



Department of Energy
Washington, DC 20585

November 8, 2000

MEMORANDUM FOR: PAUL W. KRUGER
ASSISTANT MANAGER FOR SCIENCE AND TECHNOLOGY
RICHLAND OPERATIONS OFFICE

FROM: CHERIE FITZGERALD *Cherie Fitzgerald*
CHIEF OPERATING OFFICER
OFFICE OF DEFENSE NUCLEAR NONPROLIFERATION

SUBJECT: HEADQUARTERS YEAR-END PERFORMANCE
EVALUATION OF BATTELLE FOR THE MANAGEMENT
AND OPERATION OF THE PACIFIC NORTHWEST
NATIONAL LABORATORY (PNNL) FOR FISCAL YEAR 2000

Attached is the consolidated response for the evaluation of Battelle in the management of Pacific Northwest National Laboratory for the Office of Defense Nuclear Nonproliferation for fiscal year 2000. Comments backing up the scores are included for individual programs.

If you have any questions concerning the evaluation, please contact Leslie Pitts
(202-586-79946, lcs.pitts@hq.doe.gov).

Attachments 1. Consolidated Program Office Evaluation of PNNL for Fiscal Year 2000
2. Most Relevant Rating Comments

**Attachment 1. Consolidated Program Office Evaluation of PNNL for Fiscal Year 2000
For the Office of Defense Nuclear Nonproliferation (NN)**

Program Area	Budget (\$M)	Value Points Assigned				Overall Program Score
		Research Quality*	Relevance To Mission	Research Facilities	Research Management*	
Nonproliferation Research and Engineering (NN-20)	\$ 17	4.57	4.52	N/A	4.46	4.52
International Nuclear Safety (NN-30)	\$ 51	4.50	4.0	N/A	4.50	4.33
Arms Control and Nonproliferation (NN-40)	\$ 11	4.00	4.00	N/A	4.00	4.00
International Material Protection and Emergency Cooperation (NN-50)	\$ 9	4.05	4.05	N/A	4.05	4.05
NN Average		4.41	4.11	N/A	4.38	4.30

*The programs in NN-30, NN-40 and NN-50 are generally not focused on research and development. Therefore, evaluations were provided based on the measures of "Quality of Technical Support", and "Effectiveness of Technical Support Management" rather than "Research Quality" and "Research Management".

Attachment 2. Most Relevant Rating Comments

Research Quality

The PNNL program does an exceptional job in focussing research toward NN-20 mission areas. They are involved in very high quality original and creative scientific endeavors, which are validated externally through peer-reviewed publications and expressions of interest by users and collaborators. No other source has demonstrated the capability to match PNNL's contribution to the Nuclear Materials Analysis program; by developing several different technologies for ultra-sensitive gas-phase effluent analysis for WMD detection and innovative designs for mass spectrometry detectors

PNNL provided creative and innovative solutions to technical problems implementing nuclear safety activities at Soviet-designed nuclear power plants. Specific examples include substantial progress in completing the replacement heat plant at Chornobyl despite significant obstacles and completing ahead of schedule several safety parameter display systems and plant simulator projects.

In order to meet policy objectives and in order to carry out its program activities, NN-42 relies heavily on technical support from PNNL. Actions are timely and dependable.

The training programs developed for the International Material Protection and Emergency Cooperation (NN-50) program are examples of innovative solutions PNNL developed for establishing in-country tools that can be used by upgrades site teams. The innovative concepts and approaches used by PNNL in the National Programs complements the lab's consistently good performance in receiving high quality key deliverables.

Relevance to Mission

The PNNL has continued to excel in their delivery of high quality research and engineering products for radionuclide nuclear explosion monitoring. PNNL's 1998 R&D 100 award-winning team has delivered to our Air Force customer two prototype monitoring systems for commercialization (each designed to different user specifications) and another two are well under development for delivery in 2001 and 2002. A recent program review (August 1-3,2000) with the user (AFTAC) drew praise that PNNL's work is a model for the way research should be done; beginning with requirements definition, prototype development, transition to users (including support for commercialization when appropriate) and ending with actual deployment.

PNNL provided substantial support to DOE mission objectives through improvements in the nuclear safety of Soviet-designed nuclear power plants. Activities were implemented in a manner that supported the broader DOE strategic objectives rather than just focused on PNNL interests.

Program Management

PNNL has a strong group of management experts who have a solid grasp of oversight and the strategic plan for the program. PNNL's contributions are executed in a manner consistent with the goals and objectives of the strategic plan of DOE and other national programs (from NN-50).

PNNL provided sound technical management of the international nuclear safety program activities (NN-30) during a period of significant management changes both at DOE headquarters and within the PNNL management structure. PNNL management continued to support numerous DOE requests for support in a timely and productive manner.



Department of Energy
National Nuclear Security Administration
Washington, DC 20585

December 7, 2000

Ms. Deborah E. Trader, Director
Science and Technology Programs Division
U.S. Department of Energy
Richland Operations Office
P.O. Box 550 K8-50
Richland, WA 99352

**Subject: Performance Feedback from the Office of Defense Nuclear Nonproliferation (DOE-NN)
about Pacific Northwest National Laboratory's (PNNL) FY00 Performance**

Dear Ms. Trader:

In addition to the performance feedback obtained from the NN Directorates, I wanted to document my assessment of PNNL's performance integrated across the entire NN Organization.

To recap the meeting I had with you and Mike Kluse on July 25, 2000, the performance feedback I provided you was on behalf of Rose Gottemoeller, Acting Deputy Administrator for Defense Nuclear Nonproliferation, and myself. Rose provided me her feedback prior to departing on an unexpected trip to Russia.

- PNNL's performance for NN has not changed from FY99--it continues to be outstanding. PNNL is second to none and is smack right at the top.
- Rose and I have not one complaint about PNNL. It is a well-managed, well-run organization that continually produces quality work in a timely and highly professional manner.
- We cannot cite any areas for improvement. We are very positive about our PNNL interactions and our support from your office.

Please let me know if you need any additional details or feedback on the information noted above or have any questions.

Sincerely,

Kenneth E. Baker
Acting Deputy Administrator for
Defense Nuclear Nonproliferation

