



1984 June 28

TO: B. Gupta / S. Schafer
FROM: C. Pappas
SUBJECT: G-1 Decommissioning

Decommissioning of both reactor and non-reactor facilities is under active consideration throughout the entire international community.

The software model which was developed during the G-1 decommissioning for the cost estimates has already been used on two occasions successfully, the G-1 Decom. Cost estimates and the 3 units of SAN ONOFFRE, U.S.A.

The above opportunities have already given us some experience to face the problems encountered in the course of such activities.

The Lepreau II project will be the next task to do in the very near future.

On this occasion, I would like to suggest that I could spend some additional time to improve the existing model so it will be more flexible to be used for commercial purposes.

The attached page from the AECL Decom Manual illustrates the potential market which can be developed for AECL in case we have a package which is adaptable and flexible to the needs of the market and also fully debugged as it has been already proven correct in the various previous cases.

I hope that my recommendation will be taken into consideration. I intend to combine this task with the MANREM development into a self-sufficient software package meeting the varying market requirements.

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AECL DECOMMISSIONING MANUALBACKGROUND

Decommissioning of both reactor and non reactor facilities is under active consideration throughout the entire international community.

Worldwide, there is a keen interest in decommissioning as witnessed by the participation in international conferences and in technical committee meetings of the IAEA and the OECD.

The potential market that will develop over the next five to ten years is significant and AECL, with the proper marketing strategy, will be well-poised to take advantage of these opportunities.

CURRENT LARGE DECOMMISSIONING PROJECTS

<u>CANADA</u>	GENTILLY-1	(ST. 1) (250 MWe - BLW)
	DOUGLAS POINT	(ST. 1) (200 MWe - PHWR)
<u>UNITED KINGDOM</u>	WINDSCALE	(ST.3) (33 MWe - AGR)
<u>ITALY</u>	GARIGLIANO	(ST.1) (160 MWe - BWR)
<u>FRANCE</u>	RAPSODIE	(ST.2) (40 MT _t - FBR)
	MONTS D'ARREE (EL-4)	(ST.1) (70 MWe - HWGCR)
<u>SWEDEN</u>	AGESTA	(ST.1) (65 MW _t - PHWR)
<u>WEST GERMANY</u>	GUNDREMMINGEN	(ST.1) (250 MWe - BWR)
	NIEDERAICHBACH	(ST.3) (100 MWe - HWGCR)
	LINGEN	(ST.1) (256 MWe - BWR)
<u>JAPAN</u>	JPDR	(ST.3) (90 MW _t - BWR)
<u>UNITED STATES</u>	SHIPPINGPORT	(ST.3) (72 MWe - PWR)