

The implementation of the eWISA Waste Water Treatment Work Assistant Elize Marè



Flip Human Water Care Works

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- **During April/May 2007 the eWISA WWTW Assistant was implemented at the Flip Human Water Care Works in Mogale City.**



Flip Human Water Care Works

- **During this period specific attention was given to the following aspects, which were considered as essential for the management and operation of the works.**

- **Water quality data.**

- **Monitoring data since 2003 were imported into the system.**
- **The graphical output of the data were reviewed in consultation with WISA for optimum assistance for the management of the works.**
- **Graphical display of three time series for constituents (statistical output and 'smoothing' tool for selected monitoring points).**

- **Plant efficiency.**

- **Percentage reduction of a constituent between any 2 points.**

- **Overview of water quality data.**
 - Time series of all constituents for a monitoring point for any period.
 - Graphical display of the time series for constituents (statistical output and 'smoothing' tool).
- **Water quality report to DWAF.**
 - Standard output in MSExcel for monthly reporting to DWAF.
- **Summary of all monitoring data for a period.**
 - Summary of averages for all monitoring points and constituents for any period (output to MSExcel).

- **Asset management.**
 - **Inventory of the water care works.**
 - **Maintenance schedule for equipment.**
 - **Assessment (usage and condition) of equipment.**
- **Pump stations.**

- **Financial management.**
 - **Budgets (monthly scheduling).**
 - **Cash flow management.**
 - **Overview (cash flow and budget).**

- **Plant classification.**
 - **According to DWAF requirements.**
- **Document database.**
- **Database of manufacturers and suppliers.**
- **Photo library.**
- **Inspections.**
 - **Advanced inspection routine is under development.**
- **Incident reports.**