



Project Sheet

Development of Annual Operating Rules for the Integrated Vaal River System (IVRS)

LOCATION: Vaal River Basin, Gauteng, South Africa

CUSTOMER: Department of Water Affairs

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STATUS: Ongoing **DURATION:** May 2010 – March 2013

OBJECTIVE: The real-time management of the complex Integrated Vaal river System to ensure the most beneficial utilization of resources, while maintaining selected reliability of supply and water quality criteria. To ensure the optimal allocation of scarce resources during times of drought and to determine appropriate curtailment strategies as may be necessary.

DESCRIPTION

- Determination of water demand patterns.
- Determination of the state of water resource availability.
- Develop/Update of the Decision Support System (DSS).
- System operating analysis (scenario analysis).
- Stakeholder consultation and engagement.
- Prepare and distribute monthly monitoring status reports.
- Training and capacity building.

RESULTS

- Monthly monitoring status reports.
- Annual operating analysis reports.
- Updated DSS.



