Flushing Volume for Flushing Cisterns

Regulation 19 of the Building (Standards of Sanitary Fitments, Plumbing, Drainage Works and Latrines) Regulations (the "Drainage Regulations") requires flushing cisterns of watercloset fitments to have a discharge between 9 and 14 litres.

2.   With the application of modern technology in the design of watercloset flushing system, the effectiveness of flushing can be maintained with a reduced discharge. Therefore, to conserve our valuable water resources, both the Building Authority (BA) and Water Authority (WA) would have no objection to accepting the use of flushing cisterns with discharge less than that required by the current regulations provided that the design flushing volume is compatible with the toilet bowl to ensure effective clearance of waste by a single flush and the flushing apparatus meets the requirements of the WA.

3.   Under the Drainage Regulations, Regulation 91 stipulates that Regulations 19, 20, 21, 22 and 23 shall not apply to any soil fitment which is flushed with water from the waterworks. As such, modification of Regulation 19 to accept the reduced discharge of the flushing cistern is not required if the flushing water is from the waterworks. The authorized person should ensure that the flushing apparatus comply with the requirements stipulated in the Water Works Ordinance and Regulations and the respective technical circular letters that may be issued by the WA from time to time. On occasions when the soil fitments are flushed with water other than from the waterworks, the BA is prepared to grant a modification of Regulation 19 to accept the reduced discharge for individual watercloset flushing system provided that the requirements stated in paragraph 2 above are compiled with.

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Ref. : BD GP/BREG/SF/1(V)

This PNAP is previously known as PNAP 220
First issue   May 2000
This revision   February 2012   (AD/NB1) – (General revision)