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November 08, 1996  
C301-96-2051

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Gentlemen,

Subject: Saxton Nuclear Experimental Corporation  
Operating License No. DPR-4  
Docket No. 50-146  
SNEC Decommissioning

The purpose of this letter is to submit a site-specific cost estimate for the Saxton Nuclear Experimental Corporation (SNEC) facility as required by 10 CFR 50.82(a)(8)(ii) and satisfy a commitment to have an approved quality assurance plan which meets the requirements of 10 CFR Part 71.101.

Submittal of a site-specific cost estimate is required prior to the use of funding from the decommissioning trust in excess of 23 percent. Attachment 1 is a summary of amounts as identified by the Decommissioning Cost Estimate for the Saxton Nuclear Experimental Facility required to complete decommissioning of the SNEC facility.

In a submittal dated July 18, 1996 GPU Nuclear provided a response to Question 19 of the NRC's request for additional information dated June 6, 1996. That response committed to developing/revising and implementing an approved quality assurance plan during the decommissioning phase which meets the requirements of Part 71.101 prior to the performance of 10 CFR 71 activities. GPU Nuclear has satisfied the commitment by issuing the Saxton Nuclear Experimental Corporation Facility Decommissioning Quality Assurance Plan on October 29, 1996. The plan commits to continued compliance to the NRC approved "GPU Nuclear Operational Quality Assurance Plan", 1000-PLN-7200.01 and 10 CFR Part 71. The Saxton Nuclear Experimental Corporation Facility Decommissioning Quality Assurance Plan is included as Attachment 2.

Sincerely,

G. A. Kuehn Jr.  
Vice President SNEC

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PDR ADDCK 05000146  
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Attachments

cc: Administrator, NRC Region I  
NRC Project Manager NRR  
NRC Project Scientist, Region I

# **SAXTON DECOMMISSIONING PROJECT COST SUMMARY**

Category	Cost	Contingency (%)	Contingency (\$'s)
<b>DOC (Utility) staff</b>			
Preparations Phase	\$2,037,726	15%	\$305,659
Operations Phase	\$4,585,483	15%	\$687,823
Survey Phase	\$890,177	15%	\$133,527
Restoration Phase	\$884,696	15%	\$132,704
<b>Subtotal DOC</b>	<b>\$8,398,082</b>		<b>\$1,259,712</b>
<b>Activity Dependent staff</b>			
Preparations Phase	\$0		
Operations Phase	\$1,336,013	25%	\$334,003
Survey Phase	\$620,040	15%	\$93,006
Restoration Phase	\$189,011	15%	\$28,352
<b>Subtotal Activity</b>	<b>\$2,145,064</b>		<b>\$455,361</b>
<b>Radwaste Disposal/Processing</b>			
Reactor Vessel (Barnwell)	\$633,645	50%	\$316,823
Steam Generator (Barnwell)	\$245,407	25%	\$61,352
Metal (SEG)	\$547,491	25%	\$136,873
Asbestos (Barnwell)	\$343,640	25%	\$85,910
Shipping Containers (Asbestos)	\$27,357	15%	\$4,104
Dry Active Waste (SEG)	\$64,586	25%	\$16,146
Lead (SEG)	\$18,192	25%	\$4,548
Concrete (Envirocare)	\$508,440	25%	\$127,110
<b>Subtotal Radwaste</b>	<b>\$2,388,758</b>		<b>\$752,865</b>
<b>Shipping Costs</b>			
Reactor Vessel/Steam Generator	\$116,094	25%	\$29,024
Asbestos (Barnwell)	\$2,624	15%	\$394
Metal (SEG)	\$11,022	15%	\$1,653
Lead (SEG)	\$1,837	15%	\$276
Dry Active Waste (SEG)	\$1,837	15%	\$276
Concrete (Envirocare)	\$174,356	15%	\$26,153
<b>Subtotal Radwaste</b>	<b>\$307,770</b>		<b>\$57,775</b>
<b>Specialty Contractor Services</b>			
RPV/SG Packaging	\$1,246,708	25%	\$311,677
RPV/SG Heavy Lift	\$159,568	25%	\$39,892
NRC Review & Subcontractors	\$329,500	15%	\$49,425
Decommissioning Consulting	\$500,000	15%	\$75,000
<b>Subtotal Specialty</b>	<b>\$1,735,776</b>		<b>\$475,994</b>
<b>Installation of Support Facilities/Systems</b>			
Design/Construction Support Bldg.	\$388,500	25%	\$97,125
Design/Construction RPV laydown area	\$46,674	25%	\$11,669
Potable water and septic system	\$20,852	25%	\$5,213
<b>Subtotal Facility/Systems</b>	<b>\$456,026</b>		<b>\$114,007</b>

# **SAXTON DECOMMISSIONING PROJECT COST SUMMARY**

Category	Cost	Contingency (%)	Contingency (\$'s)
<b>Materials and Equipment</b>			
Heavy Equipment Rental	\$664,048	25%	\$166,012
Capital Equipment Year 1	\$200,000	25%	\$50,000
Capital Equipment Year 2	\$125,000	25%	\$31,250
Capital Equipment Year 3	\$75,000	25%	\$18,750
Capital Equipment Year 4	\$75,000	25%	\$18,750
Activity Dependent Collateral Costs	\$216,045	25%	\$54,011
Period Dependent Collateral Costs	\$1,413,824	25%	\$353,456
Subtotal Materials & Equipment	\$2,768,917		\$692,229
<b>Subtotal Project</b>	<b>\$18,200,393</b>		<b>\$3,807,943</b>
Average Contingency		17%	
<b>Total Project</b>	<b>\$22,008,336</b>		