



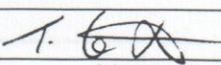
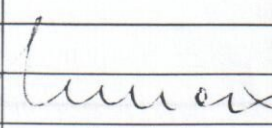
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**Technical report**

**Title:**

**Costs of decommissioning of the  
nuclear power plant at Dodewaard**

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00	10.11.99	SR / R. Paul, J. Dux		
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## 1 Summary

NIS performed a first cost analysis for the decommissioning of the nuclear power plant Dodewaard in 1994 (NIS report no. 1363/3179/0). GKN based their choice for the decommissioning strategy with a 40-year safe enclosure on that analysis. The second cost estimation was performed within the first phase of the PBC project (1996 – 1997). The results were documented in the GKN report no. 97-025/PBC/R.

Now the cost estimation has been updated again to cover the latest developments (e.g. safety analysis report /1/) and the existing new data base collected within the Dodewaard Inventory System (DIS).

The costs for the decommissioning are calculated as an absolute value and the present value at the 01.01.2000. The present value is calculated with 4% real interest rate. The price level for the calculation is the 01.01.2000. The calculation results for the individual decommissioning phase are as follows (present value given in brackets):

- Preparation for safe enclosure	59.2 MNLG (53.5 MNLG)
- Safe enclosure period (40 years)	52.8 MNLG (22.1 MNLG)
- Dismantling	225.9 MNLG (36.5 MNLG)
- Total	337.9 MNLG (112.1 MNLG)

The individual decommissioning phases require the following manpower:

- Preparation for safe enclosure	189 man-years
- Safe enclosure period (40 years)	110 man-years
- Dismantling	544 man-years
- Total	843 man-years

For more details see the following chapters.