



REED COLLEGE

October 5, 2010

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

REACTOR FACILITY

3203 Southeast

Woodstock Boulevard

Portland, Oregon

97202-8199

telephone

503/777-7222

fax

503/777-7274

email

reactor@reed.edu

web

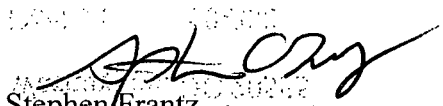
<http://reactor.reed.edu>

Docket: 50-288
License No: R-112

We have reanalyzed the decommissioning costs for the Reed College Research Reactor.
The new estimate is approximately \$2,250,000. Please see attached for details.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 10-5-10


Stephen Frantz

Director, Reed Research Reactor

October 2, 2010

A020
NRR

Decommission Costs for the Reed College Research Reactor in 2010 Dollars

A. LLRW Burial Costs: \$105,000

Disposal costs at Richland, WA in 2010: $\approx \$200/\text{ft}^3$.

Volume of material to be disposed: 522 ft^3

1. Aluminum tank liner and 6 inches of concrete next to the liner: 467 ft^3
2. Rotating Specimen Rack and Reflector: 12 ft^3
3. Core Support Structure: 10 ft^3
4. Miscellaneous: 25 ft^3

Disposal costs = $(\$200/\text{ft}^3) (522 \text{ ft}^3) \approx \$105,000$

B. Labor Costs: \$1,600,000

Staff	Work-years	Rate (\$/hr)	Cost (\$)
Director	1.00	\$50	\$100,000
Assoc. Director	1.00	\$20	\$40,000
Clerical	0.25	\$50	\$25,000
Health Physicist	0.25	\$50	\$25,000
QA Engineer	0.25	\$100	\$50,000
Consultant	0.25	\$100	\$50,000
Labor			
Shift Engineer	1.00	\$75	\$150,000
Craftsmen	2.00	\$75	\$300,000
Crew Leader	0.50	\$75	\$75,000
Utility Operator	0.25	\$75	\$37,500
Labor	4.00	\$75	\$600,000
HP Tech	1.00	\$75	\$150,000
Total			$\approx \$1,600,000$

C. Support Costs for Spent Fuel Shipment: \$100,000.

D. 25% Contingency: \$450,000.

Total: \$2,250,000