

PROJECTSYeelirrie Uranium Development (W.A.)

- Western Mining Corp. Ore is low-grade (0.14 per cent U308), but easy open-cut recovery.

Phase I (1979-1981) - feasibility study consisting of further drilling, and construction and operation of Kalgoorlie research pilot plant to determine appropriate metallurgical process.

Phase II (1982-1984) - development of open-pit mine, mill and associated facilities to produce 2,500 TPY uranium oxide (yellow coke) and 1,000 TPY vanadium oxide. Total cost, \$400 million.

Government approvals have been received; Phase I is under way, handled by WMC in-house.

Ranger Uranium Project (N.T.)

- Ranger Uranium Mines Pty Ltd. (Peko Wallsend Operations, Electrolytic Zinc Co.). \$780 million. 100,000 tonnes of uranium. Development of mine, mill and treatment facilities for 3,000 TPY uranium oxide. Agreement with Northern Land Council over aboriginal rights signed in November 1978, government approval to proceed received in January 1979. Work began in April 1979 for completion early 1982. Wright Engineers in joint venture with Davy Pacific (U.K.) obtained contract for design, construction and commissioning. Wright is responsible for technical design. Kilborn Engineers did consultancy work in tailings disposal. Atco supplied prefab housing. September 1980; detailed design almost completed, construction of ore-treatment plant half completed, stripping of overburden begun.

Nabarek Uranium Project (N.T.)

- Queensland Mines (Kathleen Investments 50 per cent, Noranda). \$80 million. Agreement with Northern Land Council signed December 1978. Mining begun in May will be completed by end of 1979. Processing plant to be ready second half of 1980 and shipments of 1,100 TPY of uranium oxide to Japan should begin 1981 and continue for 8-10 years.

Koongarra Uranium Project (N.T.)

- Denison Mines (acquired in Sept. 1980 from Noranda). \$90 million. Deposit averages .3 per cent uranium oxide. 1,000 TPY for 12 years followed by a five year rehabilitation. Must include Australian partner for 75 per cent interest before operations begin.