

# SFD Kirtipur, Nepal

**Kirtipur** municipality was established in the year 1997 by combining eight contemporary village development committee, municipality is located in Katmandu valley 5 km south-west to Kathmandu city, Nepal. The town covers 14.76 sq km area with a resident population of 65,602 (Census 2011).

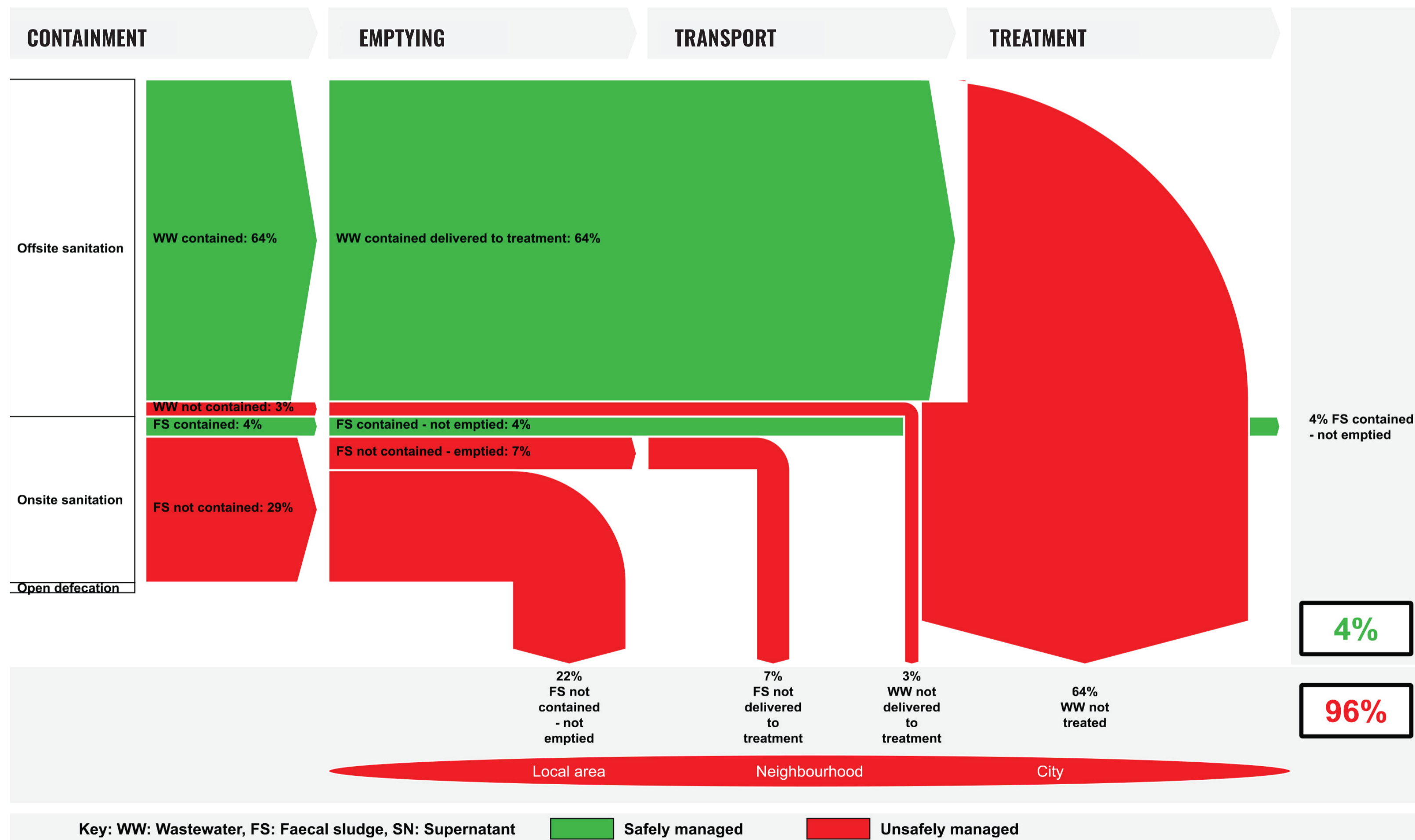
## SFD GRAPHIC

### Kirtipur Municipality, Bagmati Province, Nepal

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Kirtipur municipality has both systems of wastewater management i.e., sewerage network and on-site sanitation. Around 67% of the households are connected to the sewerage network, out of which around 64% depends on the combined sewer system, while 3% of the population has the user interface connected to open drain.

The remaining 33% population rely on the on-site sanitation system, of which majority of the households use lined tank with impermeable walls and open bottom, connected to a soak pit, where there is a significant risk of groundwater pollution, whereas about 1% of the population use septic tanks connected to the soak pit and 3% use fully lined tanks for onsite containment. No standard design for construction of containments is followed within the municipality.

The municipality does not have the provision to provide desludging services for the containment systems. Desludging is carried out either by mechanical emptying with the help of private service providers from neighboring municipalities or by manual emptying either by labor or the household members. Since there is no standard design for the construction of containments, the emptying frequency differs even for the same type of containment. During the preparation of the SFD, it was recorded that most of the septic tanks and fully lined tanks were sealed and around 23% of the lined tank were emptied.

Due to the absence of any treatment facility for fecal sludge and wastewater within the municipality, waste is directly disposed into the Bagmati River and Balkhu River untreated. The faecal sludge collected by the private operators is also disposed it into directly into the rivers or used as a compost in some cases.

The SFD Promotion Initiative recommends preparation of a report on the city context, the analysis carried out and data sources used to produce this graphic. Full details on how to create an SFD Report are available at: [sfd.susana.org](http://sfd.susana.org)

