



CAS J. COETZER



CIRRICULUM VITAE

PERSONAL DATA

SURNAME:	:COETZER
NAMES:	:CASPER JOHANNES
DATE OF BIRTH:	:26 AUGUST 1952
NATIONALITY:	: S.A. CITIZEN
ID NUMBER:	: 5208265001085
MARITAL STATUS:	:MARRIED
DEPENDANTS:	:THREE
HEALTH:	:GOOD
DRIVERS LICENCE:	:YES
HOME LANGUAGE:	:AFRIKAANS
OTHER LANGUAGES:	:ENGLISH
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EDUCATIONAL DATA

SCHOOL :

HIGHEST QUALIFICATION: : MATRIC**YEAR:** : 1969

TERTIARY QUALIFICATIONS

UNIVERSITY: :PRETORIA**QUALIFICATION:** :B.Sc. (ENG)(CIV)**YEAR:** :1977**OTHER QUALIFICATIONS:** :MECSA: **Pr.Eng.(MEMBER OF ECSA)****No. 800339**

PARTICULARS OF PRESENT POSITION

PREVIOUS EMPLOYER: :DEPT. WATER AFFAIRS &
FORESTRY**POST TITLE:** :CHIEF ENGINEER**TOTAL PERIOD OF EMPLOYMENT:** :29 YEARS**PRESENT STATUS:** : CWT CONSULTING**POST TITLE:** : DIRECTOR**TOTAL PERIOD OF EMPLOYMENT:** : 16 YEARS

EXPERIENCE

PERIOD AS STUDENT :

Work as student on various construction schemes of the *Department of Water Affairs (DWAF)*.

PERIOD 1976 TO 1978 :

Work as engineer in the Civil Design directorate of **DWA**.

PERIOD 1978 TO 1979

Work as engineer in the Project Planning Directorate of **DWA**.

PERIOD 1979 TO 1981

Work as engineer on the construction of the Mogol Dam near the town of Ellisras.

PERIOD 1981 TO 1982

Work as engineer at the then directorate of Planning Services of **DWA**.
Perform specialised hydraulic investigations of rivers such as backwater curves, flood-lines and flood routing in dams and rivers.

Period 1982 to 1992

Work at the Northern-Province regional office of **DWA** as engineer. Perform *inter alia* the following tasks:

- Planning , design and controlling of projects varying from pump schemes, dams, canals and related structures.
- Control the construction of various water supply projects for municipalities.
- Control the construction of various (as much as 45) Regional Water Supply Schemes to communities in the Northern Province.
- Acquire broad experience on aspects surrounding the determining of water allocations in terms of the applicable Act.
- Acquire broad experience on general legal issues concerning the applicable Act.
- Act as specialist in various court cases concerning water related issues.
- Acquire extensive experience in the field of the operation of water supply schemes.

PERIOD 1992 TO 1998

Responsible for System Operations at the head office of **DWA**. Some of the tasks performed were:

- Advise on the operation of all the water supply systems in South Africa owned by the government.
- Operate the Orange River System consisting of the two biggest dams in South Africa namely the Gariep Dam and the Vanderkloof Dam and the related extensive canal and pipe line systems.

- Responsible for the agreements between **DWA** and other parties concerning the supply of water.
- Advise on the introduction of water restrictions by **DWA** on the supply of bulk water from any of its schemes in South Africa.
- Design flood operating rules and procedures for all the dams owned by **DWA**.
- Advise on all proposed allocations of water from state schemes to users such as water boards, municipalities, irrigation boards and individuals.
- I was also involved in various system analysis done by consulting engineers for **DWA**.

PERIOD 1998 TO PRESENT

I have been director of **CWT** since my resignation from **DWA** at the end of January 1999.

I have completed various tasks for **DWA** such as the compiling of operation and maintenance manuals for dams, flood operation of the Crocodile River System during the flood periods in 2000, general administrative tasks of a technical nature and drafting of other reports and proposed agreements.

I have completed various dam safety inspections of State Dams for **DWA**

I have performed an analysis to optimise and maximise the supply of water to the Bossiesspruit Dam. This analysis comprised a detailed investigation regarding the pumping scheme to the Bossiesspruit Dam.

I have completed the design and construction supervision of an irrigation pipeline from the Flag Boshielo Dam. The pipeline is a 11 km long 950 mm dia GRP gravitational pipe feeding into a canal. The design capacity of the pipeline is 1,2 cumec. The project was built under my supervision.

I have also completed the complete design of the said irrigation water pipe line from the Flag Boshielo Dam including all contract documents related to this project. The client was the Limpopo Department of Agriculture.

Furthermore, I have completed the design of the upgrading of an irrigation canal and compiled the drawings and contract documents.

I have completed the design and compile all contract documents for a new road (including a bridge structure) through the Flag Boshielo Dam on the Olifants River.

I have done a detailed hydrologic study regarding the proposed raising of the Loskop Dam and made recommendations to the client.

I have completed the detailed design including Contract Documents of pressure pipelines for the Lebalelo WUA

I have since my association with **CWT** completed approximately 250 flood line studies and other hydraulic studies (bridge designs and sizing) for a wide variety of clients.

I was appointed as specialist hydraulic engineer by various clients for projects such as the Zuickerboschfontein development near Magaliesburg.

I was responsible for the siltation analysis for the preliminary design of the intake works to the VRESSUP scheme.

I was specialist consultant in court cases related to flood water canals in the Vaal-Harts Scheme at Jan Kempdorp.

I have been appointed as a specialist consultant for Biggen Pty regarding design of embankments for Rand Water.

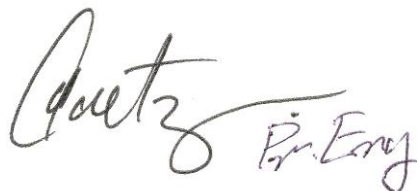
I have been appointed as specialist for monitoring pipe line designs by other consultants such as BKS.

I have been appointed and completed various steel pipe line designs for the Lebalelo Water User Association.

I have been appointed to do a professional analysis of the main Lebalelo steel pipe line some 76 km long with diameters varying from 900 mm to 300 mm and including 5 major pump-stations with power consumptions varying from 2,3 MW to 500 kW. The client was the Lebalelo Water User Association.

I have been appointed to investigate and recommend optimum operating procedures for the Lebalelo WUA extended Water Supply Scheme.

I have completed various SMP (Storm Water Management Plans) for clients.

A handwritten signature in black ink, reading 'Cas Coetzer' with 'Pr.Eng.' written below it.

CAS COETZER (PrEng) 10 March 2015