

WASTE UTILIZATION - THE NETHERLANDS:  
ECONOMIC APPRAISAL

REPORT NO. RD.445-R

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Research & Development Establishment,  
British-American Tobacco Co. Ltd.,  
SOUTHAMPTON.

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WASTE UTILIZATION - THE NETHERLANDS: ECONOMIC APPRAISAL

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SUMMARY AND CONCLUSIONS

An examination of the waste tobacco, produced at the Asterweg and Zoutkeetsgracht factories, indicates that 26,500 Kg/year of winnowings may be shredded and 80,000 Kg/ye of BATEX could be manufactured.

If the winnowings were shredded in a single SF6 Eirich Mill, the gross annual return would be Fl 155,700, on an installed plant cost of Fl 22,800; a return on investment of 700%. The level of the shredded winnowings returned to the process, assuming they were returned at the same level as the winnowings were extracted, would be 0.38% at Asterweg and 0.73% at Zoutkeetsgracht.

For the manufacture of BATEX two cases have been considered - a one-extruder plant operating double shift and a two-extruder plant working on single shift. The installed cost of the one-extruder plant has been estimated at Fl 227,500, giving a gross annual return of Fl 332,800, equivalent to a return on investment of 146%. The installed cost of the two-extruder plant has been estimated at Fl 293,500, giving a gross annual return of Fl 330,300; equivalent to a return on investment of 112%. The level of BATEX returned to cigarette manufacture would be slightly less than 2%.

Since BATEX is an attractive proposition, it is suggested that 1000 Kg of selected waste be shipped to R. & D.E. for a process evaluation. This could be followed by an evaluation of BATEX in Dutch blends to assess both its smoke taste and also its physical performance under manufacturing conditions.

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