

Enclosure 9

Letter, Felton to Jackson

Dated: July 27, 1998

Felton

Department of Energy

Oak Ridge Operations
P.O. Box 2001
Oak Ridge, Tennessee 37831—

May 15, 1998



Dr. Robert I. Van Hook
President
Lockheed Martin Energy Systems, Inc.
Post Office Box 2009
Oak Ridge, Tennessee 37831-8010

Dear Dr. Van Hook:

**AUTHORIZATION TO RESUME OPERATIONS OF THE ENRICHED URANIUM
OPERATIONS (EUO) PHASE A1 ACTIVITIES AT THE Y-12 PLANT**

In accordance with the Department of Energy (DOE) Order 425.1, *Startup and Restart of Nuclear Facilities*, the necessary preparations have been made to ensure that all EUO Phase A1 activities can be operated safely. This authorization is based upon the successful verification of closure of all prerestart findings from the various reviews conducted on the EUO Phase A1 and is subject to the enclosed listed conditions; therefore, Lockheed Martin Energy Systems, Inc., is authorized to resume operations of the Phase A1 processes in the EUO as specified by the conditions of this letter.

I have assigned the DOE Y-12 Site Office to verify closure of these conditions and, based upon the Y-12 Site Manager's recommendation, will authorize removal of these conditions. You are authorized to compartmentalize your requests to remove our conditions for operations in the E-, M-, and O- Wings and accountability areas.

Sincerely,

A handwritten signature in black ink, appearing to read "James C. Hall".

James C. Hall
Manager

CONDITIONS FOR RESUMPTION OF ENRICHED URANIUM OPERATIONS

1. Prerestart findings (LMES ORR, DOE ORR, and YSO) from the various LMES and DOE reviews shall be verified closed by DOE. Findings may be compartmentalized for operations in E-, M-, and O-Wings and accountability areas for purposes of satisfying this condition with the approval of the Y-12 Site Manager.
2. Corrective Action Plans shall be approved and in place for all postrestart findings (LMES and DOE ORRs) prior to restart and YSO postfindings by June 5, 1998.
3. Mentors shall act as compensatory measures for activities defined by Attachment D, Mentor Safety Oversight Coverage, and Attachment C, Mentor Strategy III Oversight Program, of Y/MA 7309, *Enriched Uranium Operations Mentor Program*.
4. Compensatory measures shall remain in effect as prescribed in the readiness-to-proceed letter, "Contract DE-AC05-84OR21400, Readiness to Proceed with Phase A-1 Enriched Uranium Operations (EUO)," dated April 28, 1998.
5. DOE shall be notified in a timely manner prior to conducting any work requiring continuous and periodic oversight, as defined by the attached "YSO Postrestart Oversight Categorization." The Facility Representative, or designated replacement, must be contacted in a timely manner by EUO Operations. For continuous oversight, a YSO representative and a member of either LMES senior or EUO line management must be present before any fissile material work can be commenced. Prerequisite activities to include prejob briefs, system alignments, and procedure prerequisites can be accomplished as long as no fissile material is moved or processed by such activities. Continuous coverage will be required until the requirements have been relaxed by the Y-12 Site Manager.
6. The LMES Vice President, Restart Operations, shall formally request from the Y-12 Site Manager removal of any of these conditions when sufficient operational performance is accomplished.
7. LMES shall ensure that functional and properly tested emergency lighting is present in the process areas of EUO. Compensatory measures may remain in effect for emergency egress after process shutdown.
8. Qualified Criticality Safety Engineers shall be present as significant fissile operations are performed until LMES can assure DOE that criticality assumptions are valid and controlled through Criticality Safety Requirements implemented on the floor.
9. Any processes, which have not been exercised under cold operations such as E-Wing Dry Vacuum or 700 Pour-Up Station, shall be exercised in accordance with the LMES, *Enriched Uranium Operations (EUO) Startup Plan*, Y/MA 7367, before introducing fissile material into the operations.
10. Authorization Agreements shall be approved.

Attachment: YSO POSTRESTART OVERSIGHT CATEGORIZATION

Continuous	Periodic	Routine	CASTING PROCESSES
	P		Process Ventilation E-Wing
	P		Break and Shear
	P		Casting, E/W Lines
	P		Dry Vacuum, E-Wing
		R	Inventory and Ventilation
	P		Metal Sampling
		R	Pack & Ship
		R	Storage, E-wing
C			Ultrasonic Chip Cleaning
C			Chip Packaging & Briquetting
		R	Container & Material Handling
		R	Mop Water Pour-up
C			Pickling
		R	Utilities
C			Ventilation Surveillances - Stacks 38 & 48

Continuous	Periodic	Routine	MACHINING PROCESSES
		R	Fire Protection, 9215
	P		M-Wing Ventilation
	P		Accountable Vacuum
		R	Building 9981 Certification
	P		Chip Processing & Packaging
	P		Chuck Vacuum
		R	H2 Dimensional Inspection
	P		Machine Coolant
	P		Machining Operations
		R	Mop Water/Floor Scrubber
		R	Utilities
C			Ventilation Surveillances - Stack 3

Continuous	Periodic	Routine	ROLLING & FORMING PROCESSES
		R	O-wing Ventilation
		R	Billet Salt Bath
C			Gantry Robot System
C			Hydroform Press
	P		Hydroform Oven
C			Process Rolling Mill
		R	Plate Salt Bath
	P		Roller Leveler
C			Scrap Shear
	P		Sheet Rinse System
		R	Utilities

Continuous	Periodic	Routine	ACCOUNTABILITY AT PROCESSES
C			9818 Tanks & Tankers (for JPA-CW-PUS-001, C-1 Wing, NR-F-700 Pour Up Station)
	P		9818 Tanks & Tankers (except as noted above)
		R	Non-SNM Door
	P		Package & Sampling, Chemical Areas
C			B-1 Lab (For all samples to release material to unsafe geometry)
	P		B-1 Lab (except as noted above)
		R	General Receiving & Shipping
	P		High Capacity Evaporator
	P		NDA Lab
		R	SNM Transfer Station
		R	Storage, Chemical
	P		Wet Vacuum
		R	CAAS
		R	Fire Protection, 9212
		R	Utilities

Continuous	Periodic	Routine	OSR SURVEILLANCES
	P		OSR Surveillances (besides Stack 3, 38 & 48)

5/14/98

U.S. Department of Energy
Oak Ridge Operations Office
and
Lockheed Martin Energy Systems
Authorization Agreement
for the
Building 9212 Complex

1. The Department of Energy (DOE), has determined:
 - a. Through a series of comprehensive reviews, that facilities will be operated in compliance with the Standards/Requirements Identification Document (S/RID), as identified in Contract Number DE-AC05-84OR21400 between DOE and Lockheed Martin Energy Systems (LMES).
 - b. Through review and approval, the *Basis for Interim Operations (BIO)*, Y/MA-7254, Y-12 Site Office (YSO) Safety Evaluation Report (SER), and the *Operational Safety Requirements*, Y/MA-7255, YSO - SER for Building 9212 Enriched Uranium Operations Complex and Facility Safety Evaluation Team Phase I Report, A-Wing/9996 Production Machining adequately document the analysis of the facility hazards, specifies the controls necessary to prevent accidents and/or mitigate the effects of events involving facility hazards, and defines a safety management program which affords an acceptable level of safety to the public, the workers and the environment. These documents are subject to revision and the current documents are listed in a DOE controlled Authorization Basis List. The list cannot be revised without review and approval by DOE.
 - c. Through the completion of the following final Environmental Impact Statements (EISs) and associated Records of Decision, the operation of the facility will not be adverse to the common defense and security or to the health and safety of the public: (1) Final Programmatic EIS for Stockpile Stewardship and Management (DOE/EIS-0236); (2) Final Programmatic EIS for the Storage and Disposition of Weapons Usable Fissile Material (DOE/EIS-0229); (3) Final EIS for Disposition of Surplus Highly Enriched Uranium (DOE/EIS-0240).
 - d. Through the performance of an Operational Readiness Review (ORR), as well as periodic internal and external assessments, development and execution of corrective actions from these assessments, there is reasonable assurance the facility can be operated without endangering the health and safety of the public, the workers or the environment; and that LMES is technically qualified to engage in the activities authorized by the Authorization Agreement.

2. The Authorization Agreement applies to the Building 9212 complex located within the industrialized area of Y-12 Plant site in Oak Ridge, Tennessee. This facility, major functions, subsystems and support facilities are described in the *Basis for Interim Operation for Building 9212 Enriched Uranium Operations Complex*, (Y/MA-7254), the Facility Safety Evaluation Team Phase I Report, A-Wing/9996 Production Machining, and the Final Environmental Impact Statements for Stockpile Stewardship and Management (DOE/EIS-0236), Storage and Disposition of Weapons Usable Fissile Material (DOE/EIS-0229), and Disposition of Surplus Highly Enriched Uranium (DOE/EIS-0240).
3. The scope of activities authorized in conjunction with the operation of 9212 Facility are defined by: (a) the Work Authorization Directives and Change Control process specified in Contract Number DE-AC05-84OR21400; (b) new activities are evaluated and authorization to conduct the work is obtained through the DOE Y-12 Site Office approval of conditional operations in support of national priority activities; (c) the *Basis for Interim Operation for Building 9212 Enriched Uranium Operation Complex* (Y/MA-7254); (d) the Final Environmental Impact Statements for Stockpile Stewardship and Management (DOE/EIS-0236), Storage and Disposition of Weapons Usable Fissile Material (DOE/EIS-0229), and Disposition of Surplus Highly Enriched Uranium (DOE/EIS-0240). The following activities involving the processing, handling, and storage of radioactive material are authorized following the completion of a DOE ORR and subject to the conditions specified in the DOE restart approval letter signed by the DOE Manager.
 - a. Processing enriched uranium to produce uranium metal and compounds suitable for storage, reactor fuels, specialty applications, or weapons components.
 - b. Recovery and purification operations for enriched uranium salvage and reuse, storage, or accountability of the enriched uranium contained therein. The majority of the enriched uranium salvage is generated by the Y-12 Plant's weapon production, disassembly operations and recovery processes. Recovery and purification processes authorized through the ORR include:
 - Headend operations (Headhouse, B-1, C and C-1 Wing)
 - Non Destructive Analysis
 - Continuous recovery and purification operations (B-1, C-1, and C Wing)
 - Evaporation
 - Waste streams and materials recovery (Buildings 9212, 9818, and 9815)
 - Materials storage and handling
 - c. Casting operations: preparation of metal feed, casting of metal into parts, machining of metal parts, and packaging of materials for shipment in E-Wing.
 - d. Product certification activities: x-ray and hydrostatic density (Building 9981).

- e. Storage of materials including enriched and depleted uranium materials, weapons parts containing enriched uranium and commercial recovery scrap, in approved shipping/storage containers in vaults, security hardened vault-type cages, and rooms or storage arrays.
- f. Radioactive samples and sources may be stored and used within Building 9212 and may be transferred between Building 9212 and analytical laboratories or other LMES facilities as required to support Building 9212 operations.
- g. Waste may be stored or transferred to other waste handling facilities at the Oak Ridge site as required to support Building 9212 operations, including contaminated waste.
- h. Fissile material movement activities, including those necessary to support authorized activities and shipping and receiving activities via building docks.

Special Nuclear Materials (SNM) intraplant receipt and shipments using the SNM transfer vehicles for physical movement of SNM between Building 9212 and other Material Access Areas/Material Balance Areas within the Y-12 Plant.

- 4. Operation of the Building 9212 Complex is subject to the following requirements and conditions:
 - a. In accordance with Contract Number DE-AC05-84OR21400 the S/RID identifies the rules, regulations, orders, standards, and directives of DOE and other federal, state, or local agencies that are applicable to the activities associated with Building 9212 facilities. Authorized deviations shall be documented by LMES and approved by DOE through Corrective Action Plans including exemptions requests, compliance schedule agreements, implementation plans; or through modification of the S/RID, as appropriate. New or revised requirements shall be incorporated into the S/RID in accordance with the S/RID change control process established by DOE. LMES shall ensure compliance commitments, including post resumption findings from the DOE and LMES ORRs, are tracked and completed within established time frames agreed to by DOE.
 - b. LMES shall operate the Building 9212 Complex in accordance with the operational controls specified in safety basis documents (BIO and OSR) on the Authorization Basis List maintained by DOE.
 - c. DOE shall maintain and control an Authorization Basis List. LMES shall maintain the 9212 Building Complex consistent with the facility configuration (hardware, procedures and organizationally) through an Unreviewed Safety Question Determination process compliant with DOE Order 5480.21.

- d. LMES shall comply with applicable requirements specified in the Y-12 Plant site wide environmental permits: (1) Y-12 Site National Pollutant Discharge Elimination System Permit issued by the Tennessee Department of Environment and Conservation (permit no. TN002968, effective 4/28/95); (2) Y-12 Site Industrial and Commercial User Wastewater Discharge Permit issued by the City of Oak Ridge (Permit no. 1-91, effective 8/25/97); (3) Y-12 Site fugitive emissions Air Pollution Control Operating Permit issued by the Tennessee Department of Environment and Conservation (Permit no. 046044P).
 - e. LMES shall comply with the requirements specified in Air Pollution Control Operating Permits 743807P, 730301P, and 025984P, and Hazardous Waste Storage and Treatment Permit TNHW-084 (effective date 9/28/95), all issued by the Tennessee Department of Environment and Conservation.
5. This Authorization Agreement is subject to the conditions specified in Contract Number DE-AC05-84OR21400 between LMES and DOE. DOE and LMES agree to the conditions and limitations contained therein. The conditions and limitations within this Authorization Agreement are effective upon the date of signature by both parties and shall expire upon expiration or termination of Contract Number DE-AC05-84OR21400. Revisions to lower tier documents (for example, the BIO, OSR, S/RIDS, etc.) will not require resubmittal and reapproval of this Authorization Agreement. These documents are approved by DOE including their Implementation Plans.



Robert I. Van Hook, President
Lockheed Martin Energy Systems

5/15/98

Date



James C. Hall, Manager
DOE Oak Ridge Operations

5-15-98

Date

U.S. Department of Energy
Oak Ridge Operations Office
and
Lockheed Martin Energy Systems
Authorization Agreement
for the
Building 9215 Complex

1. The Department of Energy (DOE), has determined:
 - a. Through a series of comprehensive reviews, that facilities will be operated in compliance with the Standards/Requirements Identification Document (S/RID), as identified in Contract Number DE-AC05-84OR21400 between DOE and Lockheed Martin Energy Systems (LMES).
 - b. Through review and approval, the *Basis for Interim Operations (BIO) for the 9215 Complex Enriched Uranium Operations*, Y/MA-7290, DOE - YSO Safety Evaluation Report (SER), the *Operational Safety Requirements (OSR) for the 9215 Complex Enriched Uranium Operations*, Y/MA-7291, DOE-YSO SER, the Hazard Screening for 9998 H-1 Foundry, Hazard Screening for Rolling and Forming Operations in 9215 Third Mill/P-Wing adequately document the analysis of the facility hazards, specifies the controls necessary to prevent accidents and/or mitigate the effects of events involving facility hazards, and defines a safety management program which affords an acceptable level of safety to the public, the workers and the environment. These documents are subject to revision and the current documents are listed in a DOE controlled Authorization Basis List. The list cannot be revised without review and approval by DOE.
 - c. Through the completion of the following final Environmental Impact Statements (EISs) and associated Records of Decision, the operation of the facility will not be adverse to the common defense and security or to the health and safety of the public; (1) Final Programmatic EIS for Stockpile Stewardship and Management (DOE/EIS-0236); (2) Final Programmatic EIS for the Storage and Disposition of Weapons Usable Fissile Material (DOE/EIS-0229); (3) Final EIS for Disposition of Surplus Highly Enriched Uranium (DOE/EIS-0240).
 - d. Through the performance of an Operational Readiness Review (ORR) for Enriched Uranium Operations, Readiness Assessments for Depleted Uranium Operations and Receipt, Shipment and Storage, as well as periodic internal and external assessments, development and execution of corrective action plans from these assessments, there is reasonable assurance the facility can be operated without endangering the health and safety of the public, the workers or the environment; and that LMES is technically qualified to engage in the activities authorized by the Authorization Agreement.

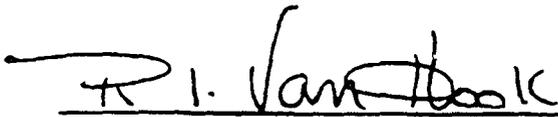
2. The Authorization Agreement applies to the Building 9215 complex located within the industrialized area of Y-12 Plant site in Oak Ridge, Tennessee. This complex, major functions, subsystems and support facilities are described in the *Basis for Interim Operation for the 9215 Complex Enriched Uranium Operations*, (Y/MA-7290), Hazard Screening in building 9998 for H-1 Foundry Hazard Screening for Rolling and Forming Operations in 9215 Third Mill/P-Wing, the Final Environmental Impact Statements for Stockpile Stewardship and Management (DOE/EIS-0236), Storage and Disposition of Weapons Usable Fissile Material (DOE/EIS-0229), and Disposition of Surplus Highly Enriched Uranium (DOE/EIS-0240).
3. The scope of activities authorized in conjunction with the operation of the Building 9215 complex are defined by: (a) the Work Authorization Directives and Change Control process specified in Contract Number DE-AC05-84OR21400; (b) new activities are evaluated and authorization to conduct the work is obtained in accordance with requirements specified in DOE Order 425.1, Startup and Restart of Nuclear Facilities, as implemented in LMES approved procedures (New Activity Start-up Requirements); (c) the *Basis for Interim Operations in 9215 Complex Enriched Uranium Operations* (Y/MA-7290); (d) the Final Environmental Impact Statements for Stockpile Stewardship and Management (DOE/EIS-0236), Storage and Disposition of Weapons Usable Fissile Material (DOE/EIS-0229), and Disposition of Surplus Highly Enriched Uranium (DOE/EIS-0240). The following activities involving the processing, handling, and storage of radioactive material are authorized per above following completion of a DOE ORR and subject to the conditions specified in the DOE restart approval letter signed by the DOE Manager.
 - a. Metal forming and machining operations for uranium (enriched and depleted) parts manufacture.
 - b. Processes for Enriched Uranium Operations including: heat treating, annealing, rolling, washing, shearing, storage and forming in O-Wing; machining operations and storage in M-Wing; inspection, and storage in the H-2 area.
 - c. Processes for Depleted Uranium Operations as well as nonradiological metals (such as aluminum and stainless steel) including: heat treating, rolling, and forming in P-Wing; rolling, blanking, and heat treating in the Third Mill; casting and cleaning in H-1 Foundry.
 - d. Storage of materials, including enriched and depleted uranium materials, weapons parts containing enriched uranium and recovery scrap/salvage, in approved shipping/storage containers in vaults, security hardened vault-type cages or area storage arrays.
 - e. Radioactive samples and sources may be stored and used within the Building 9215 complex and may be transferred between Building 9215 and analytical laboratories or other LMES facilities as required to support Building 9215 operations.

- f. Waste may be stored or transferred to other waste handling facilities at the Oak Ridge site as required to support Building 9215 operations, including radioactive contaminated waste.
- g. Fissile material movement activities, including those necessary to support authorized activities and shipping and receiving activities via building docks.

Special Nuclear Materials (SNM) intraplant receipt and shipments using the SNM transfer vehicles for physical movement of SNM between Building 9215 and other Material Access Areas/Material Balance Areas within the Y-12 Plant.

- 4. Operation of the Building 9215 Complex is subject to the following requirements and conditions:
 - a. In accordance with Contract Number DE-AC05-84OR21400, the S/RID identifies the rules, regulations, orders, standards, and directives of DOE and other federal, state, or local agencies that are applicable to the activities associated with the Building 9215 complex. Authorized deviations shall be documented by LMES and approved by DOE through Corrective Action Plans including exemptions requests, compliance schedule agreements, implementation plans; or through modification of the S/RID, as appropriate. New or revised requirements shall be incorporated into the S/RID in accordance with the S/RID change control process established by DOE. LMES shall ensure compliance commitments, including post resumption findings from the DOE and LMES ORRs, are tracked and completed within established time frames agreed to by DOE.
 - b. LMES shall operate the Building 9215 Complex in accordance with the operational controls specified in safety basis documents (BIO and OSR) on the Authorization Basis List maintained by DOE.
 - c. DOE shall maintain and control an Authorization Basis List. LMES shall maintain the Building 9215 Complex consistent with the facility configuration (hardware, procedures and organizationally) through an Unreviewed Safety Question Determination process compliant with DOE Order 5480.21.
 - d. LMES shall comply with applicable requirements specified in the current Y-12 Plant site wide environmental permits: (1) Y-12 Site National Pollutant Discharge Elimination System Permit issued by the Tennessee Department of Environment and Conservation (Permit no. TN002968, effective 4/28/95); (2) Y-12 Site Industrial and Commercial User Wastewater Discharge Permit issued by the City of Oak Ridge (Permit no. 1-91, effective 8/25/97); (3) Y-12 Site fugitive emissions Air Pollution Control Operating Permit issued by the Tennessee Department of Environment and Conservation (Permit no. 046044P).

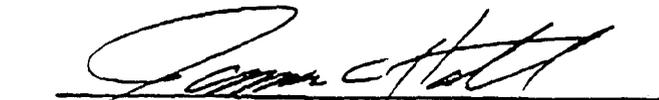
- e. LMES shall comply with the requirements specified in Air Pollution Control Operating Permits 731839P, 732125P, 025966P, and 730323P issued by the Tennessee Department of Environment and Conservation.
5. This Authorization Agreement is subject to the conditions specified in Contract Number DE-AC05-84OR21400 between LMES and DOE. DOE and LMES agree to the conditions and limitations contained therein. The conditions and limitations within this Authorization Agreement are effective upon the date of signature by both parties and shall expire upon expiration or termination of Contract Number DE-AC05-84OR21400. Revisions to lower tier documents (for example, the BIO, OSR, S/RIDs, etc.) will not require resubmittal and reapproval of this Authorization Agreement. These documents are approved by DOE including their Implementation Plans.



Robert I. Van Hook, President
Lockheed Martin Energy Systems

5/15/98

Date



James C. Hall, Manager
DOE Oak Ridge Operations

5-15-98

Date



Department of Energy

Oak Ridge Operations
P.O. Box 2001
Oak Ridge, Tennessee 37831—

June 8, 1998

Dr. Robert I. Van Hook
President
Lockheed Martin Energy Systems, Inc.
Post Office 2009
Oak Ridge, Tennessee 37831-8010

Dear Dr. Van Hook:

AUTHORIZATION TO RESUME FISSILE MATERIAL OPERATIONS OF THE ENRICHED URANIUM OPERATIONS (EUO), PHASE A1, E-WING ACTIVITIES AT THE Y-12 PLANT

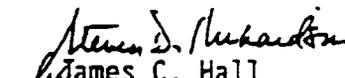
The Department of Energy (DOE) Operational Readiness Review (ORR) Team has completed an independent review of their recommended conditions for restart made in the DOE ORR final report, entitled *Department of Energy Operational Readiness Review of Resumption of Enriched Uranium Operations, Phase A1, at the Oak Ridge Y-12 Plant*, dated May 1998. The DOE ORR Team concluded that these conditions have been satisfied, based upon the review of closure of the EUO Phase A1 prerestart corrective actions and the resolution of issues regarding the function and operability of safety systems.

The Y-12 Site Office (YSO) has confirmed that all necessary preparations to resume operations of the casting lines in the E-Wing have been completed and has provided their recommendation to resume operations in this portion of the EUO.

Based upon the recommendations of the YSO staff and the DOE ORR Team and in accordance with the Department of Energy (DOE) Order 425.1, *Startup and Restart of Nuclear Facilities*, Lockheed Martin Energy Systems, Inc., is authorized to commence operations in E-Wing, subject to the conditions mandated in the restart authorization letter to you dated May 15, 1998, entitled "Authorization to Resume Operations of the Enriched Uranium Operations (EUO) Phase A1 Activities at the Y-12 Plant." As stated in the DOE authorization letter, a YSO representative will be present at the specified operations until relaxed by the Y-12 Site Manager.

Should you have any questions, please contact Bob Spence at 576-0755.

Sincerely,


James C. Hall
Manager



Y-12 Site Office

Department of Energy

Oak Ridge Operations Office
P.O. Box 2001
Oak Ridge, Tennessee 37831-8555

July 20, 1998

Dr. Robert I. Van Hook
President
Lockheed Martin Energy Systems, Inc.
Post Office 2009
Oak Ridge, Tennessee 37831-8010

Dear Dr. Van Hook:

AUTHORIZATION TO RESUME FISSILE MATERIAL OPERATIONS OF THE ENRICHED URANIUM OPERATIONS (EUO), PHASE A1, ACCOUNTABILITY ACTIVITIES AT THE Y-12 PLANT

On June 5, 1998, the Department of Energy (DOE) Operational Readiness Review (ORR) Team recommended proceeding in accordance with my letter of May 15, 1998, entitled "Authorization to Resume Operations of the Enriched Uranium Operations (EUO) Phase A1 Activities at the Y-12 Plant."

The Y-12 Site Office (YSO) has confirmed that all necessary preparations to resume the Phase A1 operations in the Accountability Processes have been completed and has provided their recommendation to resume operations in this portion of the EUO.

Based upon the recommendations of the YSO staff and the DOE ORR Team and in accordance with the DOE Order 425.1, *Startup and Restart of Nuclear Facilities*, Lockheed Martin Energy Systems, Inc. (LMES) is authorized to commence operations in the Phase A1 Accountability Processes.

With the authorization to commence Accountability Processes, LMES has been authorized to resume all EUO Phase A1 activities. The enclosed conditions supersede the restart conditions mandated in the above-mentioned May 15, 1998, letter.

Should you have any questions, please contact Bob Spence at 576-0755.

Sincerely,

A handwritten signature in black ink, appearing to read "James C. Hall".

James C. Hall
Manager

CONDITIONS FOR RESUMPTION OF ENRICHED URANIUM OPERATIONS

1. Compensatory measures shall remain in effect as prescribed in the readiness-to-proceed letter, "Contract DE-AC05-84OR21400, Readiness to Proceed with Phase A1 Enriched Uranium Operations (EUO)," dated April 28, 1998, and the "Updated and Supplementary Information for Phase A1 Readiness to Proceed Letter," dated April 30, 1998.
2. Qualified Criticality Safety Engineers shall be present as significant fissile material operations are performed, which shall be interpreted as those operations governed by Criticality Safety Evaluations (CSEs). The Criticality Safety Engineer's presence is required until the Criticality Safety Engineer has verified and documented that the assumptions of the CSE are valid and that all the necessary controls from the CSE are properly stated in the Criticality Safety Requirement.
3. Any processes, which have not been exercised under cold operations such as E-Wing Dry Vacuum or 700 Pour-Up Station, shall be exercised in accordance with the Lockheed Martin Energy Systems, Inc. (LMES), *Enriched Uranium Operations (EUO) Startup Plan, Y/MA 7367*.
4. DOE shall be notified in a timely manner prior to conducting any work requiring continuous and periodic oversight, as defined by the "YSO Postrestart Oversight Categorization" that was last updated on July 10, 1998. The Facility Representative, or designated replacement, must be contacted in a timely manner by EUO Operations. For continuous oversight, a YSO representative and a member of either LMES senior or EUO line management must be present before any fissile material work can be commenced. Prerequisite activities to include prejob briefs, system alignments, and procedure prerequisites can be accomplished as long as no fissile material is moved or processed by such activities. Continuous coverage will be required until the requirements have been relaxed by the Y-12 Site Manager.
5. The LMES Vice President, Defense Programs, shall formally request from the Y-12 Site Manager removal of any of these conditions when sufficient operational performance is accomplished.