) Regulations 2005”.

The Sungai Dua WTP generates an average of 300 metric tons of WTP residue per day.

Through research and development (R&D) since 2009, PBAPP has discovered a way to re-cycle the WTP residue as a value-added material for making clay bricks used in construction projects.

### Key Benefits

The key benefits of this WTP residue recycling project include:

1. Re-cycling a scheduled waste in an innovative manner, in line with the Penang State Government’s “A Cleaner, Greener Penang” initiative;
2. Potential reduction of scheduled waste disposal costs, not only for PBAPP, but for the entire water supply industry in Malaysia; and
3. Re-using WTP residue constructively as a value-added material that will be useful to the brick-making industry, and consequently, to the construction industry.

### Penang State Innovation Award

Deputy Penang State Secretary Dato’ Haji Ghazali Bin Derahman handed the Penang State Innovation Award (Non-ICT category) to PBAPP on 28/11/2017, in conjunction with the Penang state-level “Innovation Day 2017” event.

The Penang State Innovation Awards recognizes innovative public sector initiatives. It also promotes creativity and innovation amongst state administration personnel, so as to improve the quality of public services for the benefit of the people.

Thank You.

Dato' Ir. Jaseni Maidinsa,  
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PBA Holdings Bhd (PBAHB) and  
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