



NELSON MANDELA BAY MUNICIPALITY

INFRASTRUCTURE AND ENGINEERING DIRECTORATE

REQUIREMENTS FOR CONSIDERING REDUCTION OF A SEWERAGE K - FACTOR

1. Installation to separate water uses

A separate water meter / connection that will monitor the water consumed that does not enter with the Municipal sewer reticulation, as follows:

- 1.1 Application for a second water connection.
- 1.2 Separation of the on-site pipe network from the domestic pipe network. This must be as supported by an as-built plumbing and drainage plan.
- 1.3 Certification of 1.2 above by a plumbing contractor and the installation will be subject to an inspection by a representative of the Infrastructure and Engineering Directorate (Wastewater Conveyance Sub-Directorate i.e. *Sewerage Division*)
- 1.4 All of the above costs including the cost of an inspection will be for the account of the applicant.

2. Monitoring of water consumption

Recording/monitoring domestic water usage versus water consumed by other processes that do discharge any waste water into the Municipal sewer reticulation, as follows:

- 2.1 Install a sub-water meter to measure the amount of water used in the other processes.
- 2.2 Record water consumption data for a minimum period of period 12 consecutive months to compare total water consumption of the erf versus that used for other processes. With this data the k-factor can be reviewed.
- 2.3 Water meter specification:
 - 2.3.1 Type of water meter to be approved by the Infrastructure and Engineering Directorate – Wastewater Conveyance Sub Directorate
 - 2.3.2 A Calibration Certificate for the water meter to be supplied by an accredited test laboratory.
 - 2.3.3 An official of the Wastewater Conveyance Sub Directorate must witness the opening and closing meter readings of the 12-month test period.
 - 2.3.4 Should the meter be tampered with in any way the results will be null and void. None of the recorded data will be accepted and the process will have to be redone.
- 2.4 All costs will be for the account of the applicant.

3. Criteria for compliance

- 3.1 Written application for review of a K-factor must be addressed to the Executive Director: Infrastructure and Engineering Directorate prior to the start of a water consumption monitoring period as described above.
- 3.2 Only on submission of the full set of recorded water consumption data and after the applicant has complied fully with the above-mentioned criteria will the present K - factor be taken under review.
- 3.3 Should a change be required/*recommended* will it be implemented from the month following the approval of the new k-factor.
- 3.4 An applicant will not be reimbursed or credited for any portion of the sewerage charges based on the previous K-factor