

**R. 310 TR2\_152****ABERFOYLE TIN MINING CO., N.L.****WOLFRAM RESIDUES**

In 1955 research showed (R 286) that digestion of siderite cassiterite wolfram residues with hot dilute sulphuric acid, washing and magnetic separation improved separation of the valuable minerals. The finest slime is removed by hydraulic classification, as a necessary pretreatment by magnetic separation.

In this investigation slime produced in the mill by this process contained 29.6% of tungstic oxide, and 7.4% of tin. Gravity concentration of the sample resulted in a concentrate containing 57.5% of tungstic oxide and 11.1% of tin, with recoveries of 53.8 and 41.7% respectively.