Dave - Jim T asked me to review. I confirmed w/ G. Nardella everything was okay. He handled it. For your records. Barry

Office of Science

Science for America's Future www.science.doe.gov

Office of the Director
Washington, DC 20585

Fujitsu Dex 530	Verification
202 586-4120	202 586-5434

DATE: 9/13

TO: Barry S 3 - 8462

FROM: Jim T

(NAME/OFFICE SYMBOL/TELEPHONE NO.)

This transmittal consists of 8 pages, (including cover sheet).

Comments: — BTA transfer to EM package
— as time permits, pls review + let me know if OK
Thanks, JT

Department of Energy
Washington, DC 20585

MEMORANDUM FOR JESSIE H. ROBERSON
ASSISTANT SECRETARY
FOR ENVIRONMENTAL MANAGEMENT

KATHLEEN A. CARLSON
ACTING DEPUTY ADMINISTRATOR
FOR DEFENSE PROGRAMS
NATIONAL NUCLEAR SECURITY ADMINISTRATION

FROM: JAMES F. DECKER
ACTING DIRECTOR
OFFICE OF SCIENCE

SUBJECT: Transfer of Excess Facility at the Los Alamos National Laboratory from the Office of Science to the Office of Environmental Management

Attached is a Memorandum of Agreement (MOA) in which the Office of Science (SC) documents its request to transfer the Tritium Systems Test Assembly (TSTA) facility at Technical Area 21 (TA-21) at the Los Alamos National Laboratory (LANL) to the Office of Environmental Management (EM). SC and EM staffs have developed this MOA jointly.

The TSTA facility, which was built to develop and demonstrate the deuterium-tritium fuel cycle technology for next-step fusion devices, has completed its mission and will no longer be needed by the SC Fusion Energy Sciences program. In order to begin preparing the facility for this transfer, SC, acting through LANL and with assistance provided by EM's National Facility Deactivation Initiative (NFDI), initiated stabilization activities in 2000 in parallel with completing the technical research activities in 2001. SC's stabilization activities should be completed by early 2003. When all stabilization activities are completed, SC will transfer responsibility for the TSTA facility to EM.

Per DOE Order 430.1A, "Life Cycle Asset Management," excess contaminated facilities are transferred from the program, which owns the facility, to EM for final disposition. The Pipeline Working Group (PWG), led by Andrew P. Szilagyi (EM-22), was established to implement transfers such as this. EM-22 has already conducted a walk-through and inspection of the facility and determined the required end state for transfer. The MOA identifies this end state and acknowledges that SC is responsible for achieving it.

Since DP, in the National Nuclear Security Administration, is the landlord for LANL, it is appropriate to have DP be a signatory to the MOA. DP is also in the process of returning certain land tracts to local entities, a process in which there is significant congressional interest; and TA-21 is part of this conveyance and land transfer program at LANL. Early EM involvement in the overall cleanup of TSTA would help expedite the transfer of this parcel.

Consistent with the requirements of DOE Order 430.1A and as described in the MOA, the Chief Financial Officer has transferred $460,000 of FY 2003 target funds from SC to EM in the final FY 2003 allowance for preparation of the FY 2003 OMB budget request. These funds will be used to cover the costs of the surveillance and maintenance of the TSTA facility. This funding is believed by all participants (SC, EM, ALO, LANL) to be sufficient to maintain the facility in a safe and stable condition until its final disposition by EM.

We have been working closely with your offices to accomplish this transfer as quickly and efficiently as possible, and I particularly want to acknowledge the valuable help given to the LANL TSTA project management staff by personnel from EM-22's NFDI. If you or your staff have any questions about this facility, please contact Dr. Michael Roberts, Director, Facilities and Enabling Technologies Division, Office of Fusion Energy Sciences, at 301-903-3068.

Attachment

cc:
B. M. Carnes, CFO
R. Glass, AL

Memorandum of Agreement (MOA)

Transfer of the Tritium Systems Test Assembly (TSTA) Facility at the Los Alamos National Laboratory (LANL)

PURPOSE

The purpose of this MOA is to document and delineate the overall management and financial responsibilities associated with the transfer of the TSTA facility at LANL from the Director of the Office of Science (SC) to the Assistant Secretary for Environmental Management (EM) and to establish the conditions of such a transfer. Given their role as landlord for LANL, it is appropriate for the Deputy Administrator for Defense Programs (DP) to be a signatory of this agreement.

BACKGROUND

Due to completion of the TSTA's mission to develop and demonstrate the deuterium-tritium fuel cycle technology for next step fusion devices in FY 2001, SC Fusion Energy Sciences program will no longer need this facility for program purposes. TSTA is located at Technical Area 21 (TA-21) at LANL. TA-21 is part of the conveyance and land transfer program at LANL where DOE is returning certain land tracts to local entities. There is a significant amount of congressional interest in moving forward with the conveyance and land transfer program as quickly as possible and early EM involvement in the overall cleanup of TSTA would help facilitate the transfer of this parcel.

Per DOE Order 430.1A, "Life Cycle Asset Management", excess contaminated facilities will be transferred from the program, which owns the facility, to EM for final disposition. In accordance with DOE Order 430.1A, SC is responsible for the characterization and stabilization of the facility prior to the transfer to EM. In addition, SC will transfer to EM appropriate budget target in FY 2003 to cover the cost of the surveillance and maintenance (S&M) of the facility until its final disposition by EM. Therefore, the Assistant Secretary for Environmental Management and the Director of the Office of Science enter into this agreement to transfer management and financial responsibilities for the TSTA facility from SC to EM.

BASIS FOR THE MOA

EM, in coordination with SC, conducted a survey and assessment of the TSTA facility that will be transferred and prepared a Survey Report (dated July 2, 2001) documenting the current conditions, S&M, and other requirements for the facility. SC, Albuquerque Operations Office and LANL have all reviewed this Survey Report and agree with the contents of the Report. This Survey Report provides the basis of this agreement.

1. Facility Description

The TSTA facility consists of a TA-21-0155 building laboratory area, supporting systems rooms, offices, and other small laboratory spaces. Originally it was used for the Rover rocket program and for uranium processing prior to 1975. Its use since 1984 has been for experimentation with tritium related to the fusion program. The facility has been designated a moderate hazard nuclear facility. The facility is generally in very good physical condition.

The scope of transfer for the TSTA facility includes 13,510 ft^2 building space and contents as follows:

- TA-21-0155 North, Rooms 5501 and 5508. These 3,700 ft^2 rooms are the main experiment area. They are a 95'x 35' high bay main floor and a mezzanine. Systems contained include those described below as Process Systems.
- TA-21-0155 North, 11 rooms. These include 5,990 ft^2 of uncontaminated supporting lab space (Control room, support center, equipment rooms, power supplies, etc.) Systems contained include those described below as Support and Process Support Systems.
- TA-21-0155 South, 12 rooms. These include 3,820 ft^2 of adjoining office space and light-duty laboratory space

The TSTA space is connected to other LANL facilities to the east by a breezeway. Boundaries of transfer for the building are expected to be the footprint plus six feet in each direction, and any enclosed yards. Boundaries for utilities associated with the facility are expected to be the first source connection, exterior to the facility.

The main experimental area contains tritium and depleted uranium (the latter in hydride storage beds). There are 15 glove boxes in which experiments have been conducted, a control room for process and auxiliaries operation, a variety of support and cleanup systems, and a large capacity experimental room cleanup system that has never been used. A diesel generator is within one of the facility rooms; it is intended to be outside the near term scope of TSTA deactivation.

Systems within the facility are in the following types:

- Process Systems (Loop[1] and non-loop) – These are for the facility's recent mission and include a variety of systems used for simulation of tritium fuel processing for a fusion reactor and for other tritium experimentation.
- Support Systems – Utility services such as electrical, steam, ventilation, fire protection, communication, cooling water, breathing air, general vacuum, and nitrogen.
- Process Support Systems – Control room, backup power (diesel generator and uninterruptible power supply), tritium waste processing, glove boxes, tritium monitoring, experimental air detritiation system, and solid waste.

The building is constructed of 8-inch concrete masonry block. The floors are 4-inch-thick concrete on grade. The roof over the main experimental area is sloped asphalt and gravel and is in good condition. The roof over the auxiliary and office area is 4-inch composite tile and plank P-300 over structural steel members and in fair condition.

ROLES AND RESPONSIBILITIES

1. When SC completes all characterization and stabilization activities, in FY 2003, it will notify EM. EM will then assume overall management and financial responsibilities for the TSTA facility. SC will no longer have any responsibilities for the TSTA facility.

2. SC will transfer a budget target to EM during the DOE FY 2003 budget process to cover the cost of the S&M. With this transfer, EM will become responsible for managing and funding the conduct of S&M, deactivation and eventual decommissioning of the TSTA facility.

3. All previous Delegations of Authority approved by SC will remain in effect unless specifically revised by EM.

4. Prior to transfer in FY 2003, if SC becomes aware of any significant changes in the required S&M activities or if unanticipated changes occur in the facility condition, then SC will identify these changes and coordinate them with EM. SC will also keep EM informed of the progress of characterization and stabilization activities.

5. As it has been doing, DP will continue to provide the necessary utilities (e.g. steam plant) that are required to maintain the facility until it no longer needs these utilities or is decontaminated and decommissioned. The S&M cost includes funding (~$92K) for utilities. If DP transfers the remaining operating and support facilities located at TA-21 to EM, then DP responsibility to provide the utilities will cease and EM will assume this responsibility.

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[1] "Loop" refers to a system to simulate the primary loop in a fusion reactor

PROVISIONS OF TRANSFER INCLUDING AGREED UPON END STATE

Transfer of the TSTA from SC to EM should be conducted with the following criteria for stabilization:

1. The bulk of the tritium will have been removed such that remaining amounts are considered contamination and not accountable material. At the time of the EM survey, TSTA had an inventory of 129 grams. Currently, the inventory is about 80 grams. By the end of 2001, the inventory should be below 30 grams. After all the inventory of mobile tritium has been removed, the remaining tritium will consist of contamination in experimental and process equipment. Forty to fifty items with significant gram-quantity contamination (metal getter beds, molecular sieve beds, cryopumps, and traps, oxidation beds, charcoal beds, oil filters, pump and compressor oil) will be disposed of as waste. The goal is to reduce the total tritium inventory to an amount that will allow re-classification to a radiological facility. However, re-classification to a Category 3 nuclear facility is acceptable if achieving and demonstrating less than 1.6 grams, which is required for re-classification to a radiological facility, can not be done short of disassembling and/or demolishing equipment and systems.
2. Other hazardous materials will have been removed or stabilized, specifically U-238 adsorption materials will be oxidized (or stabilized otherwise) and the power supply battery will be removed.
3. Special knowledge of the facility systems will not be required for remaining operations to perform deactivation, post-deactivation S&M, or decommissioning. Specifically, all operations requiring use of the Tritium Waste Treatment system will be completed and the control systems will not be needed for any operations. The control center will be systematically de-energized.
4. No systems or tanks, either fixed or portable, will remain pressurized. They will have been emptied or removed.
5. Exhaust ventilation and stack monitoring may remain in operation, depending on the facility classification and associated operational requirements.

Further details of activities that must be accomplished by SC are identified in the EM Survey Report of TSTA. When all these activities are completed, TSTA should be in a safe and stable condition and with target transfer, SC will have completed all of its responsibilities consistent with DOE Order 430.1A.

FINANCIAL

S&M for the TSTA facility will be a new activity and SC will transfer $460K of target baseline funding to EM, commencing with FY 2003, to initiate funding of this new activity. EM will assume budgeting responsibility commencing in FY 2003. Since SC will not complete all characterization and stabilization activities until sometime after the start of FY 2003, EM may not need the full $460K for S&M activities in FY 2003. If this is the case, then based on estimates made early in FY 2003 and throughout the year, EM will apply any of the transferred

target baseline funds, projected to be remaining after the S&M activities are carried out in FY 2003, to initiate deactivation activities at TSTA.

In the event, during the characterization and stabilization activities, that congressional appropriations for SC Fusion Energy Sciences program are substantially below expectations such that SC cannot complete these activities in FY 2003, then the MOA is subject to renegotiation.

TIMING

Except as otherwise specified in this agreement, the provisions of this agreement shall take effect on October 1, 2002.

RESOLUTION OF DISPUTES

Both SC and EM will work to resolve cooperatively all issues relating to the planning, budgeting, and execution of this agreement. Given their role as landlord for LANL and their involvement with the conveyance and land transfer program, DP is encouraged to participate in any discussions associated with the TSTA transfer.

Where disputes arising under this agreement cannot be resolved, the matter shall be addressed to the Under Secretary for Energy, Science and Environment.

James F. Decker
Acting Director
Office of Science

Date

Jessie H. Roberson
Assistant secretary
for Environmental Management

Date

Kathleen A. Carlson
Acting Deputy Administrator
for Defense Programs
National Nuclear Security Administration

Date

Jim Hawkins HEAP

cc: M. Johnson, SC-3
P. Dehmer, SC-10
I. Thomas, SC-13
D. Huizenga, EM-20
J. Fiore, EM-30
M. Stahr, EM-34
R. Lange, NE-40
A. Taboas, CH/EPG
G. Malosh, CH/BHG
J. Marburger, BSA

DOE F 1326.8
(3-89)
EFG (07-90)

United States Government **Department of Energy**

memorandum

DATE: April 12, 2000

REPLY TO ATTN OF: EM-34 (Mark Stahr, 301-903-8169)
SC-10 (Stan Staten, 301-903-4950)
NE-40 (Matthew Hutmaker, 301-903-3921)

SUBJECT: Management of the High Flux Beam Reactor and Associated Facilities

TO: Robert San Martin, Manager, Chicago Operations Office (CH)

On November 16, 1999, Secretary of Energy Bill Richardson announced that the High Flux Beam Reactor (HFBR), located at Brookhaven National Laboratory in Long Island, New York, would be permanently closed. The Office of Science (SC) and the Office of Nuclear Energy, Science, and Technology (NE) have reached agreement with the Office of Environmental Management (EM) to transfer the management responsibility for the HFBR to EM in accordance with the Department's Life Cycle Asset Management practice for excess facilities. This approach is aimed at a seamless stabilization-deactivation-decommissioning process for the HFBR by taking advantage of respective program strengths.

Attached is the Memorandum of Agreement (MOA) which provides the conditions of transfer and outlines program authorities governing the future management of the HFBR and associated support facilities.

The undersigned appreciate the collective efforts among our respective organizations and the Chicago Operations Office. In a relatively short amount of time, the Department has developed and is now ready to implement a definitive path forward for this facility. We extend our gratitude to you and your staff.

Please contact Patricia Dehmer (SC), Robert Lange (NE), or James Fiore (EM) if you have any questions or wish to discuss this agreement further.

James F. Decker
Acting Director
Office of Science

Carolyn L. Huntoon
Assistant Secretary for
Environmental Management

William D. Magwood IV
Director
Office of Nuclear Energy, Science, and Technology

Attachment

Memorandum of Agreement
Management of the High Flux Beam Reactor

Background

On November 16, 1999, Secretary of Energy Bill Richardson announced that the High Flux Beam Reactor (HFBR), located at the Department of Energy's (DOE) Brookhaven National Laboratory (BNL) on Long Island, New York, would be permanently closed. The Office of Science (SC) and the Office of Nuclear Energy, Science, and Technology (NE) have reached agreement with the Office of Environmental Management (EM) to transfer the management responsibility for the HFBR to EM. In accordance with DOE's Life Cycle Asset Management (LCAM) practice for excess facilities, SC is currently responsible for the stabilization and characterization of the HFBR. Because this facility represents a legacy for the Brookhaven site and, as such, will become increasingly more visible to our regulators and stakeholders, it is agreed that stabilization and characterization activities will be better accomplished under EM's program direction

This transfer focuses DOE's efforts on disposition of the HFBR facility. The approach is designed to the needs of the site, DOE's regulators, and Brookhaven stakeholders including affected employees. This agreement provides a framework that allows for HFBR stabilization, deactivation and decontamination and decommissioning (D&D) to occur without disrupting DOE's current set of environmental cleanup projects. It also identifies a clear plan of action for the facility's ultimate disposition. Finally, this agreement facilitates efficiencies that can be realized by managing this work together with the D&D activities currently underway for the Brookhaven Graphite Research Reactor (BGRR).

Provisions of Transfer

Under this agreement the Office of Environmental Management accepts ownership for HFBR. The agreement further stipulates that the Senior EM Management Team within Chicago Operations Office (CH) directly manages SC funding for the HFBR during the remainder of fiscal year (FY) 2000 and for all of FY 2001. During this time frame, CH and EM agree to work collaboratively and in consultation with SC in a manner similar to that being executed for the BGRR Immediately upon signature of this Memorandum of Agreement by all parties, EM assumes programmatic authority for all HFBR-related activities, including the following:

1. Providing technical direction to BNL through DOE-CH's Brookhaven Group (BHG)

2. Maintaining the facility's safety envelope, determining the HFBR end state, regulatory approach, stakeholder interactions/outreach, transition staffing, and D&D contracting strategies.

3. Managing existing FY 2000 SC funds allocated to the HFBR estimated to be $9 million remaining on March 31, 2000. Commensurately, EM will also manage SC funds during

FY 2001 in the amount of $16.5 million or as appropriated by Congress.* EM further agrees that the SC funds, identified within this agreement for HFBR in FY 2000-01, will be spent in support of facility deactivation, stabilization, and/or activities supporting D&D. Based upon current project planning, project reviews, and facility walk-downs, EM can expect to accomplish sufficient work by the end of FY 2001 to significantly reduce the surveillance and maintenance program.

4. FY 2001 HFBR funds to support the Center for Neutron Science are in addition to the above amount and will remain under SC's programmatic authority.

5. SC agrees to transfer $5 million of FY 2002 budget target to EM in the FY 2002 budget formulation process. This budget will fund any associated surveillance and maintenance activities at the facility beginning in FY 2002. SC and EM agree that this amount may exceed the actual amount needed to support the HFBR Transition/D&D project. Both parties further agree that EM will exercise its programmatic authorities to expend this differential in a manner that best serves an accelerated clean up of all environmental concerns at Brookhaven, including HFBR. EM agrees that upon completion of the cleanup effort at Brookhaven, including HFBR D&D, budget target in the amount of not less than $5 million will be returned to SC, together with responsibility for any residual long-term stewardship issues. This transfer of funds will be in accordance with the close out of the facility when any residual surveillance and maintenance responsibilities are returned to the landlord program (presumably SC).

6. EM agrees to retain program responsibility and complete the D&D of the HFBR using EM funds appropriated by Congress in a manner consistent with risk-based priorities established with DOE's regulators. Further, this agreement reflects an approach that should not negatively impact the current planned environmental restoration program being executed under DOE's Interagency Agreement with the Environmental Protection Agency and the State of New York.

7. EM agrees that the sum total of funds, existing EM funds plus those SC funds, identified within this agreement will be maintained at the Brookhaven site for the sole purpose of completing all environmental restoration activities including HFBR in an accelerated manner (i.e., planned for in FY 2008 or sooner). EM agrees that notwithstanding congressional action, none of these funds included within this agreement will be diverted to other cleanup sites within the DOE complex unless there is a direct benefit to the Brookhaven site.

* In the event that the FY 2001 congressional appropriation results in a funding level substantially below $16.5 million and is determined to be insufficient to perform facility stabilization/deactivation activities identified for FY 2001, this and related aspects of the MOA are subject to renegotiation.

8. SC agrees to facilitate the transition of the facility with their direct involvement on two key issues: (1) SC agrees to work with other DOE Operations Offices and SC laboratories to seek homes for scientific equipment or instrumentation still residing within the HFBR; and (2) SC agrees to directly work with CH, the Office for Arms Control and Nonproliferation, and other DOE Operations Offices and SC laboratories to seek alternative sites for materials presently residing in the HFBR vault.

9. NE agrees to fund three (3) full-time equivalents (FTEs) in FY 2000 and 2001 to further support the disposition of the HFBR. These FTEs are currently encumbered by BHG employees The NE FTEs and the related program direction funding target for FY 2002 are to be transferred to EM. EM agrees to provide sufficient program direction funds to cover needed Permanent Change of Station moves. In addition, SC agrees to provide program direction funds in FY 2001 ($150,000) and in FY 2002 ($150,000) to CH in support of D&D staff transition and support activities.

10. The transferred facilities and real properties included within the provisions of this agreement are listed below. Should DOE later designate any other BNL facilities as excess, they would be addressed in a separate MOA under the Department's LCAM Order.

Building Number	Build/Property Description
704	Fan House
707	HFBR Cooling Tower
707A	Valve House
707B	Equipment House
	Cooling Tower Drain Lines
705	Reactor Stack
	Reactor Stack Off-Gas Duct
715	Reactor Stack Shack
750	HFBR
751	Cold Neutron Facility Compressor Building
	CNF Trailer (offices)
	CO2 Receiver Tanks
	Emergency Nitrogen System Storage Tank
752	Hold-up Tank (Tank 310)
	Propane Storage Tank and Line
	Light Water Makeup Storage Tank
	D Waste Line to Bldg.801
	Sanitary Lines
	Horizontal Monitoring Wells (2)

Department of Energy
Washington, DC 20585

AUG 31 2001

MEMORANDUM FOR JESSIE HILL ROBERSON
ASSISTANT SECRETARY
FOR ENVIRONMENTAL MANAGEMENT

FROM: JAMES F. DECKER
ACTING DIRECTOR
OFFICE OF SCIENCE
Milton D. Johnson For

SUBJECT: Request for FY 2001 Transfer of 23 Pacific Northwest National Laboratory Office of Science Excess Facilities to the Office of Environmental Management for Final Disposition

Purpose: The purpose of this memorandum is to transmit the Memorandum of Agreement (MOA), which documents the transfer of overall management and financial responsibilities for 23 facilities in the 300 and 600 Areas at Richland, Washington, from the Office of Science (SC) to the Office of Environmental Management (EM).

Background: SC has determined that these 23 facilities are no longer required for SC needs and are excess to the Pacific Northwest National Laboratory mission. Therefore, this transfer is requested consistent with the requirements of Department of Energy Order 430.1A, *Life Cycle Asset Management* (LCAM), which establishes that contaminated excess facilities will be transferred to EM for final disposition. As stated in the attached MOA, funding for surveillance and maintenance of these facilities is currently in the EM baseline; therefore, a funding and budget target transfer will not be required.

If you have any questions, please contact Margaret E.M. Tolbert on 301-903-4097.

Attachment

cc w/attachment:
D. Huizenga, EM-20
A. Szilagyi, EM-22
W. Levitan, EM-40

Memorandum of Agreement

Transition of Excess Facilities at the Hanford Site

Purpose

The purpose of this Memorandum of Agreement (MOA) is to document the transfer of the overall management and financial responsibilities from the Office of Science (SC) to the Office of Environmental Management (EM) for 23 facilities, including ancillary support buildings, located in the 300 and 600 Areas at the Hanford Site near Richland, WA, and the conditions agreed to by EM and SC for transfer of the facilities.

Background

The Office of Science has determined that these facilities are no longer required for SC needs and are excess to the Hanford Site mission. Therefore, the Assistant Secretary for EM and the Acting Director for SC enter into this agreement to transfer management responsibility for the facilities from SC to EM in accordance with Department of Energy (DOE) Order 430.1A, "Life Cycle Asset Management," which establishes that contaminated excess facilities will be transferred to EM for final disposition. Under DOE Order 430.1A, the Office of Science, as the current owner of the facilities, is responsible for the characterization and stabilization of the facilities prior to the transfer to EM and for the removal of hazardous chemical and radioactive materials. DOE Order 430.1A also requires the current owner to transfer appropriate funding and budget target to EM to safely survey and maintain the facilities. Because funding for the surveillance and maintenance of these facilities is currently in the EM baseline, a funding and budget target transfer will not be required.

The transfer of these 23 facilities from SC to EM is in direct support of the goals identified in the Accelerated 300 Area Closure Project. It is also important that the transfer take place prior to October 1, 2001, since the Pacific Northwest National Laboratory (PNNL) has allocated funds to prepare the facilities for transfer this year, and it is unknown if funding would be available in FY 2002 or beyond.

Facilities to be Transferred

Most of the facilities to be transferred were originally used in support of the Manhattan Project or the Nike missile program and subsequently converted to alternate uses. The following facilities will transfer:

- 303C, Material Evaluation Laboratory, was originally used for unirradiated uranium, chemical, and uranium scrap storage. It was later used for the assembly and experiments for prototypical nuclear material detectors.

- 303J, Material Storage Building, was originally used to store unirradiated uranium and other materials from the fuel fabrication process. Its most recent use was as a storage building and as office space.

- 314, Engineering Development Laboratory, was originally used to fabricate uranium metal fuel for single pass production reactors.
- 314B, Stress Rupture Test Facility, is attached to the northwest corner of 314 and was used for conducting high pressure experiments.
- 3614A, River Monitoring Station, is a metal-sided structure used to take samples from the Columbia River.
- 3708, Radio-analytical Laboratory, was originally used to process personnel dosimeter badges and meters and later renovated as a fuel fabrication facility.
- 3731, Lab Equipment Central Pool, formerly provided space for storage and loan pool service.
- 3731A, Graphite Machine Shop, provided graphite machining service to Hanford contractors.
- 3745, Radiological Calibrations and Standards Facility, contains a vault and storage tubes for numerous radioactive sources.
- 3745B, Positive Ion Accelerator Facility, provided shielded laboratory space for calibration and research work.
- 3762, Technical Security, originally housed construction workers during the Manhattan Project and later was used as office space.
- 3764, Office Building, housed staff from PNNL research organizations and support groups.
- 6652C, Space Science Laboratory, was formerly used as a barracks and administration facility and was part of the Nike radar control center.
- 6652CSHED, Storage Building, was used as a storage facility for programs associated with the observatory and Building 6652C.
- 6652D, Pumphouse, was used to provide fire protection water for Building 6652C.
- 6652DOME2, Atmospheric Facility, formerly held a telescope but is now empty.
- 6652G, Arid Land Ecology (ALE) Field Storage, originally used as barracks by the Army. Most recently used for storage of equipment and samples primarily for use by the Radiological Sciences Department of PNNL.
- 6652H, ALE Laboratory II, originally served as a mess hall by the Army Core of Engineers. After the Nike program was decommissioned, it provided primary support to the terrestrial field programs operating on the ALE Reserve.
- 6652I, ALE Headquarters, was originally used by the Nike missile program. PNNL used the facility as office and laboratory space.
- 6652J, ALE Laboratory II, was originally used by the Nike missile program and was modified in 1967 to contain laboratories, growth chambers, offices and storage space.
- 6652LP, Rattlesnake Mountain Lower Pumphouse, was used to pump water from the springs located in a nearby concrete enclosure.
- 6652M, Fallout Laboratory, was originally used by the Nike missile program and most recently used for field sample preparation of animal tissue and vegetation by PNNL.
- 6652UP, Rattlesnake Mountain Upper Pumphouse, receive water from the lower Pumphouse and provided it to the Rattlesnake Mountain facilities.

The boundaries of transfer for all buildings are defined as facility footprint plus approximately 6 feet from each facility and any enclosed yards. Boundaries for utilities associated with each facility are the first source connection exterior to the facility.

Basis for the MOA

Extensive walk-downs and assessments have been conducted of each facility by field office personnel (DOE and contractors). In addition, a summary level survey was conducted by the Office of Integration and Disposition (EM-20) with support from National Facility Deactivation Initiative (NFDI) technical staff. Survey Reports have been prepared documenting current conditions, surveillance and maintenance, and other requirements for these facilities. These reports and assessments show that the facilities covered under this MOA have been sufficiently characterized and stabilized to comply with DOE Order 430.1A requirements and provide the basis for this agreement.

Provisions of Transfer

A series of walk-downs and assessments have been conducted and are used as a basis for identifying the applicable provisions for transfer of the identified facilities.

1. EM will become responsible for all programmatic responsibilities associated with buildings identified above, including managing and funding the conduct of surveillance and maintenance (S&M), and deactivation and decommissioning, prior to October 1, 2001 (FY 2002).

2. Prior to transfer, SC will maintain the facilities in a stable and known condition, including maintaining safety systems and utilities in place at the time this MOA was executed. Any significant changes in S&M activities will be coordinated with EM. SC will inform EM of any unanticipated changes in facility conditions, and the impact of changes that affect the stability and/or the S&M requirements. Based on the extent of these changes in facility conditions, this MOA may be subject to re-negotiation.

3. All Delegations of Authority to the Richland Operations Office approved by SC will remain in effect unless specifically revised by EM.

Financial

EM has already assumed funding responsibility for the S&M of the 23 facilities covered under this MOA. FIN plan changes have been made each year to transfer funds to PNNL to ensure that the facilities were maintained in a safe and stable condition. Transfer of funding and budget target from SC to EM is not required. Transfer of funds will be within EM at the site Project Baseline Summary (PBS) level.

Timing

Except as otherwise specified in this agreement, the transfer of responsibilities for these facilities from SC to EM will take effect on the date this MOA is signed by both parties, anticipated to be in August 2001, but no later than October 1, 2001.

Resolution of Disputes

The Offices of Science and Environmental Management will work cooperatively to resolve any issues relating to the planning, budgeting, and execution of this agreement. Where disputes arising under this agreement cannot be resolved, the matter shall be addressed to the Under Secretary for Energy, Science and Environment.

For

James F. Decker
Acting Director
Office of Science

8/31/01

Date

Jessie Hill Roberson
Assistant Secretary
for Environmental Management

Date