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PRESS STATEMENT

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SUNGAI DUA WATER TREATMENT PLANT: NEW RM31 MILLION MODULE TO BE COMMISSIONED IN JANUARY 2024

- **Package 12A will increase the maximum water treatment design capacity of the Sungai Dua Water Treatment Plant (WTP) by 114 million litres per day (MLD) by 2024.**

PENANG, Saturday, 13.5.2023: Work to build a new water treatment module in the Sungai Dua Water Treatment Plant (WTP) is being expedited to increase the WTP's maximum water treatment capacity as soon as possible.

The new module, named "Package 12A", is expected to be completed by December 2023 and commissioned by January 2024.

The following are the key details about Package 12A:

1	Development cost (Investment by PBAPP)	RM31 million
2	Maximum water treatment capacity	114 million litres per day (MLD)
3	Water treatment technology	Conventional water treatment
4	Raw water resources	<ul style="list-style-type: none"> • Sungai Muda • Expanded Mengkuang Dam (EMD)
5	Work commencement	March 2022
6	Projected completion/commissioning	December 2023/January 2024
7	Key benefits	<ul style="list-style-type: none"> • Production of more treated water to meet high water demand towards 2030. • Upgrading of plant maintenance schedules in the Sungai Dua WTP with lower risks of water supply interruptions.
8	Key beneficiaries	About 676,857* domestic and non-domestic water consumers in Seberang Perai and Penang Island.

*Domestic and Non-Domestic Consumer for the year 2022

The development of Package 12A marks a new chapter in the history of the Sungai Dua WTP, Penang's largest and most important WTP.

Increasing the Sungai Dua WTP's maximum treatment capacity to 1,342 MLD

The Sungai Dua WTP is the most important water supply asset in Penang because it produced about 83.51% of the treated water that PBAPP supplied in 2022.

About 64.57% treated water from this plant was supplied to consumers in all areas of Seberang Perai. The remaining 35.43% was supplied to consumers on Penang Island (treated water from the plant was pumped from the mainland to the island via 3 sets of twin submarine pipelines).

The maximum design treatment capacity of the Sungai Dua WTP has been upgraded from 143 MLD in 1973 to 1,228 MLD in 2023. With the commissioning of Package 12A in January 2024, this WTP's maximum design treatment capacity will reach 1,342 MLD.

The primary raw water resource for the Sungai Dua WTP is Sungai Muda. There is a limit to the volume of raw water that PBAPP may abstract from Sungai Muda, downstream of 14 Kedah WTPs and 4 irrigation intakes. As such, Package 12A may be the last expansion module for the Sungai Dua WTP.

The secondary or back-up raw water resource for the Sungai Dua WTP is the Expanded Mengkuang Dam (EMD). For now, the raw water reserves from EMD are reserved for use only at Sungai Dua only during dry seasons or emergency scenarios.

De-centralising treated water production

Looking ahead, PBAPP is planning to build new water treatment facilities at other locations to specifically tap other raw water resources such as the EMD, Sungai Kerian, Sungai Muda and Sungai Perai under its Water Contingency Plan 2030 (WCP 2030).

PBAPP's move to de-centralise treated water production in Seberang Perai will also rationalise costs and directly address the needs of specific districts.

For example, PBAPP is planning to expedite the development of the Sungai Kerian WTP, Phase 1, to produce more treated water and meet water supply needs in Seberang Perai Selatan (SPS).

However, we need to work with the State Land and Mines Office to quickly resolve land acquisition issues at the proposed development site in SPS before awarding any contracts for development work.



In the meantime, PBAPP will implement interim projects under its “Seberang Perai Selatan 2023 Response Plan” (SPS 2023RP).

PBAPP will reveal the full technical details of the SPS 2023RP next week.

Thank You.

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