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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

May 30, 1990

Mr. Lynn Mize
Westinghouse Hanford Company
P.O. Box 1970
Richland, WA 99352

Dear Mr. Mize:

As follow-up to discussions with Westinghouse and USDOE personnel regarding the Ecology and EPA Cost Analysis Study, I am requesting the below listed information. The letter serves as formal documentation to items previously requested verbally. For your ease, the list follows the format of our interviews.

In response to these questions it is important to provide as specific an answer as possible. Where no information or documentation is available on a subject, please specify it as such.

305 B Storage Facility

- a. Provide all the supporting financial documentation generated in support of budget years FY 89, 90, and 91. This includes all data generated in support of ADSs, cost account plans, and any other supporting information WHC or USDOE has available which is used to document actual and estimated costs.
- b. What is the exact cost breakdown for operating the 305 B storage facility? Identify annual operational and capital costs for years FY 89, 90, and 91. Attempt to categorize engineering, operations, training costs, etc. List the total number of people, by job classification, who work at this facility.
- c. What specific permitting costs have been incurred or are estimated to be incurred for years FY 89, 90, and 91?
- d. Provide documentation for the estimated \$500,000 cost savings in disposal cost by permitting this facility rather than contracting with Westinghouse?
- e. Provide the basis for the \$600,000 estimate by Westinghouse in developing a permit for PNL.
- f. What specific guidance did Westinghouse provide PNL for development of the 305B facility permit?



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- g. What are the contractual arrangements between PNL and the USDOE with respect to waste management?
- h. Please provide a list of all internal reviewers, including PNL and USDOE, who review this permit prior to public release. What are their functions?

2727s Storage Facility

- a. Provide all the supporting financial documentation generated in support of budget years FY 86, 87, 88, 89, 90, and 91. This includes all data generated in support of ADSs, cost account plans, and any other supporting information WHC or USDOE has available which is used to document actual and estimated costs.

Identify specific tasks including those undertaken by IT, WHC, and outside consultants, etc. Identify the projected costs for future work including plan revision and conducting actual closure activities? Provide the assumptions for the projected costs.

Please account for analysis costs of \$1000 per sample. Were any other labs considered for analysis? Who made the decision to contract with this particular lab and why?

Please breakdown the \$170,000 allocated to site characterization. What does this include?

- b. Who specifically made the decision on how clean closure would be achieved? Who reviewed this decision in WHC and USDOE?
- c. What role did Hart Crowser play in the decision making process? What work was performed by Hart Crowser? What instructions were given to them?
- d. What closure options were actually considered pertaining to closure? Provide the cost breakdown analysis of each option considered.
- e. Discussions took place regarding how this facility is considered as an "orphan child". Please identify who was and currently is responsible for this facility? Estimate how much the ownership issue has contributed to the overall cost.
- f. Please provide a list of all internal reviewers, including WHC and USDOE, who review this plan prior to public release. What are their functions?

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- g. Identify the outside consulting firm(s) USDOE uses as part of their review. Provide costs for this review and specify at what point in the review process this action is undertaken.

616 Storage Facility

- a. Provide all the supporting financial documentation generated in support of budget years FY 87, 88, 89, 90, and 91. This includes all data generated in support of ADSs, cost account plans, and any other supporting information WHC or USDOE has available which is used to document actual and estimated costs.
- b. What is the breakdown of the \$429,000 associated with the permitting process? What specifically constitutes the 66K spent for materials during the permitting process?
- c. What are the actual costs of sampling and analytical work done by 616 staff? What impacts these costs? Are these costs figured into the cost of disposal or billed directly to the generator?
- d. Provide an itemized cost of operations.
- e. What are the analytical fees? What impacts analytical fees? Who determines which lab is used for analysis?
- f. What were the costs of operating this facility prior to PNL's leaving?
- g. Who decided to build the facility and who approved it?
- h. Who participated in preparing the permit? List all firms involved from project inception, their specific contribution, and hours charged.
- i. Please provide a list of all internal reviewers, including WHC and USDOE, who review this permit prior to public release. What are their functions?
- j. Identify the outside consulting firm(s) USDOE uses as part of their review. Provide costs for this review and specify at what point in the review process this action is undertaken.
- k. What parties are involved in inspecting the facility during a year?
- l. Identify the training requirements of 616 staff and hours required. Identify which courses are driven by regulations or USDOE orders. List these regulations and orders.

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- k. What is the staff turnover rate at this facility?
- l. What specific activities fall under the classification of Engineering Services?

Well Installation

- a. Provide all the supporting financial documentation generated in support of budget years FY 88, 89, 90, and 91. This includes all data generated in support of ADSs, cost account plans, and any other supporting information USDOE and Contractors has available which is used to document actual and estimated costs.
- b. Provide detailed cost estimates by specific task (or actual costs incurred) for LERF, the B16 Crib, and 300-FF-5.
- c. How are the sites prioritized and who is part of that process?
- d. Who makes the decision on how many ground water monitoring wells and vadose wells are to be drilled at each site? Describe this decision-making process.
- e. How will lowering the area from NQA1 to NQA3 status effect the cost of drilling?
- f. How do capital costs effect the drilling of RCRA wells?
- g. Why are PNL costs higher? Do they have a higher overhead? Why? What workplans did PNL and their consultants write? What did they cost? How do these costs compare to Westinghouse costs?
- h. What are KEH procurement methods?
- i. What accounts for the cost difference between WHC geoscientists and PNL geoscientists?

MISCELLANEOUS

- a. Provide a list of all DOE monitors and their duties and assigned tasks.
- b. Provide a USDOE estimate of the number of DOE monitors necessary to adequately review project costs.
- c. Provide copies of all guidance provided by WHC to staff for the development of budget proposals.

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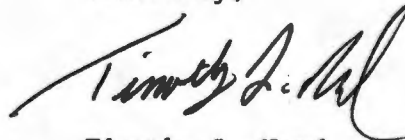
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- d. Provide copies of all guidance provided by USDOE and WHC to field staff regarding budget submittals and the TPA. Specifically, what guidance has been provided to Program Managers, Plant Supervisors, Program staff, and DOE Monitors to segregate actual TPA costs from those costs not associated with TPA mandates.
- e. Provide copies of all memoranda generated within WHC on the subject of non-TPA costs included within TPA ADSs.
- f. Provide copies of guidance, policies, or Charters regarding executive level review of budget submittals. Please provide a specific description of this review process and the level of detail provided in each level of review. Provide a status report on the findings of the USDOE TPA audit with respect to executive level review.

I would appreciate submittal of item a. in each category by June 6, 1990. All other items should be provided by June 13, 1990.

Thank you in advance for your assistance. If you have any questions, please contact me.

Sincerely,



Timothy L. Nord
Hanford Project Manager

cc: Steve Wisness, USDOE
Paul Day, EPA RL
Jess Abed, B & C
Roger Stanley

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