ALCOA OF AUSTRALIA LIMITED
ENVIRONMENTAL RESEARCH NOTE NUMBER 11

BIBLIOGRAPHY OF ENVIRONMENTAL DEPARTMENT PUBLICATIONS

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Alcoa's direct involvement in research on environmental management issues related to its operations in Western Australia commenced in 1972 with the appointment of a scientist to work on minesite rehabilitation. By 1975 a small environmental research group had been formed. This group was subsequently expanded in response to commitments made by the Company in its 1978 Environmental Review and Management Programme for the Wagerup alumina project.

The main emphasis of the research programme is on land management and rehabilitation issues. Technological aspects of environmental management such as emission control and residue management are handled mainly by other technical and engineering groups within the Company.

This Research Note lists publications by staff of the Environmental Department since 1975. The department has three series of internal publications - Environmental Research Bulletins, Environmental Research Notes and Environmental Department Technical Series. The Bulletins generally present scientific information which is either too broad in content or too detailed to be suitable for publication in a technical journal. For example, Environmental Research Bulletin No. 1 is a review of all Alcoa research on nutritional aspects of minesite rehabilitation conducted between 1972 and 1977.

The Research Notes are informal publications which may be used to present preliminary research findings or describe experimental methods which have been developed or modified to suit local application. For example, Research Note No. 6 presents information on soil sampling devices which have been developed for hydrological investigations in the Darling Range and No. 12 discusses the effect of soil moisture and density on rehabilitation ripping.

The Technical Series was initiated in 1988. It mainly covers techniques and procedures used in environmental management and rehabilitation. Some of the early Research Notes would now be published in the Technical Series.

Alcoa has sponsored a considerable amount of research by universities, government departments, CSIRO and consultants. External funding of environment-related research has been in the range $100,000 - $400,000 annually since 1978. Publications resulting from this research are not included.

In the list of papers published in journals and conference proceedings, the Alcoa author is identified by underlining.

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