DA NANG - WASTE WATER





Facts:

Collection

nearly all houses have their own septic tanks in Da Nang. Most households have two septic tanks: one for black and one for grey water. Frequently, tanks are are underneath the houses and a de-sludging/maintenance is only possible if the floor is opened. they often leak into the ground (Fraunhofer, Concept for WWT, 2014)

Distribution

Sewerage system: 15.7 km of gravity pipe, 19.4 km of the pressure line from the pump station, 18 pumping stations, 60 diversion wells, most of the spillway elevation + 0.6m above the sea level and the river level (DISED current situation of drainage system, 2013)

Waste Water Treatment

- Domestic wastewater, anaerobic technology: Hoa Cuong WWTP: Area 4.5 ha Capacity 36,000 m3/day Phu Loc WWTP: Area 4.5 ha Capacity 33,000 m3/day Son Tra WWTP: Area 2 ha Capacity 15,000 m3/day
- Ngu Hanh Son WWTP: Area 1.6 ha Capacity 11.500 m3/day (DISED current situation of drainage system, 2013)

Masterplan / Strategies

DISED - strategy for wastewater management 2020, orientation to 2040, 3.11.2010 general objectives

- 100% treatment of wastewater - Building a waste-water treatment system, and a separate drainage system

Orientation from 2020 to 2030 -80% connection ratio of waste-water system to individual household with drainage system -Revenue from waste-water treatment fees is enough for operation,

management, and maintenance Orientation from 2020 to 2030

-100% connection ratio of waste-water system to individual household with

Hanh Son WWTP

500 m3/c

drainage system -Protecting and saving the water resources, increasing the ratio of reusing the wastewater after treatment for purposes of agricultural production, watering trees, and cleaning roads

Socio-economic Development Plan -SEDP 2016-2020: 100% treated industrial waste water and residential sewage;

of which 25% is reused (in line with Vietnamese environmental criteria) -SEDP 2010-2020: Collect and treat 100% of industrial and domestic wastewater by 2020

RP Empowerment workshop results 2016

objectives -wastewater is completely collected to centralized treatment plants -100% of wastewater is treated according to Vietnamese standards

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