Challenging questions

31. During the reporting period ending 30 June 2022, Midnight Boll Ltd constructed a nuclear power generator just outside of Melbourne. The cost of the power generator and associated technology amounted to \$12,550,000. Other costs associated with the construction amounted to:

	- 5
Costs incurred in obtaining access to the site	2 500 500
Power permits	400 500
Engineers' fees	1 100 500
NOTHER COLOR	4 00 1 500

The plant was ready to start generating power on 1 July 2022, with actual generation starting on 1 October 2022. At the end of the power plant's useful life, which is expected to be 10 years, Midnight Boil Ltd is required by the government to dismantly the plant, remove it, and return the site to its original condition. After consulting its own engineers and environmentalists, Midnight Boil Ltd estimates these costs to be:

	5
Dismantling the plant	750 500
Environmental remediation costs	1.249 500
Replacement of flors and fauna	100 000
	2 100 000

Midnight Boil Ltd uses a discount rate of 10 per cent.

Prepare the journal entries necessary to account for the power plant for the years ended 30 June 2022, 30 June 2023 and 30 June 2024, Ignore depreciation, LO 4.3, 4.7

4.31 30 June 2022

Dr	Power generator	17 361 050	
Cr	Cash/Accounts payable (12 550 000 + 4 001 500)		16 551 500
Cr	Provision for restoration costs		809 550
	(to recognise the power generator at its cost of construction)		

As we can see above, at the end of the reporting year of 30 June 2022, a provision for restoration costs must be created. The provision is the best estimate of the expenditure required to settle the obligation. Provisions are to be recorded at present value, pursuant to paragraph 45 of AASB 137 Provisions, Contingent Liabilities, and Contingent Assets, which states:

the amount of a provision shall be the present value of the expenditures expected to be required to settle the obligation.

The estimated site restoration costs of \$809 550 (\$2 100 000, payable in 10 years, discounted at 10 per cent, which equals $$2 100 000 \times 0.3855$) are added to the cost of the power generator. The costs incurred in dismantling the power generator, removing it and restoring the site to its original condition are costs that are necessary to realise the future economic benefits embodied in the asset, and the required expenditure has been included in the cost of the asset.

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Huangqi Zhang

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