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Africa Water and Waste (Pty) Ltd
P.O. Box 1413
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23 MAR 2001

FOR ATTENTION: **Mark Ross**

LILLIPUT DOMESTIC SEWAGE EFFLUENT TREATMENT SYSTEMS

Your email transmission dated 26 January 2001 and the subsequent inspection of the above-mentioned effluent treatment system on 10 February 2001, by Karen Chetty of this department, has reference.

The Department of Water Affairs and Forestry is pleased to advise you that based on our inspection of the above system, evaluation of the relevant literature and results of the monitoring trials conducted on the above system, this Department accepts the above technology as applied to domestic waste water treatment.

This acceptance is subject to the following conditions as laid down by this Department:

- With respect to developments in the Vaal Dam area, effluent from the system is not allowed to enter the dam, i.e. all effluent from the system must be pumped 50m away from the high flood line mark.
- All relevant sections and conditions of the National Water Act (Act 36 of 1998) must be complied with.

Should you have any queries, please do not hesitate to contact this office.

Yours faithfully

REGIONAL DIRECTOR



DEPARTEMENT VAN WATERWESE EN BOSBOU: KWAZULU-NATAL
DEPARTMENT OF WATER AFFAIRS AND FORESTRY: KWAZULU-NATAL
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Mr M. Gordon
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031 3362700

The Directors
Africa Water and Waste (Pty) Ltd
P.O. Box 1413
HILLCREST
3650

2 April 1998

Dear Sirs

LILLIPUT SINGLE HOUSE SEWAGE TREATMENT TECHNOLOGY

Reference is made to your letter dated 20 March 1998.

We are pleased to advise that based on our involvement and monitoring of trials conducted on the above, this Department endorses the above as acceptable technology applied to domestic waste water treatment systems subject to the applicable by-laws and/or conditions as laid down by the local authority and other government departments.

Please contact this office for further assistance in this regard as required.

Yours faithfully


REGIONAL DIRECTOR

MC/sr 7205



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22 February 2001

The Director
Africa Water and Waste
PO Box 1413
HILLCREST
3650

Attention: Mr M Ross

LILLIPUT DOMESTIC SEWAGE EFFLUENT TREATMENT TECHNOLOGY

Reference is made to your letter dated 2 February 2001 and subsequent discussions regarding the above.

Section 2 of the National Environmental Management Act No. 107 of 1998 requires that development is environmentally, socially and economically sustainable and that waste is disposed off in an environmentally acceptable manner.

This Department thus encourages initiatives to develop cost-effective solutions towards improved sanitation systems that reduce impact on the environment.

This Department further supports the above application as an acceptable technology for the treatment of domestic waste.

Kindly contact this office for further enquiries.


DIRECTOR-GENERAL





**DEPUTY-MINISTER: AGRICULTURE AND LAND AFFAIRS
REPUBLIC OF SOUTH AFRICA**

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Enquiries P J Maritz
Ref 2/3/1

Mr M Ross
African Water and Waste
P O Box 1413
HILLCREST
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FAX: 031 7834074

Dear Mr Ross

LILLIPUT DOMESTIC SEWAGE EFFLUENT TREATMENT TECHNOLOGY

Thank you for your e-mail dated 12 May 2001.

My Department administers the Agricultural Resources Conservation Act, Act No 43 of 1983. This Act specifies that effluent must conform to certain quality standards before it can be disposed of to surface streams or ground water aquifers. The main concerns are electric conductivity, free and bound ammonium nitrate, soluble orthophosphate, sodium chlorine and solids in suspension.

The Act is primarily concerned with agricultural activities, but sanitation on farms and rural agricultural enterprises is of concern as is the disposal of the sludge. My Department is thus very aware of the need for improved sanitation systems that will not have a negative impact on water quality, directly or indirectly. In this regard it maintains close links with the Department of Water Affairs and Forestry and the Department for Environmental Affairs and Tourism.

I note that the Department of Water Affairs and Forestry have inspected, evaluated and monitored trials of the system. I also note that the acceptance of the system is subject to certain conditions. My conclusion is that the Lilliput Domestic Sewage Effluent Technology offers an acceptable technology for the treatment of domestic waste of small rural communities.

Yours sincerely

D.C. du Toit

DIRK C DU TOIT
DEPUTY MINISTER