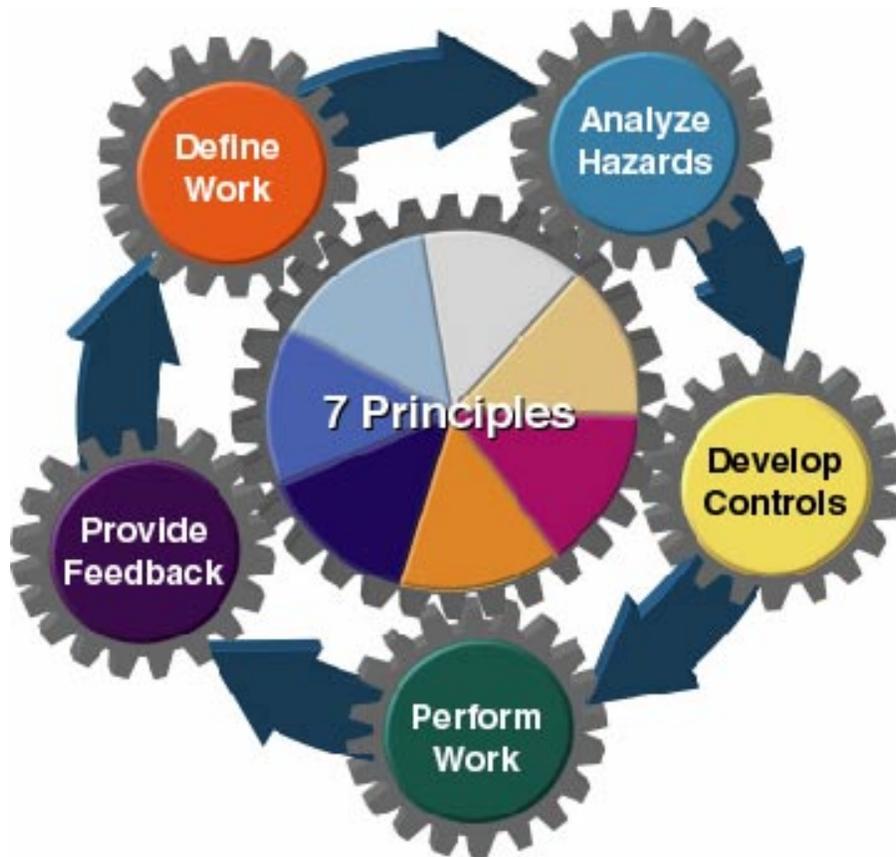
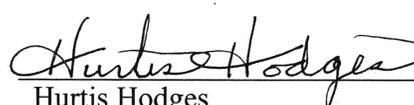
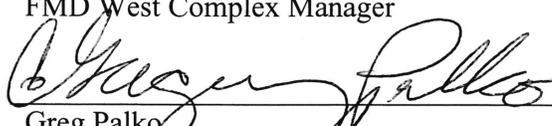
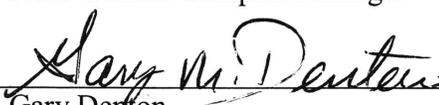


# Facilities Revitalization Project Integrated Safety Management Plan for Personnel and Laboratory Moves



## Facilities Revitalization Project Integrated Safety Management Plan for Personnel and Laboratory Moves

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### Attachments

- A – FY 2003 Laboratory Equipment ES&H Release Plan
- B – FY 2004 Laboratory Equipment ES&H Release Plan

## **Facility Revitalization Project Integrated Safety Management Plan for Personnel and Laboratory Moves**

### **1. Introduction**

The Integrated Safety Management (ISM) System at Oak Ridge National Laboratory (ORNL) is the integration of all the elements of environment, safety, and health (ES&H) into one system. The focus is to work safely. This plan is intended to provide a road map for implementing existing ORNL Standards Based Management System (SBMS) guidance and procedures applicable to Facility Revitalization Project personnel and laboratory moves at ORNL. The plan specifies requirements for ISM implementation, provides references to applicable SBMS procedures and guidance, and provides a summary of ORNL's ES&H program.

All UT-Battelle personnel and subcontractors are expected to be familiar with general ES&H requirements applicable to their work at ORNL. In addition, UT-Battelle personnel and subcontractors must identify and understand hazards of their assigned work, the level of protection required, specific safe work practices, and applicable safety and health requirements. The ISM system provides a formal organized process for planning, performing, assessing, and improving the safe conduct of work. The ISM system encompasses all levels of activities and documentation related to safety management.

Each subcontractor is required by the U.S. Department of Energy Acquisition Regulations (DEAR) "to manage and perform work in accordance with a documented safety system" (DEAR Clause 970.5204-2, "Integration of Environment, Safety, and Health into Work Planning and Execution"). This plan describes how UT-Battelle and subcontractors will perform the five basic functions of ISM.

### **2. Policy**

It is the policy of ORNL to systematically and fully integrate safety into management tools and work practices at all levels, consistent with DOE P 450.6, *Safety Management System Policy*, so the mission of ORNL is successfully accomplished while protecting the public, the worker, and the environment. The ORNL commitment to ISM is affirmed in *Laboratory Policies*, *UT-Battelle Policy for Oak Ridge National Laboratory (ORNL)*. The *Integrated Safety Management System (ISMS) Program Description* (ORNL-LM-003) provides the institutional framework for implementing the policy commitment to ISM, with its five core functions and seven guiding principles.

### 3. Scope

This plan is a road map for applying the appropriate ISM controls from the ORNL SBMS system and ORNL Facility Development Division construction management procedures to the following FRP work:

- Moves/Services Performed by Subcontractors
- Moves Performed by UT-Battelle
- Packing/Unpacking Work Performed by UT-Battelle

### 4. Program Description

A description of the ORNL ISMS is contained in the [\*Integrated Safety Management System \(ISMS\) Program Description\*](#). The *Integrated Safety Management System Program Description* describes UT-Battelle - ORNL's approach to carrying out its mission in a manner that achieves simultaneous excellence in science and technology, laboratory operations, and ES&H, while protecting the worker, the public, and the environment. ORNL has adopted the Integrated Safety Management System (ISMS) by Contract (DEAR Clause 970.5204-2) as the overarching philosophy and approach to systematically integrate safety into management tools and work practices. The ORNL ISMS Program embodies the concepts contained in this DEAR Clause [and also, by reference, as summarized in Department of Energy (DOE) Policy DOE P 450.4, *Safety Management System Policy*].

The ISMS Program provides the institutional framework for implementing the policy commitment to ISMS, with its five core functions and seven guiding principles (see Figures 4-1, 4-2, and 4-3).

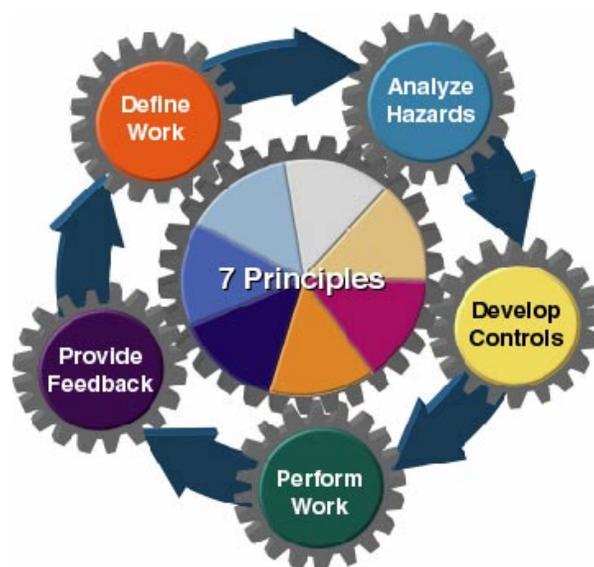


Figure 4-1  
ISMS Five Core Functions and Seven Guiding Principles

### Five ISM Core Functions

1. **Define the Scope of Work** – Missions are translated into work, expectations are set, tasks are identified and prioritized, and resources are allocated.
2. **Analyze the Hazards** – Hazards associated with the work are identified, analyzed, and categorized.
3. **Develop and Implement Hazard Controls** – Applicable standards and requirements are identified and agreed upon, controls to prevent or mitigate those hazards are identified, the safety envelope is established, and controls are implemented.
4. **Perform Work Within Controls** – Readiness is confirmed, and work is performed safely.
5. **Provide Feedback and Continuous Improvement** – Feedback information on the adequacy of controls is gathered, opportunities for improving the definition and planning of work are identified and implemented, line and independent oversight is conducted, and, if necessary, regulatory enforcement actions occur.

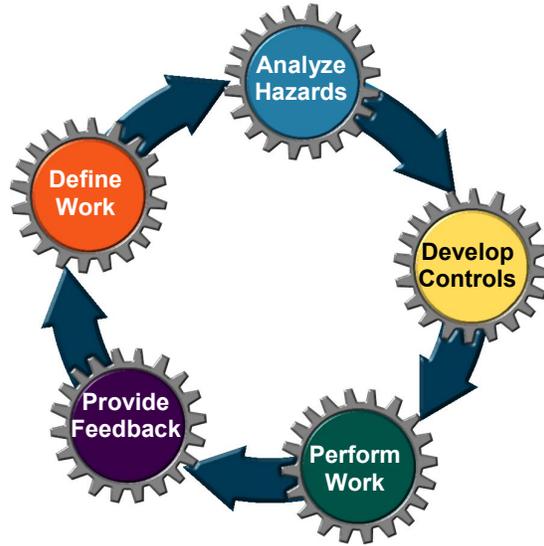


Figure 4-2

ISMS Five Core Functions

### Seven ISM Guiding Principles

1. **Line Management Is Responsible for Safety** – Line management is directly responsible for the protection of the public, the workers, and the environment.
2. **Clear Roles and Responsibilities Are Defined** – Clear and unambiguous lines of authority and responsibility for ensuring safety shall be established and maintained at all organizational levels.
3. **Competence Is Commensurate with Responsibilities** – Personnel shall possess the experience, knowledge, skills, and abilities that are necessary to discharge their responsibilities.

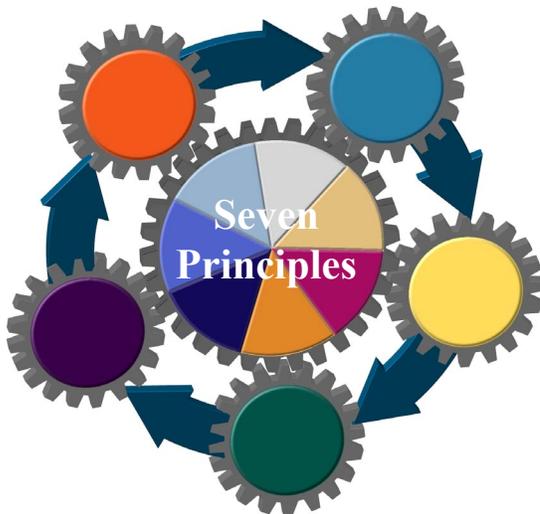


Figure 4-3

Seven ISM Guiding Principles

4. ***Balanced Priorities Are Established*** – Resources shall be effectively allocated to address safety, programmatic, and operational considerations. Protecting the public, the workers, and the environment shall be a priority whenever activities are planned and performed.
5. ***Safety Standards and Requirements Are Identified*** – Before work is performed, the associated hazards shall be evaluated and an agreed-upon set of safety standards and requirements shall be established that, if properly implemented, will provide adequate assurance that the public, the workers, and the environment are protected from adverse consequences.
6. ***Hazard Controls Are Tailored to Work Being Performed*** – Administrative and engineering controls to prevent and mitigate hazards shall be tailored to the work being performed and associated hazards.
7. ***Work Is Authorized*** – The conditions and requirements to be satisfied for operations to be initiated and conducted shall be clearly established and agreed upon.

#### 5. **ISM Tailoring to the Work and Hazards**

The FRP ISMS Program for personnel and laboratory moves will be tailored to the following move-related work and hazards associated with the work:

- Moves/Services Performed by Subcontractors
- Moves Performed by UT-Battelle
- Packing/Unpacking Work Performed by UT-Battelle

The FRP will tailor safety management functions using the ORNL SBMS and Facilities Development Division management system. The tailoring process will establish expectations and measures of acceptable performance as follows:

- Applied to the ISM core functions, tailoring creates a work management system that handles all types of work safely, efficiently, and cost effectively.
- Applied to hazards, tailoring includes the identification of hazards present in the work and an understanding of the risks involved.
- Applied to controls, tailoring ensures that safety assurance measures increase in number and rigor as the potential for harm increases.
- Applied to feedback and improvements, tailoring provides development of activities, oversight, and reporting activities to ensure safe performance of work.

The tailoring process is dynamic and continuous. Accordingly, ISM presumes that work functions are continuously monitored and adjusted to meet changing work assignments, institutional regulatory requirements, and work conditions.

### 5.1 Moves/Services Performed by Subcontractors

To implement the ORNL ISMS for moves and services performed by subcontractors, UT-Battelle and subcontractors will perform the following:

<b>Non Construction Related Services</b>	
<b>Participants</b>	<b>Responsibilities</b>
UTB FRP Staff	<ul style="list-style-type: none"> <li>For non construction-related services, prepare a statement of work and initiate the procurement process according to the <a href="#"><i>Procurement-Assisted Purchases</i></a> procedure.</li> </ul>
UTB FRP Staff with assistance from the UTB Construction Safety Staff (CSS), Environmental Protection and Waste Services (EPWS) Division, & Radiological Support Services (RSS)	<ul style="list-style-type: none"> <li>Completes an ES&amp;H Checklist (<a href="http://sbms.ornl.gov/sbms/SBMSearch/SubjArea/Procurement/eshchecklist.pdf">http://sbms.ornl.gov/sbms/SBMSearch/SubjArea/Procurement/eshchecklist.pdf</a>) or equivalent and prepare the applicable ES&amp;H requirements for Procurement to include in the procurement document.</li> </ul>
Subcontractor	<ul style="list-style-type: none"> <li>Implements the ES&amp;H requirements, which may include preparing an Activity Hazards Analysis (AHA) for submittal to UTB.</li> </ul>
CSS, EPWS, & RSS	<ul style="list-style-type: none"> <li>Prior to initiation of fieldwork, review and accept subcontractor AHAs, including revisions.</li> </ul>
Subcontractor Workers	<ul style="list-style-type: none"> <li>Execute the work according to approved AHA. Provide feedback on safety and health improvements.</li> </ul>
UTB FRP Staff, CSS, EPWS, & RSS	<ul style="list-style-type: none"> <li>Oversee subcontractor fieldwork and provide feedback.</li> </ul>

<b>Construction or Construction-like Services</b>	
<b>Participants</b>	<b>Responsibilities</b>
UTB Engineering Project Manager (EPM)	<ul style="list-style-type: none"> <li>For construction or construction-like activities, prepares a statement of work and initiates the procurement process according to Facility Development Division procedure <i>ORNL Construction ES&amp;H Requirements Identification and Oversight</i>, Eng-2.1 (<a href="https://home.ornl.gov/divisions/engineering/StdOperatingProc/Eng-2_1.pdf">https://home.ornl.gov/divisions/engineering/StdOperatingProc/Eng-2_1.pdf</a>).</li> </ul>
EPM with assistance from CSS, EPWS, & RSS	<ul style="list-style-type: none"> <li>Completes an ES&amp;H Checklist (<a href="http://sbms.ornl.gov/sbms/SBMSearch/SubjArea/Procurement/eshchecklist.pdf">http://sbms.ornl.gov/sbms/SBMSearch/SubjArea/Procurement/eshchecklist.pdf</a>) or equivalent and prepare the applicable ES&amp;H requirements according to Eng.-2.1, including minimum requirements.</li> </ul>
EPM	<ul style="list-style-type: none"> <li>Includes ES&amp;H requirements in Division 1 of the subcontract technical specification.</li> </ul>
Subcontractor	<ul style="list-style-type: none"> <li>Submits ES&amp;H program documentation that meets the requirements of the subcontract technical specification.</li> </ul>
CSS	<ul style="list-style-type: none"> <li>Prior to allowing fieldwork, approves the subcontractor ES&amp;H program according to Eng.-2.1.</li> </ul>
Subcontractor	<ul style="list-style-type: none"> <li>Implements their ES&amp;H program, including preparing an AHA for submittal to UTB.</li> </ul>
CSS	<ul style="list-style-type: none"> <li>Prior to allowing fieldwork, approves the AHA, including revisions.</li> </ul>
EPM, Construction Field Representative (CFR), CSS, & RSS (if necessary)	<ul style="list-style-type: none"> <li>Develop a project oversight plan according to Eng.-2.1.</li> </ul>
Subcontractor Workers	<ul style="list-style-type: none"> <li>Execute the work according to the approved safety and health program and AHA. Provide feedback on safety and health improvements.</li> </ul>
UTB Project Participants	<ul style="list-style-type: none"> <li>Implement the project oversight plan according to Eng.-2.1 and provide feedback.</li> </ul>

## 5.2 Moves Performed by UT-Battelle

Using SBMS, UT-Battelle applies the ORNL ISMS to internal move-related work through the UTB *Work/Project Planning & Control (WPPC)* management system. Within the WPPC, move-related work is planned and executed according to *Work Control for Operations, Maintenance and Services* procedure. The following table summarizes the applicable work control process from an ES&H perspective:

Participants	Responsibilities
Task Leader/ Work Package/Plan Author	<ul style="list-style-type: none"> <li>• Initiates work planning according to <i>Work Control for Operations, Maintenance and Services</i> procedure.</li> <li>• Uses a Pre-Approved Work Plan and Job Hazard Evaluation (JHE) or</li> <li>• Prepares a specific Work Package/Plan (<a href="http://sbms.ornl.gov/sbms/SBMSearch/subjarea/wppc/WPPCform.doc">http://sbms.ornl.gov/sbms/SBMSearch/subjarea/wppc/WPPCform.doc</a>) and JHE (<i>Job Hazard Evaluation</i>) for the move according to the work control process.</li> <li>• For new Work Package/Plans (including JHEs), obtains reviews according to <i>Work Package Reviewers</i> table in the work control system.</li> </ul>
Task Leader and Workers	<ul style="list-style-type: none"> <li>• Conduct a Pre-Job Safety Review according to the Pre-Job Safety Review Guide (<a href="http://sbms.ornl.gov/sbms/SBMSearch/subjarea/wppc/prejobsrform.htm">http://sbms.ornl.gov/sbms/SBMSearch/subjarea/wppc/prejobsrform.htm</a>).</li> </ul>
Task Leader	<ul style="list-style-type: none"> <li>• Authorizes move-related work according to the work control process.</li> <li>• If work scope changes, significantly changing personnel safety hazards or controls, revises the Work Package/Plan, including the JHE, according to the work control process.</li> </ul>
Workers	<ul style="list-style-type: none"> <li>• Execute the move-related work according to the approved Work Package and ES&amp;H mitigating actions in the JHE.</li> <li>• When any unsafe act, activity, or condition creates an imminent danger, stop or control work according to the <i>Stop Work and Restart Work: Imminent Danger Situations</i> subject area.</li> </ul>
Task Leader	<ul style="list-style-type: none"> <li>• Obtains safety-related feedback from the workers and incorporates improvements in future work planning.</li> </ul>

### 5.3 Packing/Unpacking Work Performed by UT-Battelle

Using SBMS, UT-Battelle applies the ORNL ISMS to packing/unpacking-related work through the UTB *Work/Project Planning & Control (WPPC)* management system. Within the WPPC, office packing/unpacking-related work is performed according to *Work Control in Office Environments* and laboratory packing/unpacking-related work is performed according to *Work Control in Research and Development*. Laboratory packing and unpacking work performed as portion of the overall move is performed, and ISMS is applied according to Section 5.2 above.

The following table summarizes each applicable work control process from an ES&H perspective:

Office Area Packing/Unpacking Work	
Participants	Responsibilities
Group Leaders	<ul style="list-style-type: none"> <li>• Initiate work planning according to <i>Work Control in Office Environments</i> procedure.</li> <li>• Ensure all personnel have received current General Employee Training (GET).</li> <li>• If necessary, consult with division ES&amp;H representative to identify hazards and controls related to packing and unpacking for office materials. The Office Area Safety Inspection Checklist (<a href="http://sbms.ornl.gov/sbms/SBMSearch/subjarea/wppc/officechecklist.pdf">http://sbms.ornl.gov/sbms/SBMSearch/subjarea/wppc/officechecklist.pdf</a>) may be used as a guide for identifying potential hazards.</li> <li>• At a minimum, ensure mitigating actions are taken to:               <ul style="list-style-type: none"> <li>– Prevent injury from lifting or moving heavy objects.</li> <li>– Prevent blockage of exits and walkways.</li> <li>– Prevent tripping and slipping hazards.</li> <li>– Prevent moving items and equipment that contain radioactive material(s), that produce ionizing radiation, that are radiologically contaminated, that are contaminated with unapproved hazardous constituents, or that will constitute a safety hazard as specified in the FUA.</li> <li>– Prevent packing shock sensitive hazardous materials.</li> </ul> </li> </ul> <p><u>Note:</u> Appropriately trained personnel will handle these shock sensitive hazardous materials separately from the move.</p>

<b>Office Area Packing/Unpacking Work</b>	
<b>Participants</b>	<b>Responsibilities</b>
Group Leaders	<ul style="list-style-type: none"> <li>Address hazards and mitigating actions with personnel prior to starting packing and unpacking.</li> </ul>
Office Personnel	<ul style="list-style-type: none"> <li>Pack and unpack their office environments using the mitigating actions to prevent injury and to comply with the applicable FUA.</li> <li>If unevaluated hazards are encountered, take action to control or stop work according to <a href="#"><i>Work Control in Office Environments</i></a> procedure.</li> </ul>

<b>Laboratory Area Packing/Unpacking Work</b>	
<b>Participants</b>	<b>Responsibilities</b>
Principal Investigator	<ul style="list-style-type: none"> <li>Initiates work planning according to <a href="#"><i>Work Control in Research and Development</i></a> procedure.</li> <li>Identifies potential hazards and controls for packing and unpacking laboratory equipment using the <a href="#"><i>Research Hazard Analysis and Control (RHAC) System</i></a> and communicates them to research assistants as appropriate.</li> </ul> <p><u>Note:</u> Packing and unpacking of laboratory equipment by crafts will be controlled according to Section 5.2.</p>
Group Leaders	<ul style="list-style-type: none"> <li>Ensure all workers involved in packing/unpacking are trained in the appropriate hazards and controls.</li> <li>At a minimum, ensure mitigating actions are taken to:               <ul style="list-style-type: none"> <li>Prevent injury from lifting or moving heavy objects.</li> <li>Prevent blockage of exits and walkways.</li> <li>Prevent tripping and slipping hazards.</li> <li>Prevent moving items and equipment that contain radioactive material(s), that produce ionizing radiation, that are radiologically contaminated, that are contaminated with unapproved hazardous constituents, or that will constitute a safety hazard as specified in the FUA.</li> <li>Prevent packing shock sensitive hazardous materials.</li> </ul> </li> </ul>

Group Leaders	<u>Note:</u> Appropriately trained personnel will handle these shock sensitive hazardous materials separately from the move.
Principal Investigator/ Research Assistants	<ul style="list-style-type: none"> <li>• Pack and unpack laboratory equipment within the appropriate hazard controls/mitigating actions.</li> <li>• If unevaluated hazards are encountered, take action to control or stop work according to <i>Work Control in Research and Development</i> procedure.</li> </ul>
Principal Investigator	<ul style="list-style-type: none"> <li>• Provides feedback into the RHAC system according to the <i>Work Control in Research and Development</i>.</li> </ul>

## 6. ES&H Requirements for Moving Laboratory Equipment

Each UT-Battelle division is responsible for reviewing laboratory equipment to be moved to ensure that it is not contaminated with radiation or unapproved hazardous constituents and that it will not constitute a potential safety hazard. These actions shall be consistent with and meet the requirements of the Facility Use Agreement (FUA) for the building to which they are moving.

The FY 2003 Laboratory Equipment ES&H Release Plan (see Attachment A) and FY 2004 Laboratory Equipment ES&H Release Plan (see Attachment B) lists the equipment for each laboratory to be moved. These equipment lists are derived from the laboratory move packages. Principal Investigators will document their plans for accomplishing the required ES&H reviews by completing the last three columns on the form according to the following instructions:

### 6.1 *Determining Methods of Release and Documenting Safety Concerns*

Radiological Protection	
Participants	Responsibilities
Principal Investigator	<ul style="list-style-type: none"> <li>• For each piece of equipment to be moved, determines the appropriate method for releasing the equipment from a radiological contamination standpoint.</li> </ul> <p><u>Note:</u> The equipment release shall also consider radiological contamination that could have been received from being located in a contaminated area (e.g., bolted to a previously contaminated floor).</p> <ul style="list-style-type: none"> <li>• Documents one of the following methods of release for each piece of equipment on Attachment A:</li> </ul>

<b>Radiological Protection</b>	
<b>Participants</b>	<b>Responsibilities</b>
Principal Investigator	<ul style="list-style-type: none"> <li>– Enter “PK” for release based on process knowledge.</li> <li>– Enter “PK/Sampling” for release using process knowledge in combination with sampling (selective surveys).</li> <li>– Enter “Survey” for release using radiological surveys.</li> </ul> <p><u>Note:</u> For guidance on appropriate methods see:</p> <ul style="list-style-type: none"> <li>• <a href="#"><u>Unrestricted Release of Material without a Radiological Survey</u></a></li> <li>• <a href="#"><u>Unrestricted Release of Material with a Radiological Survey</u></a></li> </ul>

<b>Industrial Hygiene</b>	
<b>Participants</b>	<b>Responsibilities</b>
Principal Investigator	<ul style="list-style-type: none"> <li>• For each piece of equipment to be moved, identifies potential contact with and contamination from hazardous material.</li> <li>• Records hazardous material(s) for each piece of equipment on Attachment A, along with a brief note to explain: <ul style="list-style-type: none"> <li>– Why the equipment should be approved for moving and the action to be taken to contain the material, or</li> <li>– The action to be taken to ensure that any contamination from the hazardous material is removed prior to the move.</li> </ul> </li> <li>• If the equipment does not contain any hazardous material, enters “None”.</li> </ul>

<b>Industrial Safety</b>	
<b>Participants</b>	<b>Responsibilities</b>
Principal Investigator	<ul style="list-style-type: none"> <li>• For each piece of equipment to be moved, performs a visual inspection to identify any safety concerns according to ORNL Work Smart Standards (<a href="#"><u>WSS for Other Industrial, Radiological, and Non-Radiological Hazard Facilities</u></a>) including OSHA (Title 29 Part 1910, Occupational Safety and Health Standards).</li> </ul>

Principal Investigator	<ul style="list-style-type: none"> <li>• Documents any safety concerns on Attachment A according to the following:             <ul style="list-style-type: none"> <li>– Records all safety concerns, including those identified on the current Research Safety Summary [<i>Research Hazard Analysis and Control (RHAC) System</i>].</li> <li>– If no safety concerns are identified, enters “none.”</li> </ul> </li> </ul> <p><u>Note:</u> The Research Safety Summary contains the identified environmental, safety, and health hazards and controls and defines the limits within which R&amp;D work activity is authorized to be conducted as defined in the SBMS procedure, <i>Work Control in Research and Development</i>.</p>
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## 6.2 Reviewing and Approving the Laboratory Equipment ES&H Release Plan

<b>Reviewing and Approving Laboratory Equipment ES&amp;H Release Plan</b>	
<b>Participants</b>	<b>Responsibilities</b>
Principal Investigators	<ul style="list-style-type: none"> <li>• Upon completion, sign and date the plan (Attachment A) for their laboratories.</li> </ul>
Responsible Division Safety & Health Representative and RSS Technical Lead	<ul style="list-style-type: none"> <li>• As needed, obtains assistance of Subject Matter Experts and reviews and approves the approach for releasing laboratory equipment to move.</li> <li>• Concurs with the release plan (Attachment A) by signing and dating.</li> </ul>
Receiving Complex Safety & Health Representative	<ul style="list-style-type: none"> <li>• Reviews the release approach against the Facility Use Agreement requirements and approves the release plan.</li> <li>• Concurs with the release plan (Attachment A) by signing and dating.</li> </ul>
Receiving Complex Manager	<ul style="list-style-type: none"> <li>• Accepts the release plan (Attachment A) by signing and dating.</li> </ul>

### 6.3 *Implementing the Laboratory Equipment ES&H Release Plan*

<b>Implementing the Laboratory Equipment ES&amp;H Release Plan</b>	
<b>Participants</b>	<b>Responsibilities</b>
Principal Investigator	<ul style="list-style-type: none"> <li>• Initiates the release process using the approaches in the approved release plan.</li> <li>• For radiological equipment releases, uses the following SBMS procedures as appropriate:               <ul style="list-style-type: none"> <li>– <u><i>Unrestricted Release of Material without a Radiological Survey</i></u></li> <li>– <u><i>Unrestricted Release of Material with a Radiological Survey</i></u></li> </ul> </li> <li>• For equipment with hazardous material contamination, takes actions to contain or remove the hazardous material according to the approved release plan.</li> <li>• Prior to moving the equipment, ensures the equipment is in compliance with the FUA for the facility into which the equipment will be moved.</li> <li>• For equipment with safety concerns, performs a review after installation and prior to operation to ensure the equipment is in compliance with the applicable FUA and ORNL WSS (OSHA). Updates the Research Safety Summary as appropriate.</li> </ul>



Division: NSTD  
 Laboratory: Flow Test Loop Lab  
 Principal Investigator: David Felde, 241-2653

Move Package Dwgs: SK-E1082-1 through 5  
 New Location: ETF E-B103 (previous number E1082)

Tag E-B103-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
FT3	Pump/Motor – 15 hp	Y-12 9201-2, 1 <sup>st</sup> Floor			
FT4	Variable Speed Drive – Robicon	Y-12 9201-2, 1 <sup>st</sup> Floor			
FT5	Motor Starter – Cutler Hammer	Y-12 9201-2, 1 <sup>st</sup> Floor			
FT6	Pump/Motor – 1.5 hp	Y-12 9201-2, 1 <sup>st</sup> Floor			
FT10	300 Gallon Tank – polyethylene	Y-12 9201-2, 1 <sup>st</sup> Floor			
FT11	Piping Spool Pieces and Fittings (PVC)	Y-12 9201-2, 1 <sup>st</sup> Floor			

Prepared by: \_\_\_\_\_  
 David Felde, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Mark Baldwin, NSTD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date

Division: NSTD			Move Package Dwgs: SK-E1062-1 through 12		
Laboratory: Thermal Hydraulics Lab			New Location: ETF E-D111 (previous number E1062)		
Principal Investigator: David Felde, 241-2653					
Tag E-D111-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
<b>Mercury Loop</b>					
M1	Enclosure (walls, ceiling, windows, double personnel doors and roll up door)	Y-12 9204-1, 2 <sup>nd</sup> Floor High Bay			
M2	Mercury Loop	Y-12 9204-1, 2 <sup>nd</sup> Floor High Bay			
M3	Variac, GE (Y256009)	Y-12 9204-1, 2 <sup>nd</sup> Floor High Bay			
M4	DC Power Supply and 480V Receptacle	Y-12 9204-1, 2 <sup>nd</sup> Floor High Bay			
M5	Control Cabinet (Y272866)	Y-12 9204-1, 2 <sup>nd</sup> Floor High Bay			
M6	Cooling Water Flow Switch, Controls & Control Valve	Y-12 9204-1, 2 <sup>nd</sup> Floor High Bay			
M7	Supporting Equipment	Y-12 9204-1, 2 <sup>nd</sup> Floor High Bay			
<b>Thermal Hydraulics Test Loop</b>					
TH1	Enclosure	Y-12 9204-1, 1 <sup>st</sup> Floor			
TH2	Test Loop	Y-12 9204-1, 1 <sup>st</sup> Floor			
TH5	Electrical Bus and Enclosure	Y-12 9204-1, 1 <sup>st</sup> Floor, Supported from ceiling			



Division: NSTD

Laboratory: Thermal Hydraulics Lab

Principal Investigator: David Felde, 241-2653

Move Package Dwgs: SK-E1062-1 through 12

New Location: ETF E-D111 (previous number E1062)

Tag E-D111-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
TH6	Instrument Cabinet	Y-12 9204-1, 1 <sup>st</sup> Floor Control Room			
TH8	Instrument Rack	Y-12 9204-1, 1 <sup>st</sup> Floor			
TH9	Inverter for Monyo Pump Lancer	Y-12 9204-1, 1 <sup>st</sup> Floor			
TH10	Monyo Pump and Motor Robbins	Y-12 9204-1, 1 <sup>st</sup> Floor			
TH11	Auxiliary Stand	Y-12 9204-1, 1 <sup>st</sup> Floor			
TH12	Supporting Equipment	Y-12 9204-1, 1 <sup>st</sup> Floor			
<b>Flow Blockage Test Loop</b>					
FB1	Test Loop	Y-12 9204-1, 1 <sup>st</sup> Floor			
FB2	DC Power Supply	Y-12 9204-1, 1 <sup>st</sup> Floor			
FB3	Control Panel	Y-12 9204-1, 1 <sup>st</sup> Floor			
FB4	Pump/Motor US Electric/Worthington	Y-12 9204-1, Basement			
FB6	Supporting Equipment	Y-12 9204-1, 1 <sup>st</sup> Floor			



Division: NSTD Laboratory: Thermal Hydraulics Lab Principal Investigator: David Felde, 241-2653			Move Package Dwgs: SK-E1062-1 through 12 New Location: ETF E-D111 (previous number E1062)		
Tag E-D111-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
<b>General</b>					
G1	Laser Doppler Velocimeter	Y-12 9204-1, 1 <sup>st</sup> Floor			
G2	Storage Cabinets (Total of 6)	Y-12 9204-1			
G3	Boxed Equipment	Y-12 9204-1			

Prepared by: \_\_\_\_\_  
 David Felde, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Mark Baldwin, NSTD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date



Division: M&CD

Move Package Dwgs: SK-4508-1 through 18

Laboratory: Mechanical Properties Lab

New Location: 4508

Principal Investigator: Richard Battiste

Tag 4508	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
MTS-3	1-Loadframe	9204-1			
	2-DAS	9204-1			
	3-Controller	9204-1			
MTS-2	1-Loadframe	9204-1			
	2-DAS	9204-1			
	3-Controller	9204-1			
	4-Heater	9204-1			
	5-Grip Supply	9204-1			
	MTS-G	1-Loadframe	9204-1		
Blue M Oven	2-Oven	9204-1			
K25-220	3-Loadframe	9204-1			
MTS-110	1-Loadframe	9204-1			
	2-Heater	9204-1			
BOE #3	1-Loadframe	9204-1			
	2-Controller	9204-1			
	3-DAS	9204-1			
MTS #1	1-Loadframe	9204-1			
	2-Grip Supply	9204-1			
	3-Controller	9204-1			
	4-DAS	9204-1			
BOE #2	1-Loadframe	9204-1			



Division: M&CD

Move Package Dwgs: SK-4508-1 through 18

Laboratory: Mechanical Properties Lab

New Location: 4508

Principal Investigator: Richard Battiste

Tag 4508	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
	2-DAS	9204-1			
	3-Controller	9204-1			
MTS-HG	1-Loadframe	9204-1			
	2-Oven	9204-1			
	3-Heater	9204-1			
INSTRO N 1332	1-Loadframe	4515, Rm L-100			
	2-Controller	4515, Rm L-100			
INSTRO N High Rate	1-Loadframe	4500S Rm 269			
	2-DAS	4500S, Rm 269			
	3-Controller	4500S, Rm 269			
	4-Heater	4500S, Rm 269			
K-25 10 KIP	1-Loadframe	NTRC Rm L-111			
	2-DAS	4500S B54			
BOE #1	1-Loadframe	9204-1			
	2-DAS	9204-1			
	3-Controller	9204-1			
MISC DAS	1-HYD-06 DAS	9204-1			
	2-HYD-07 DAS	9204-1			
	3-Unassigned DAS	9204-1			



Division: M&CD  
 Laboratory: Mechanical Properties Lab  
 Principal Investigator: Richard Battiste

Move Package Dwgs: SK-4508-1 through 18  
 New Location: 4508

Tag 4508	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
INSTRO N 550 KIP	1-Loadframe	9204-1			
	2-Controller	9204-1			
	3-Hydraulic Pump	9204-1			
	4-Accoustical Enclosure	9204-1			
Misc Equipment	1-Gas Gun and Pendulum	9204-1			
	2-Vacuum System	9204-1			
	3-Optical Table	9204-1			
MTS-6	1-Loadframe	4508, Rm 121			
	2-DAS	9204-1			

Prepared by: \_\_\_\_\_

Richard Battiste, Principal Investigator      Date

Concurred w/: \_\_\_\_\_

RSS Technical Lead @ Current Location      Date

Concurred w/: \_\_\_\_\_

Cathy Wilson, M&CD Health & Safety Rep      Date

Concurred w/: \_\_\_\_\_

Receiving Complex Health & Safety Rep      Date

Accepted by: \_\_\_\_\_

Receiving Complex Manager      Date



Division: CCSD  
 Laboratory: CAVE Lab  
 Principal Investigator: Ross Toedte, 574-1912

Move Package Dwgs: SK-C2078-1 through 11  
 New Location: CSB C-B228 (previous number C2078)

<b>Tag C-B228-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
CAVE1	Projector 1 w/stand (Electrohome serial #3134-00005)	ORNL Building 6010			
CAVE2	Projector 2 w/stand (Electrohome serial #3105-00005)	ORNL Building 6010			
CAVE3	Projector 3 w/stand (Electrohome serial #3134-00007)	ORNL Building 6010			
CAVE4	Projector 4/w overhead mounting (Electrohome serial #3134-00001)	ORNL Building 6010			
CAVE1	Mirror 1 w/stand (Mirrorlite)	ORNL Building 6010			
CAVE2	Mirror 2 w/stand (Mirrorlite)	ORNL Building 6010			
CAVE3	Mirror 3 w/stand (Mirrorlite)	ORNL Building 6010			
CAVE4	Mirror 4 w/overhead mounting	ORNL Building 6010			
BOX	Box – Plywood base, unistrut frame and screen on 3 sides	ORNL Building 6010			
5	Onyx computer cabinet	ORNL Building 6010			
6	Computer Rack	ORNL Building			



Division: CCSD  
 Laboratory: CAVE Lab  
 Principal Investigator: Ross Toedte, 574-1912

Move Package Dwgs: SK-C2078-1 through 11  
 New Location: CSB C-B228 (previous number C2078)

Tag C-B228-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
		6010			
7	Electronic Rack	ORNL Building 6010			
8	Work Stations w/Computer Equipment	ORNL Building 6010			
9	I-Desk w/Blue Equipment Rack	ORNL Building 6012			
10	Filing Cabinet, Lateral File				
11	Monitor, Modular Furniture				
12	2 Transport Boxes	ORNL Building 6012			
13	Futon	Offsite			

Prepared by: \_\_\_\_\_  
 Ross Toedte, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Lori Manis, CCSD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date



Division: CMSD  
 Laboratory: Condensed Matter Science Division Lab  
 Principal Investigator: Jim Kolopus, 574-5498

Move Package Dwgs: SK-4500-1 through 7  
 New Location: \_\_\_\_\_ (previous number 4500)

<b>Tag</b> _____ -	<b>Equipment Name</b> <b>Description/Model</b>	<b>Present</b> <b>Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
C103	Hot Press	ORNL Bldg 2024, Rm 42			
C104	Magnetameter System	ORNL Bldg 2024, Rm 42			
C501	Marshall Furnace #95156	ORNL Bldg 2024, Rm 42			
C502	Marshall Furnace #961130A	ORNL Bldg 2024, Rm 42			
C503	Marshall Furnace #961130B	ORNL Bldg 2024, Rm 42			
C504	Pumping Station	ORNL Bldg 2024, Rm 42			
C505	Glove Box	ORNL Bldg 2024, Rm 41			
C506	HPLC System	ORNL Bldg 2024, Rm 41			
C901	Bridgman Furnace	ORNL Bldg 2024, Rm 40			
C902	Bridgman Furnace	ORNL Bldg 2024, Rm 40			
C903	Bridgman Furnace	ORNL Bldg 2024, Rm 42			



Division: CMSD

Move Package Dwgs: SK-4500-1 through 7

Laboratory: Condensed Matter Science Division Lab

New Location: \_\_\_\_\_ (previous number 4500)

Principal Investigator: Jim Kolopus, 574-5498

<b>Tag</b> _____ -	<b>Equipment Name</b> <b>Description/Model</b>	<b>Present</b> <b>Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
C905	Lindberg Pot Furnace	ORNL Bldg 2024, Rm 42			
C906	Lindberg Furnace Cart #151660	ORNL Bldg 2024, Rm 42			
C907	Lindberg Furnace #X10785	ORNL Bldg 2024, Rm 42			
C908	Lindberg Furnace #X151664	ORNL Bldg 2024, Rm 42			
C909	Lindberg Furnace #X151662	ORNL Bldg 2024, Rm 42			
C910	Lindberg Furnace #X157097	ORNL Bldg 2024, Rm 42			
C912	Marshall Furnace #94518	ORNL Bldg 2024, Rm 42			
C913	Computer Controller	ORNL Bldg 2024, Rm 42			
D903	Lindberg Furnace w/Controller	ORNL Bldg 2024, Rm 40			
D904	Astro Furnace	ORNL Bldg 2024, Rm 42			



Division: CMSD

Move Package Dwgs: SK-4500-1 through 7

Laboratory: Condensed Matter Science Division Lab

New Location: \_\_\_\_\_ (previous number 4500)

Principal Investigator: Jim Kolopus, 574-5498

<b>Tag</b> _____ -	<b>Equipment Name</b> <b>Description/Model</b>	<b>Present</b> <b>Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
D905	Sybran Furnace #151669	ORNL Bldg 2024, Rm 41			
D906	Lindberg Tube Furnace #151657	ORNL Bldg 2024, Rm 42			
D907	Lindberg Furnace #X183934	ORNL Bldg 2024, Rm 42			
D908	Lindberg Furnace #X868114	ORNL Bldg 2024, Rm 42			
D909	Lindberg Furnace	ORNL Bldg 2024, Rm 42			
X1	Portable Pumping Station	ORNL Bldg 2024, Rm 41			
X2	Water Filter System	ORNL Bldg 2024, Rm 41			
X3	Lead Lined Cabinet	ORNL Bldg 2024, Rm 51			
X4	Lead Lined Cabinet	ORNL Bldg 2024, Rm 40			
X5	Corrosive Storage Cabinet	ORNL Bldg 2024, Hall			
X6	Flammable Storage Cabinet	ORNL Bldg 2024, Hall			





Division: NSTD		Move Package Dwgs: SK-5510-1 through 20			
Laboratory: Isotope Production Lab		New Location: 5510			
Principal Investigator: Lee Zevenberger					
Tag 5510 -	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
<b>IRML Level 1 Lab Equipment</b>					
IRML1	4-High Fenn Rolling Mill	Y-12 9204-3, 1 <sup>st</sup> Floor Rm 111			
IRML2	2-High Stanat Rolling Mill	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216			
IRML3	Arc Melter	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216			
IRML4	Mini-Arc Melter	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216			
IRML5	Inert Atmosphere Dry Box	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216			
IRML6	Veeco RF Sputter System	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 217			
IRML7	EB Evap. Sys./Power Supply, EB Evap. Sys./Vacuum System	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216			
IRML8	Resistance Evap. Sys./Pwr. Supply Resistance Evap. Sys./Vacuum Sys.	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 217			
IRML9	RFC RF Pr. Supply/Metal Reduction, Vacuum System/ Metal Reduction System	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216			
IRML10	Northern Hydraulic Press	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 217			



Division: NSTD  
 Laboratory: Isotope Production Lab  
 Principal Investigator: Lee Zevenberger

Move Package Dwgs: SK-5510-1 through 20  
 New Location: 5510

Tag 5510 -	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
IRML11	Dake Press	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216			
IRML12	Swager	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216			
IRML13	Welder Pr. Supply/Welding Table	Y-12 9204-3, 1 <sup>st</sup> Floor Rm 111			
IRML14	Punch	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 217			
IRML15	X-Ray Machine	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 217			
IRML16	Furnace	Y-12 9204-3, Basement			
IRML17	Balances/Tables (3)	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216 & 217			
IRML18	Mini-Lathe (to be acquired)	To be acquired			
IRML19	Benches/Tables (3)				
IRML20	Glass Rube Sealing Station				
IRML21	Fluoridation System (Hood)				
IRML22	Storage Cabinets (3)				
<b>IRML Level 2 Lab Equipment</b>					
IRML23	4-High Stanat Rolling Mill	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216			



Division: NSTD Laboratory: Isotope Production Lab Principal Investigator: Lee Zevenberger			Move Package Dwgs: SK-5510-1 through 20 New Location: 5510		
Tag 5510 -	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
IRML24	Metal Reduction Sys. Vac. Sys. Lepel 7.5 KW Pwr. Supply (Metal Reduction Systems)	Y-12 9204-3, 1 <sup>st</sup> Floor Rm 111			
IRML25	Crystal Bar System (Future)	To be acquired			
IRML26	Microscope Table				
IRML27	Specimen Prep Table	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 217			
IRML28	Bench Space (2)				
IRML29	Storage Cabinets (3)				
<b>IRML Level 3 Lab Equipment</b>					
IRML30	EB Vacuum Evap. Sys. (4 pkt., Power Supply)	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 216			
IRML31	Control Arc Melt	Y-12 9204-3, 2 <sup>nd</sup> Floor Rm 217			
IRML32	Vacuum Furnace	Y-12 9204-3, 1 <sup>st</sup> Floor Rm 111			
IRML33	Inert Box-Evaporator System Cyropump & Compressor	Stored Item			
IRML34	Vacuum Hot Press, Vac Pump, Power Supply	Stored Item			



Division: NSTD Laboratory: Isotope Production Lab Principal Investigator: Lee Zevenberger			Move Package Dwgs: SK-5510-1 through 20 New Location: 5510		
Tag 5510 -	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
<b>IRML Excess Equipment</b>					
IRML35	48" Box Coater/Vacuum System	Y-12 9204-3, Basement High Bay			
IRML36	30" Box Coater/Vacuum System	Y-12 9204-3, Basement Rm 217B			
IRML37	Lepel RF Power Supply	Y-12 9204-3, Basement Rm 217B			
IRML38	Airco Power Supply-Welding (2)	Y-12 9204-3, Basement			
IRML39	P.E. Vac. Sys. (Rod Feed EB)/Controls	Y-12 9204-3, Basement			
IRML40	Miller Power Supply Welding (2)	Y-12 9204-3, Basement			
IRML41	Venco Vac. Sys/Arc Melter	Y-12 9204-3, Basement			
IRML42	Harrop Furnace/Controller	Y-12 9204-3, Basement			
IRML43	2" Tube Furnace	Y-12 9204-3, Basement			
IRML44	Hobart TIG Welder	Y-12 9204-3, Basement			
IRML45	Airco Power Supply-EB	Y-12 9204-3, Basement			



Division: NSTD Move Package Dwgs: SK-5510-1 through 20  
 Laboratory: Isotope Production Lab New Location: 5510  
 Principal Investigator: Lee Zevenberger

Tag 5510 -	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
IRML46	Vacuum Oven	Y-12 9204-3, Basement			
IRML47	Furnace Controllers (2)	Y-12 9204-3, Basement			
IRML48	Unitron Microscope	Y-12 9204-3, Basement			
IRML49	Elec. Bonmardment Power Supply	Y-12 9204-3, Basement			
IRML50	EB Gun Controllers (2)	Y-12 9204-3, Basement			
IRML51	Li Glovebox	Y12 9204-3, 1 <sup>st</sup> Floor Dock Area			
IRML51	Magnation Sputter Unit	Y-12 9204-3, 2 <sup>nd</sup> Floor			

Prepared by: \_\_\_\_\_  
 Lee Zevenberger, Principal Investigator Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location Date

Concurred w/: \_\_\_\_\_  
 Mark Baldwin, NSTD Health & Safety Rep Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager Date









Division: CCSD

Laboratory: Computer Science Lab

Principal Investigator: Steven Scott, 574-3144

Move Package Dwgs: SK-C2087-1 through 2

New Location: CSB C-E204-B (previous number C2087)

<b>Tag C-E204-B-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
1	Racks of Computers – Quantity: 4 Racks (Size: 8 CPUs/Rack to 22 CPUs/Rack)	ORNL Building 6012 Computer Room			
2	Work Stations and Cabinets – Quantity: Approximately 13 Work Stations, 2 Cabinets	ORNL Building 6012 Computer Room			
3	Computers – 13 Pieces	ORNL Building 6010 Cave Room			
	Approximately 6 Boxes	ORNL Building 6012 Computer Room			
	6 Tables (60” x 24”) and 13 Rolling Task Chairs	ORNL Building 3546m Rm 114			



Division: CCSD  
 Laboratory: Computer Science Lab  
 Principal Investigator: Steven Scott, 574-3144

Move Package Dwgs: SK-C2087-1 through 2  
 New Location: CSB C-E204-B (previous number C2087)

Tag C-E204-B-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
	8 Side Chairs	ORNL Building 3546 in a room across the hall from Rm 114			

Prepared by: \_\_\_\_\_  
 Steven Scott, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Lori Manis, CCSD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date





Division: CCSD

Laboratory: Modeling and Simulation Lab

Principal Investigator: David Hetrick, 576-7556

Move Package Dwgs: SK-C2093-1

New Location: CSB C-A216 (previous number C2093)

<b>Tag C-A216-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
1	Server CA-30, Monitor, Keyboard and UPS	ORNL Building 6011 Rm 129			
2	Student Work Stations – Quantity: 9	ORNL Building 6011 Rm 129			
3	Server CA-02, Monitor, Keyboard and UPS	ORNL Building 6011 Rm 129			
4	CA-01	ORNL Building 6011 Rm 109			
5	CA-03	ORNL Building 6011 Rm 129			
6	Printer	ORNL Building 6011 Rm 129			
7	Corner Units – Quantity: 4	ORNL Building 6011 Rm 129			
8	5' Tables – Quantity: 3	ORNL Building 6011 Rm 129			
9	Lateral File	ORNL Building 6011 Rm 129			
10	Chairs – Quantity: 6	ORNL Building 6011 Rm 129			
11	CA-34	ORNL Building 6011 Rm 137			
12	Computer Table	ORNL Building 6011 Rm 140			





Division: CCSD

Laboratory: Robotics Lab

Principal Investigator: David Reister, 574-2272

Move Package Dwgs: SK-C2084-1 through 5

New Location: CSB C-B216 (previous number C2084)

<b>Tag C-B216-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
2	Hermies IIB	ORNL Building 6010 Rm 250			
3	Oscar, Labmate, and OHP	ORNL Building 6010 Rm 250			
4	ATRV-Mini – 3 (Hadrian, Vespasian, Theodosius)	ORNL Building 6010 Rm 250			
5	Atlas Hand	ORNL Building 6010 Rm 250			
6	14 Computers, 3 Printers, and Tables	ORNL Building 6010 Rm 250			
7	8 Storage Cabinets (contents to be boxed)	ORNL Building 6010 Rm 250			
8	Furniture (Typical 8 offices)	ORNL Building 6010 Rm 250			
9	Literature Racks and Blue Partitions (enough to form 4 offices)	ORNL Building 6010 Rm 250			
10	Filing Cabinet, Storage Cabinet, Literature Racks, and Copying Equipment	ORNL Building 6010 Rm 250			
11	All Chairs and Book Shelves	ORNL Building 6010 Rm 250			
12	Video Equipment and Conference Room Table	ORNL Building 6010 Rm 250			





Division: CCSD

Laboratory: Optical Lab

Principal Investigator: Yoon-Ho Kim, 241-0912

Move Package Dwgs: SK-C1065-1 through 4

New Location: CSB C-D108 (previous number C1065)

<b>Tag C-D108-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
1	Optical Table (Newport RS-400 Series)	ORNL Building 6010, Rm 219			
2	Heat Exchanger (Coherent, Sabre Innova)	ORNL Building 6010, Rm 219			
3	Laser Head (Coherent, Sabre Innova)	ORNL Building 6010, Rm 219			
4	Power Supply (Coherent, Sabre Innova)	ORNL Building 6010 Rm 219			
5	Laser Curtain with Valance (Size: 9 x 9, 2 Sections; 11 x 9, 1 Section)	ORNL Building 6010 Rm 250			
6	Computer, Desk, and Chair	ORNL Building 6010 Rm 219			
7	Delicate Instruments	ORNL Building 6010 Rm 219			









Division: CCSD

Laboratory: Optical Lab

Principal Investigator: Warren Grice, 241-2061

Move Package Dwgs: SK-C2064-1 through 4

New Location: CSB C-D224 (previous number C2064)

<b>Tag C-D224-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
1	Laser Head (Coherent, Sabre Innova)	ORNL Building 6010 Rm 250			
2	Optical Table (Newport RS-4000 Series)	ORNL Building 6010 Rm 250			
3	Heat Exchanger (Coherent Sabre Innova)	ORNL Building 6010 Rm 250			
4	Power Supply (Coherent, Sabre Innova)	ORNL Building 6010 Rm 250			
5	Laser Curtain with Valance (Size: 9 x 9 (2 Sections), 11 x 9 (One Section))	ORNL Building 6010 Rm 250			
6	Table and Miscellaneous Equipment	ORNL Building 6010 Rm 250			
7	PC, Desk and Chair	ORNL Building 6010 Rm 250			
8	Delicate Instruments	ORNL Building 6010 Rm 250			



Division: CCSD  
 Laboratory: Optical Lab  
 Principal Investigator: Warren Grice, 241-2061

Move Package Dwgs: SK-C2064-1 through 4  
 New Location: CSB C-D224 (previous number C2064)

Tag C-D224-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
	Approximately 30 Boxes of Miscellaneous Equipment – 27 will be Crates and 3 Regular Moving Boxes	ORNL Building 6010 Rm 250			

Prepared by: \_\_\_\_\_  
 Warren Grice, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Lori Manis, CCSD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date



Division: CCSD Laboratory: Nanofabrication Lab Principal Investigator: Thomas Thundate, 574-6201			Move Package Dwgs: SK-C1095-1 New Location: CSB C-C126-A (previous number C1095)		
Tag C-C126-A-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
1 & 2	Optical Table (TMC Model 77-249-09)	ORNL Building 4500S Rm F1-11			
3	Evaporator	ORNL Building 4500S Rm F1-11			
4	Atomic Force Microscope (Marble Table)	ORNL Building 4500S Rm F1-11			
	Approx 10 Crates and 5 Boxes of Miscellaneous Equipment	ORNL Building 4500S Rm F1-11			

Prepared by: \_\_\_\_\_  
 Thomas Thundate, Principal Investigator      Date

Concurred w/: \_\_\_\_\_  
 Lori Manis, CCSD Health & Safety Rep      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager      Date



Division: CCSD Laboratory: Biomolecular Programmed Assembly Lab Principal Investigator: Thomas Thundate, 574-6201			Move Package Dwgs: SK-C1094-1 New Location: CSB C-C124 (previous number C1094)		
Tag C-C124-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
1	Autoclave (VWR Scientific Products)	ORNL Building 4500S Rm F1-11			
	Approximately 2 Boxes of Miscellaneous Equipment	ORNL Building 4500S Rm F1-11			

Prepared by: \_\_\_\_\_  
 Thomas Thundate, Principal Investigator      Date

Concurred w/: \_\_\_\_\_  
 Lori Manis, CCSD Health & Safety Rep      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager      Date



Division: LSD

Move Package Dwgs: SK-1059-1 through 13

Laboratory: Life Sciences and Functional Genomics Labs

New Location: 1059 and 1061

Principal Investigator: Gene Barker, 574-0865

Tag	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
<b>IRML Level 1 Lab Equipment</b>					
1	Stackable Incubator	9210			
2	Stackable Incubator	9210			
3	LN2 Freezer	9210			
4	LN2 Freezer	9210			
5	LN2 Freezer	9210			
6	LN2 Freezer	9210			
7	LN2 Freezer	9210			
8	Ice Maker	9210			
9	Control Rate Freezer – Alcohol	9210			
10	Control Rate Freezer – LN2	9210			
11	Power Supply Backup	9210			
12	Oven-Blue M (benchtop)	9210			
13	Five Microscopes	9210			
14	PCs and Miscellaneous bench top equipment	9210			
15	Centrifuge	9210			
16	Chest Freezer –80 Degree C	9210			
17	Chest Freezer –80 Degree C	9210			



Division: LSD

Move Package Dwgs: SK-1059-1 through 13

Laboratory: Life Sciences and Functional Genomics Labs

New Location: 1059 and 1061

Principal Investigator: Gene Barker, 574-0865

Tag	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
18	Chest Freezer –80 Degree C	9210			
19	Upright Freezer –80 Degree C	9210			
20	Centrifuge	9210			
21	Refrigerator	9210			
22	Refrigerator	9210			
23	Refrigerator	9210			
24	Refrigerator	9210			
25	Chest Freezer	9210			
26	Glass Door Refrigerator	9210			
27	Glass Door Refrigerator	9210			
28	Glass Door Refrigerator	9210			
29	LN2 Freezer – XLC 1110	1061 Rm 102			
30	LN2 Freezer – XLC 511	1061 Rm 102			
31	LN2 Freezer – Cryo Plus	1061 Rm 102			
32	LN2 Freezer – XLC 511	1061 Rm 102			
33	Ice Maker	9210			
34	Table Top Freezer	9210			
35	Side by Side Refrigerator/Freezer	9210			
36	Film Processor	9210			
37	Incubator Shaker	9210			







Division: NSTD Move Package Dwgs: SK-R3081-1  
 Laboratory: Scale Training Lab New Location: ROB R-O304 (previous number R3081)  
 Principal Investigator: Jeff Johnson, 574-5262

Tag R-O304-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
1	2 Boxes	ORNL Building 6012			

Prepared by: \_\_\_\_\_  
 Jeff Johnson, Principal Investigator Date

Concurred w/: \_\_\_\_\_  
 Mark Baldwin, NSTD Health & Safety Rep Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager Date



Division: NSTD Laboratory: Capsule Assembly Lab Principal Investigator: Dennis Heatherly, 576-7892			Move Package Dwgs: SK-E1081-1 through 3 New Location: ETF E-E101 (previous number E1081)		
Tag E-E101-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
C2	Bakeout Furnace	ORNL 4508, Rm 274			
C3	Bench Type Milling Machine (ENCO Model 105-1280) and Table	ORNL 4508, Rm 274			
C4	Refrigerator	ORNL 4508, Rm 274			
C5	Storage Cabinets (Total of 10)	ORNL 4508, Rm 274			
C6	Misc Lab Equipment- boxes and pallets	ORNL 4508, Rm 274			
C7	Misc Tubing, Bar Stock and Plates (Approx 20 items)	ORNL 4508, Rm 274			
C8	Flammable Storage Cabinet	ORNL 4508, Rm 274			

Prepared by: \_\_\_\_\_  
 Dennis Heatherly, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Mark Baldwin, NSTD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date





Division: ESTD

Laboratory: Hybrid Lighting Lab

Principal Investigator: David Beshears, 946-1288

Move Package Dwgs: SK-E2084-1 through 7

New Location: E-D210 (previous number E2084)

<b>Tag E-D210-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
HL1	Solar Collector	NTRC Roof			
HL2	Optical Table 800#	Room 201 NTRC			
HL3	Integrating Sphere	Room 201 NTRC			
HL4	Optical Table 400#	Room 201 NTRC			
HL5	Lighting Test Chamber	Room 201 NTRC			
HL6	Rack	Room 201 NTRC			
HL7	Tool Chest	Room 201 NTRC			
HL8	Light Fixtures	Room 201 NTRC			
HL9	Optical Fibers/Holding Rack	Room 201 NTRC			
HL10	Storage Cabinets (2)	Room 201 NTRC			
HL11	Work Station	Room 201 NTRC			
HL14	Miscellaneous	Room 201 NTRC in Cabinets			
HL15	Solar Shades	Room 111 NTRC			
HL16	Bollards	NTRC Roof			
HL17	Drive Over Cord Protectors	Room 111 NTRC			
HL18	Crates (3-4)	Room 111 NTRC			
HL19	Tracking Solar Collection Frame	NTRC High Bay			
HL20	Miscellaneous Storage	Room I07 NTRC			
HL21	Light Source	Room I07 NTRC			



Division: ESTD  
 Laboratory: Hybrid Lighting Lab  
 Principal Investigator: David Beshears, 946-1288

Move Package Dwgs: SK-E2084-1 through 7  
 New Location: E-D210 (previous number E2084)

Tag E-D210-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
HL22	Bookcase	Room 201 NTRC			
HL23	Weight-in-Motion Equipment	NTRC High Bay			
HL24	Hall Display	Outside Room 201 NTRC			

Prepared by: \_\_\_\_\_  
 David Beshears, Principal Investigator      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location      Date

Concurred w/: \_\_\_\_\_  
 Cathy Wilson, ESTD Health & Safety Rep      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager      Date



Division: ESTD

Laboratory: Advanced Thermal Hydraulics Lab

Principal Investigator: Seoko Kim, 574-0314

Move Package Dwgs: SK-E1064-1 through 10

New Location: E-F117, E-F118, E-F116 (previous number  
 E1064, E1069, E1071)

Tag E-F117-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
A1-1	SC-1 Gun System	Y12, 9204-1 Mezzanine Lab Rm B			
A1-2	SC-1 Shield	Y12, 9204-1 Mezzanine Lab Rm B			
A1-3	SC-2 Target	Y12, 9204-1 Mezzanine Lab Rm B			
A1-4	HEPA Filter System	Y12, 9204-1 Mezzanine Lab Rm B			
A1-5	Table Top Drill Press	Y12, 9204-1 Mezzanine Lab Rm B			
<b>Room E-F118 Equipment</b>					
A2-1	SETS	Y12, 9204-1 Mezzanine Lab Rm A			
A2-2	Portable Heater	Y12, 9204-1 Mezzanine Lab Rm A			
A2-3	Control Box	Y12, 9204-1 Mezzanine Lab Rm A			



Division: ESTD

Laboratory: Advanced Thermal Hydraulics Lab

Principal Investigator: Seoko Kim, 574-0314

Move Package Dwgs: SK-E1064-1 through 10

New Location: E-F117, E-F118, E-F116 (previous number  
 E1064, E1069, E1071)

Tag E-F117-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
A2-5	Var. Thrust Gun System (total of 2 systems)	Y12, 9204-1 Mezzanine Lab Rm A			
A2-6	Gun Target	Y12, 9204-1 Mezzanine Lab Rm A			
A2-7	Classified Safe (Empty)	Y12, 9204-1 Mezzanine Lab Rm A			
A2-8	OICW Chamber & Rail	Y12, 9204-1 Mezzanine			
A2-9	Steel Shield	Y12, 9204-1 Mezzanine			
A2-10	Flammable Storage Cabinet	Y12, 9204-1 Mezzanine Lab Rm A			
<b>Room E-F116 Equipment</b>					
A3-1	Microwave Oven	Y12, 9204-1 Mezzanine Lab Rm A			
A3-2	Freezer	Y12, 9204-1 Mezzanine			
A3-3	Refrigerator	Y12, 9204-1 Ground Floor Col N37			



Division: ESTD

Laboratory: Advanced Thermal Hydraulics Lab

Principal Investigator: Seoko Kim, 574-0314

Move Package Dwgs: SK-E1064-1 through 10

New Location: E-F117, E-F118, E-F116 (previous number  
 E1064, E1069, E1071)

Tag E-F117-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
A3-4	Neutron Generator N-550 (2 sections)	Y12, 9204-1 Ground Floor Col N37			
A3-5	Freezer for Neutron Generator	Y12, 9204-1 Ground Floor Col N37			
A3-6	Instrument Racks	Y12, 9204-1 Ground Floor Col N37			
A3-7	Electric Oven 3-550	Y12, 9204-1 Mezzanine Lab Rm A			
A3-8	Spinner System	Y12, 9204-1 Ground Floor Col N37			
A3-9	Ultrasonic Processor – Sonicator	Y12, 9204-1 Ground Floor Col N37			
A3-10	Tool Box	Y12, 9204-1 Ground Floor Col N37			
A3-12	Flammable Storage Cabinet	Y12, 9204-1 Ground Floor Col N37			
A3-13	Optical Table (Top Only)	Y12, 9204-1 Ground Floor Col N37			





Division: ESTD Move Package Dwgs: SK-E1075-1 through 3  
 Laboratory: Diagnostics Special Projects Lab New Location: E-C102 (previous number E1075)  
 Principal Investigator: Howard Haynes, 946-1343

Tag E-C102-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
D1	Work Bench	NTRC			
D2	Work Bench	NTRC			
D3	Motor Current Demonstrator	NTRC			
D4	Oscilloscope Cart	NTRC			
D5	Tool Box	NTRC			
G1	Boxed Items & Transfer Cases	NTRC			

Prepared by: \_\_\_\_\_  
 Howard Haynes, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Cathy Wilson, ESTD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date



Division: ESTD Laboratory: Insulation Lab Principal Investigator: Ken Wilkes, 574-5931			Move Package Dwgs: SK-E1073-1 through 15 New Location: E-F112, E-F110 (previous number E1072, E1073)		
Tag E-F110-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
1	Hoist (Emittance Apparatus)	ORNL 4508, Rm 244			
2	Drum (Emittance Apparatus)	ORNL 4508, Rm 244			
3	Instrument Panel (Emittance Apparatus)	ORNL 4508, Rm 244			
4	Oxygen Cylinder and Cabinet (Emittance Apparatus)	ORNL 4508, Rm 244			
5	Two Liquid Nitrogen Drums (Emittance Apparatus)	ORNL 4508, Rm 244			
6	Diffusion Pump (Emittance Apparatus)	ORNL 4508, Rm 244			
7	Switches and Readout (Emittance Apparatus)	ORNL 4508, Rm 244			
8	Tool Box	ORNL 4508, Rm 244			
9	Rack	ORNL 4508, Rm 244			
10	Scale	ORNL 4508, Rm 244			
	Scale	ORNL 4508, Rm 244			
	Digimicro	ORNL 4508, Rm 244			



Division: ESTD

Laboratory: Insulation Lab

Principal Investigator: Ken Wilkes, 574-5931

Move Package Dwgs: SK-E1073-1 through 15

New Location: E-F112, E-F110 (previous number E1072,  
 E1073)

Tag E-F110-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
11	Refrigerator	ORNL 4508, Rm 244			
12	Fox 670 – Meter	ORNL 4508, Rm 244			
	Table (meter and controls)	ORNL 4508, Rm 244			
13	Fox 605	ORNL 4508, Rm 244			
	Table (meter and controls)	ORNL 4508, Rm 244			
14	Vacuum Chamber	ORNL 4508, Rm 244			
15	Foam Cutter	ORNL 4508, Rm 244			
16	VIP Film Tester Insulated Sections – 3 total	ORNL 4508, Rm 244			
	Table (VIP Film Tester)	ORNL 4508, Rm 244			
	Vacuum Pump	ORNL 4508, Rm 244			
17	Thin Heater Enclosure	ORNL 4508, Rm 244			
18	Thin Heater Apparatus	ORNL 4508, Rm 244			
19	Power and Circulator	ORNL 4508, Rm 244			



Division: ESTD		Move Package Dwgs: SK-E1073-1 through 15			
Laboratory: Insulation Lab		New Location: E-F112, E-F110 (previous number E1072, E1073)			
Principal Investigator: Ken Wilkes, 574-5931					
<b>Tag E-F110-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
20	Read Outs and Switches	ORNL 4508, Rm 244			
21	VIP Test Stand	ORNL 4508, Rm 244			
	Table	ORNL 4508, Rm 244			
22	Vacuum Pump	ORNL 4508, Rm 244			
23	Fume Hood 1000 CFM (Ethanol, Methanol, dry graphite film lubricant)	ORNL 4508, Rm 244			
24	Foam Diffusion Unit Controls	ORNL 4508, Rm 244			
25	Foam Diffusion Unit	ORNL 4508, Rm 244			
26	Drying Oven	ORNL 4508, Rm 244			
	Frame	ORNL 4508, Rm 244			
27	Air Permability Tester	ORNL 4508, Rm 244			
28	Compressed Air Dryer	ORNL 4508, Rm 244			
29	Readout and Switches	ORNL 4508, Rm 244			



Division: ESTD

Laboratory: Insulation Lab

Principal Investigator: Ken Wilkes, 574-5931

Move Package Dwgs: SK-E1073-1 through 15

New Location: E-F112, E-F110 (previous number E1072,  
E1073)

<b>Tag E-F110-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
30	Power Supply	ORNL 4508, Rm 244			
31	Pipe Tester	ORNL 4508, Rm 244			
32	Electrical Resistivity	ORNL 4508, Rm 244			
33	Specimen Freezer #10 (90 deg)	ORNL 4508, Rm 244			
34	Specimen Freezer #11 (-10 deg)	ORNL 4508, Rm 244			
35	Small Heat Flow Reader	ORNL 4508, Rm 244			
36	Small Heat Flow Reader	ORNL 4508, Rm 244			
37	Hollymatic Vacuum Packager (Disconnected)	ORNL 4508, Rm 243			
38	Portable Pumping Station (Disconnected)	ORNL 4508, Rm 243			
39	Heat Sealer (Disconnected)	ORNL 4508, Rm 243			
40	Hydraulic Press (Disconnected)	ORNL 4508, Rm 243			
41	Welder (table top – Disconnected)	ORNL 4508, Rm 243			
42	Foam Diffusion Apparatus	ORNL 4508, Rm 274			



Division: ESTD  
Laboratory: Insulation Lab  
Principal Investigator: Ken Wilkes, 574-5931

Move Package Dwgs: SK-E1073-1 through 15  
New Location: E-F112, E-F110 (previous number E1072, E1073)

<b>Tag E-F110-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
43	Misc Storage Lockers and Filing Cabinets	ORNL 4508, Rm 250			
44	Specimen Freezer #1 (-40 deg)	ORNL 4508, Rm 265			
45	Specimen Freezer #2 (10 deg)	ORNL 4508, Rm 265			
46	Specimen Freezer #3 (10 deg)	ORNL 4508, Rm 265			
47	Specimen Freezer #4 (10 deg)	ORNL 4508, Rm 265			
48	Specimen Freezer #5 (-40 deg)	ORNL 4508, Rm 265			
49	Specimen Freezer #6 (-40 deg)	ORNL 4508, Rm 265			
50	Specimen Freezer #7 (-40 deg)	ORNL 4508, Rm 265			
51	Specimen Freezer #8 (90 deg)	ORNL 4508, Rm 265			
52	Specimen Freezer #9 (90 deg)	ORNL 4508, Rm 265			
53	Insulation Panels	ORNL 4508, Rm 224			
54	Recirculating Chiller	To be purchased			
55	Recirculating Chiller	To be purchased			
56	Recirculating Chiller	To be purchased			





Division: ESTD

Laboratory: MEMS/NEMS Testing Lab

Principal Investigator: Panos Datskos, 574-6205

Move Package Dwgs: SK-E2073-1 through 9

New Location: E-D202 (previous number E2073)

Tag E-D202-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
MNT33	Laser	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT34	Laser Cylinder Cabinet	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT35	Instrument Rack	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT36	Optical Table 200#	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT37	Optical Table 500#	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT38	Optical Table 200#	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT39	Laser Ablation Chamber	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT40	Flammable Cabinet	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT41	Tool Box (3)	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT42	Cryofab Tank (2)	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT45	Work Bench	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT47	Optical Table 175#	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			



Division: ESTD  
 Laboratory: MEMS/NEMS Testing Lab  
 Principal Investigator: Panos Datskos, 574-6205

Move Package Dwgs: SK-E2073-1 through 9  
 New Location: E-D202 (previous number E2073)

Tag E-D202-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
MNT49	Instrument Rack	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT50	Storage Rack	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT51	Storage Unit (4)	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT52	Work Bench	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT53	Cabinet (3)	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT54	Optical Table 800#	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT55	Instrument Shelf (over Optical Table)	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT56	Optical Table 100#	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT57	Flammable Cabinet	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT59	Table and Shelf	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT60	Work Bench	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			
MNT62	Dry Box	ORNL 4500S 2 <sup>nd</sup> Floor Rm S123			





Division: ESTD  
 Laboratory: MEMS/NEMS Testing Lab  
 Principal Investigator: Panos Datskos, 574-6205

Move Package Dwgs: SK-E2075-1 through 5  
 New Location: E-D204 (previous number E2075)

Tag E-D204-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
MNT19	Optical Table 2500#	ORNL 4500S 2 <sup>nd</sup> Floor Rm H151			
MNT20	Optical Table 600#	ORNL 4500S 2 <sup>nd</sup> Floor Rm H151			
MNT21	Instrument Rack	ORNL 4500S 2 <sup>nd</sup> Floor Rm H151			
MNT22	Glass Front Cabinet	ORNL 4500S 2 <sup>nd</sup> Floor Rm H151			
MNT25	Spectrum Analyzer	ORNL 4500S 2 <sup>nd</sup> Floor Rm H151			
MNT26	Work Bench	ORNL 4500S 2 <sup>nd</sup> Floor Rm H151			
MNT28	Desk	ORNL 4500S 2 <sup>nd</sup> Floor Rm H151			
MNT63	Work Bench (2)	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT64	N <sub>2</sub> Laser PRA Model LN1000	ORNL 4500S 2 <sup>nd</sup> Floor Rm H151			

Prepared by: \_\_\_\_\_  
 Panos Datskos, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Cathy Wilson, ESTD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date



Division: ESTD

Laboratory: MEMS/NEMS Testing Lab

Principal Investigator: Panos Datskos, 574-6205

Move Package Dwgs: SK-E2077-1 through 6

New Location: E-D206 (previous number E2077)

<b>Tag E-D206-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
MNT1	Optical Table 1000#	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
MNT2	Optical Table 800#	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
MNT3	Instrument Cabinet	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
MNT4	Dry Box (2)	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
MNT5	Table	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
MNT8	Work Bench (Desk)	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
MNT10	Work Bench (2)	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
MNT11	Instrument Cabinet	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
MNT12	Portable Chalk Board	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
MNT13	Tool Box	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
MNT14	Optical Table 750#	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT16	Work Bench	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			



Division: ESTD Laboratory: MEMS/NEMS Testing Lab Principal Investigator: Panos Datskos, 574-6205			Move Package Dwgs: SK-E2077-1 through 6 New Location: E-D206 (previous number E2077)		
Tag E-D206-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
MNT17	Instrument Rack	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
MNT18	Computer and Table	ORNL 4500S 2 <sup>nd</sup> Floor Rm R103			
1	Misc Items in Boxes 100 – 150 Boxes	Miscellaneous Rooms			

Prepared by: \_\_\_\_\_  
Panos Datskos, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
Cathy Wilson, ESTD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
Receiving Complex Manager                      Date



Division: ESTD		Move Package Dwgs: SK-E2072-1 through 7			
Laboratory: Ion Milling Lab		New Location: E-D201 (previous number E2072)			
Principal Investigator: Panos Datskos, 574-6205					
Tag E-D201-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
IM1	Focused Ion Mill	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM2	Broad Ion Mill	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM3	Large Oven	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM4	Small Oven	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM5	Small Oven	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM6	Thermal Evaporator	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM7	Profilometer Dektak 8000	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM8	Profilometer MP 2000	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM9	Diffusion System	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM10	Profilometer Taylor- Hobson	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM11	Ultratest F	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM12	Drybox	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			



Division: ESTD  
 Laboratory: Ion Milling Lab  
 Principal Investigator: Panos Datskos, 574-6205

Move Package Dwgs: SK-E2072-1 through 7  
 New Location: E-D201 (previous number E2072)

Tag E-D201-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
IM13	Vacuum Pump	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM14	Tool Box	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM15	Lateral File	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM17	Flammable Cabinet	ORNL 4500S 2 <sup>nd</sup> Floor Rm R107			
IM18	Infrared Spectrometer	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
IM19	Infrared Spectrometer Cary 2300	ORNL 4500S 2 <sup>nd</sup> Floor Rm R123			
1	Misc. Items in Boxes 100 – 150 Boxes	Miscellaneous Rooms			

Prepared by: \_\_\_\_\_  
 Panos Datskos, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Cathy Wilson, ESTD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date



Division: ESTD		Move Package Dwgs: SK-E1038-1 through 7			
Laboratory: Diamond Turning Lab		New Location: E-D102 (previous number E1038)			
Principal Investigator: Joe Cunningham, 576-4778					
Tag E-D102-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
D1	Environmental Chamber Curtains	Y12, 9201-3, Rm 245C			
D2	Computer Controller for Environmental Chamber Heaters	Y12, 9201-3, Rm 245C			
D3	Diamond Turning Machine	Y12, 9201-3, Rm 245C			
D4	Computer Controller for Diamond Turning Machine	Y12, 9201-3, Rm 245C			
D5	Chiller for Diamond Turning Machine	Y12, 9201-3, Behind Rm 245C			
D6	Vacuum Transducer and Reservoir for Diamond Turning Machine	Y12, 9201-3, Behind Rm 245C			
D7	Isolation Transformer for Diamond Turning Machine	Y12, 9201-3, Behind Rm 245C			
D8	Granite Table	Y12, 9201-3, Rm 245D			
D9	Optical Table	Y12, 9201-3, Rm 245D			
D10	Optical Table	ORNL Bldg 3500, Rm 19			
D11	20 Optical Test Instruments	Y12, 9201-3, Rm 245D			



Division: ESTD  
 Laboratory: Diamond Turning Lab  
 Principal Investigator: Joe Cunningham, 576-4778

Move Package Dwgs: SK-E1038-1 through 7  
 New Location: E-D102 (previous number E1038)

Tag E-D102-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
D13	Maple Top Work Bench (Top Only)	Y12, 9201-3, Rm 250			
D14	3 Tool Storage Cabinets w/Drawers	Y12, 9201-3, Rm 245D, Rm 250, & High Bay			
D15	Tool Storage Cabinet w/Drawers and Craftsman Tool Box	Y12, 9201-3, Rm 245D			
D16	7 Glass Front Cabinets	Y12, 9201-3, Rm 245C, Rm 245D, & High Bay			
D18	2 File Cabinets	Y12, 9201-3, Rm 245D			
D19	Electronic Rack	Y12, 9201-3, Rm 250			
D21	Flammable Storage Cabinet	Y12, 9201-3, High Bay			

Prepared by: \_\_\_\_\_  
 Joe Cunningham, Principal Investigator      Date

Concurred w/: \_\_\_\_\_  
 Cathy Wilson, ESTD Health & Safety Rep      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location      Date

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 Receiving Complex Health & Safety Rep      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager      Date



Division: ESTD Laboratory: Clean Room Lab Principal Investigator: Panos Datskos, 574-6205			Move Package Dwgs: SK-E2082-1 New Location: E-D208 & E-D206-A (previous number E2082 & E2083)		
Tag E-D208-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
1	Glass Front Cabinet (Laminaire)	Y-12 Bldg 9201-3 Near COL E1			
2	Glass Front Cabinet (Laminaire)	Y-12 Bldg 9201-3 Near COL E1			
3	Stainless Steel Top Table	Y-12 Bldg 9201-3 Near COL E1			
4	Stainless Steel Top Table	Y-12 Bldg 9201-3 Near COL E1			
5	Stainless Steel Top Table	Y-12 Bldg 9201-3 Near COL E1			
6	Stainless Steel Top Table	Y-12 Bldg 9201-3 Near COL E1			
7	Stainless Steel Rack	ORNL 4500S Rm H151			

Prepared by: \_\_\_\_\_  
 Panos Datskos, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

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 Cathy Wilson, ESTD Health & Safety Rep                      Date

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Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date



Division: ESTD Laboratory: Photonics Lab Principal Investigator: David Beshears, 946-1288	Move Package Dwgs: SK-E2079-1 through 13 New Location: E-D203, E-D205, & E-D207 (previous number E2074, E2076, & E2079)
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Tag E-D207-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
PL1	Optical Table 1500#	Room 121 NTRC			
PL2	Optical Table 400#	Room 121 NTRC			
PL3	Optical Table 300#	Room 121 NTRC			
PL4	Optical Bench	Room 121 NTRC			
PL5	Optical Bench	Room 121 NTRC			
PL6	Laser 2 Pieces	Room 121 NTRC			
PL7	Optical Test Equipment 20 each room	Room 121 NTRC			
PL8	Oven	Room 121 NTRC			
PL9	Oven	Room 121 NTRC			
PL10	Cabinets w/Glass Doors (3)	Room 121 NTRC			
PL11	Fluormeter	Room 121 NTRC			
PL12	Cabinets (30)	Room 121 NTRC			
PL13	Storage Files (2)	Room 121 NTRC			
PL14	Tool Box	Room 121 NTRC			
PL15	Cabinets (3)	Room 121 NTRC			
PL16	PC/Work Stations	Room 121 NTRC			
PL17	Lateral Files (3)	High Bay NTRC			
PL18	Cabinets (8)	High Bay NTRC			



Division: ESTD

Laboratory: Photonics Lab

Principal Investigator: David Beshears, 946-1288

Move Package Dwgs: SK-E2079-1 through 13

New Location: E-D203, E-D205, & E-D207 (previous number  
 E2074, E2076, & E2079)

<b>Tag E-D207-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
PL19	High Powered Laser (2 Pieces)	High Bay NTRC			
PL20	High Powered Laser (2 Pieces)	High Bay NTRC			
PL20A	WIM System	High Bay NTRC			
PL20B	Ramps (4)	High Bay NTRC			
PL31	Optical Table 800#	Rooms L116-L117 NTRC			
PL32	Optical Table 600#	Rooms L116-L117 NTRC			
PL33	Precision Oven and Stand	Rooms L116-L117 NTRC			
PL34	Bookcase (2)	Rooms L116-L117 NTRC			
PL36	Racks (2)	Rooms L116-L117 NTRC			
PL37	Cabinet (2)	Rooms L116-L117 NTRC			
PL38	Workbench	Rooms L116-L117 NTRC			
PL39	Laser	Rooms L116-L117 NTRC			
PL42	Work Desk	Rooms L116-L117 NTRC			



Division: ESTD Laboratory: Photonics Lab Principal Investigator: David Beshears, 946-1288			Move Package Dwgs: SK-E2079-1 through 13 New Location: E-D203, E-D205, & E-D207 (previous number E2074, E2076, & E2079)		
Tag E-D207-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
PL43	Miscellaneous Stuff	Rooms L116-L117 NTRC			

Prepared by: \_\_\_\_\_  
 David Beshears, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Cathy Wilson, ESTD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date



Division: QSD

Laboratory: Quality Control Lab

Principal Investigator: Jack Wells, 574-0401

Move Package Dwgs: SK-E-1097-1

New Location: E-F108 (previous number E-1097)

Tag E-F108-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
1	Surface Plate, Black Granite Manufacturer Microflat, top serial #101811 Frame Serial #101821	9201-3			
2	Granite Surface Plate, TAFT PIERCE	9201-3			
3	Work Bench on Wheels	9201-3			
4	Work Bench, two pieces	9201-3			
5	Scale	9201-3			
6	Scale (120 V power)	9201-3			
7	Records	9201-3			
8	Filing Cabinet	9201-3			
9	3 High Shelves	9201-3			
10	Desk	9201-3			
11	Desk	9201-3			
12	Table	9201-3			
13	Fire King Filing Cabinets (7 each)	9201-3			
14	Fire King Filing Cabinet	9201-3			
15	Metal Top Table	9201-3			
16	Microscope	9201-3			
17	Cart	9201-3			



Division: QSD Move Package Dwgs: SK-E-1097-1  
 Laboratory: Quality Control Lab New Location: E-F108 (previous number E-1097)  
 Principal Investigator: Jack Wells, 574-0401

Tag E-F108-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
18	Drafting Table	9201-3			
19	Film Reader	9201-3			
20	Rotary Table	9201-3			
21	Comparitor	9201-3			
22	Table for Comparitor	9201-3			
23	Height Gauges (3 each)	9201-3			

Prepared by: \_\_\_\_\_  
 Jack Wells, Principal Investigator Date

Concurred w/: \_\_\_\_\_  
 QSD Health & Safety Rep Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager Date



Division: M&CD

Laboratory: Concrete Testing Lab

Principal Investigator: Dan Naus, 574-0657

Move Package Dwgs: SK-E1055-1 through 5

New Location: E-D113 & E-D113-A (previous number  
E1055)

<b>Tag E-D113-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
C1	Forney Testing Machine (2 pieces)	Y12 9204-1, 1 <sup>st</sup> Floor			
C2	Concrete Mixer	Y12 9204-1, 1 <sup>st</sup> Floor			
C3	Masonry Saw	Y12 9204-1, 1 <sup>st</sup> Floor			
C4	Vibrating Table	Y12 9204-1, 1 <sup>st</sup> Floor			
C5	Balance Scale	Y12 9204-1, 1 <sup>st</sup> Floor			
C6	Portable Scale	Y12 9204-1, 1 <sup>st</sup> Floor			
C7	Hobart Mixer	Y12 9204-1, 1 <sup>st</sup> Floor			
C8	Gilson Sieve Shaker	Y12 9204-1, 1 <sup>st</sup> Floor			
C9	Creep Frames (8 Total)	Y12 9204-1, 1 <sup>st</sup> Floor Rm 102			





Division: M&CD

Laboratory: Composite Processing Lab

Principal Investigator: Ken Yarborough, 574-6622

Move Package Dwgs: SK-E1053-1 through 10

New Location: E-D105 (previous number E1053)

Tag E-D105-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
CP1	Curing Oven (New – in crate) Greeve	Y12 9204-1, 2 <sup>nd</sup> Floor High Bay Col J-16			
CP2	Curing Oven (New – in crate) Greeve	Y12 9204-1, 2 <sup>nd</sup> Floor High Bay Col J-16			
CP3	RTM (15 gal) (on cart) Liq Controls	Y12 9204-1, 2 <sup>nd</sup> Floor			
CP4	Specimen Saw and Router	Y12 9204-1, 2 <sup>nd</sup> Floor Col J-12			
CP5	Abrasive Wheel	Y12 9204-1, 2 <sup>nd</sup> Floor Col J-12			
CP6	Four Axis Winder	Y-12, 9725			
CP7	Two Axis Winder	Y-12, 9725			
CP8	Fiber Cart #1	Y-12, 9725			
CP9	Fiber Cart #2	Y-12, 9725			
CP12	Resin Transfer Molding (RTM) (5 Gal)	Y-12, 9725			
CP13	RTM (30 Gal)	Y-12, 9725			
CP14	Ultrasonic Cleaner	Y-12, 9725			
CP15	Bead Blaster	Y-12, 9725			
CP16	Ring Cut Off Saw	Y-12, 9725			
CP17	Band Saw	Y-12, 9725			
CP18	Short Beam Saw	Y-12, 9725			





Division: M&CD

Laboratory: Composite Characterization Lab

Principal Investigator: Ronnie Lomax, 574-3551

Move Package Dwgs: SK-E1052-1 through 4

New Location: E-D109 (previous number E1052)

<b>Tag E-D109-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
CC1	Calorimeter	Y12 9204-1, 2 <sup>nd</sup> Floor Room 246			
CC2	Pycnometer	Y12 9204-1, 2 <sup>nd</sup> Floor Room 246			
CC3	Dynamic Mech. Anal.	Y12 9204-1, 2 <sup>nd</sup> Floor Room 246			
CC4	Test Machine	Y12 9204-1, 2 <sup>nd</sup> Floor Room 246			
CC5	Vacuum Oven #1 and #2	Y12 9204-1, 2 <sup>nd</sup> Floor Room 246			
CC6	DCA (3 pieces)	Y12 9204-1, 2 <sup>nd</sup> Floor Room 246			
CC7	Chest Freezer	Y12 9204-1, 2 <sup>nd</sup> Floor			
CC8, CC9, CC10, & CC11	Marble (3 each) and Granite (1 each) Tables	Y12 9204-1, 2 <sup>nd</sup> Floor Room 246			



Division: M&CD Laboratory: Composite Characterization Lab Principal Investigator: Ronnie Lomax, 574-3551			Move Package Dwgs: SK-E1052-1 through 4 New Location: E-D109 (previous number E1052)		
Tag E-D109-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
CC12	Nova 2000 Analyzer Weight: 80 lbs	Y12 9204-1, 2 <sup>nd</sup> Floor Room 246			
	Miscellaneous Boxes	Y12 9204-1, 2 <sup>nd</sup> Floor Room 246			

Prepared by: \_\_\_\_\_  
 Ronnie Lomax, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Susan Lewis, M&CD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date



Division: M&CD Move Package Dwgs: SK-E1039-1 through 4  
 Laboratory: Composite Stress Lab New Location: E-D104 (previous number E1039)  
 Principal Investigator: Ronnie Lomax, 574-3551

<b>Tag E-D104-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
CS1	Strand Test Chamber and Meters Bangor/EGC	Y12 9204-1, 2 <sup>nd</sup> Floor Room 247			
CS2	Dryer for Item CS1 Dwyer LHS 300	Y12 9204-1, 2 <sup>nd</sup> Floor Room 247			
CS3	Heat Pump for CS1 Copeland	Y12 9204-1, 2 <sup>nd</sup> Floor Room 247			
CS4	Strip Heaters for CS1	Y12 9204-1, 2 <sup>nd</sup> Floor Room 247			
CS5	Load Frame #1 thru #10 ATS/20K	Y12 9204-1, 2 <sup>nd</sup> Floor Room 247			
CS6	Creep Frame #1 thru #4 ATS/1.2K	Y12 9204-1, 2 <sup>nd</sup> Floor Room 247			
CS7	Creep Frame #5 ATS/1.2K	Y12 9204-1, 2 <sup>nd</sup> Floor Room 246			
CS8	Data Acquisition	Y12 9204-1, 2 <sup>nd</sup> Floor Room 247			



Division: M&CD  
 Laboratory: Composite Stress Lab  
 Principal Investigator: Ronnie Lomax, 574-3551

Move Package Dwgs: SK-E1039-1 through 4  
 New Location: E-D104 (previous number E1039)

Tag E-D104-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
CS9	Chest Freezer Kenmore	Y12 9204-1, 2 <sup>nd</sup> Floor			

Prepared by: \_\_\_\_\_  
 Ronnie Lomax, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Susan Lewis, M&CD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

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 Receiving Complex Manager                      Date



Division: M&CD

Move Package Dwgs: SK-E1042-1 through 4

Laboratory: Composite Assembly Room and Clean Room Lab

New Location: E-D106 (previous number E1042)

Principal Investigator: Ronnie Lomax, 574-3551

<b>Tag E-D106-</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
CCR1	Curing Oven #4 Blue M/P 11	Y12 9204-1, 2 <sup>nd</sup> Floor Room 241			
CCR2	Curing Oven #5 Blue M/M256C	Y12 9204-1, 2 <sup>nd</sup> Floor Room 241			
CCR4	Gas Autoclave United McGill 9214 (K314739)	Y12 9204-1, 2 <sup>nd</sup> Floor Room 241			
CCR5	Platten Press #1 Carver	Y12 9204-1, 2 <sup>nd</sup> Floor Room 241			
CCR6	Platten Press #2 Carver (Y270443)	Y12 9204-1, 2 <sup>nd</sup> Floor Room 241			
CCR7	Centrifuge Damon/CRL 5000	Y12 9204-1, 2 <sup>nd</sup> Floor Room 241			
CCR8, CCR9, & CCR10	Flammable Storage Cabinet (Typ 3)	Y12 9204-1, 2 <sup>nd</sup> Floor Room 241			
CCR11	Marble Table	Y12 9204-1, 2 <sup>nd</sup> Floor Room 241			
CCR12	Thermolyne 4800 Furnace	Y12 9204-1, 2 <sup>nd</sup> Floor Room 241			



Division: M&CD Laboratory: Composite Assembly Room and Clean Room Lab Principal Investigator: Ronnie Lomax, 574-3551			Move Package Dwgs: SK-E1042-1 through 4 New Location: E-D106 (previous number E1042)		
Tag E-D106-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
CCR13	Ultrasonic Cleaner on Casters	Y12 9204-1, 2 <sup>nd</sup> Floor Room 241			
<b>GENERAL</b>					
G1	Boxed Items				

Prepared by: \_\_\_\_\_  
 Ronnie Lomax, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Susan Lewis, M&CD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

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 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date



Division: M&CD Laboratory: Composite Storage Lab Principal Investigator: Ronnie Lomax, 574-3551			Move Package Dwgs: SK-E1051-1 through 3 New Location: E-D107 (previous number E1051)		
Tag E-D107-	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
CST1	Walk-in Freezer (including contents)	Y12 9204-1, 2 <sup>nd</sup> Floor Room 243			

Prepared by: \_\_\_\_\_  
 Ronnie Lomax, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Susan Lewis, M&CD Health & Safety Rep                      Date

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 Receiving Complex Manager                      Date



Division: NSTD Move Package Dwgs: SK-5500-1  
 Laboratory: Isotopes Chemistry Lab New Location: 5500  
 Principal Investigator: Claude Sampson

<b>Tag 5500 -</b>	<b>Equipment Name Description/Model</b>	<b>Present Location</b>	<b>Rad Protection Review</b>	<b>Industrial Hygiene Review</b>	<b>Industrial Safety Review</b>
ICL1	Balance, Electronic (6)	Y-12 Bldg 9204-1			
ICL2	Band Saw, 14" (Hood)	Y-12 Bldg 9204-1			
ICL3	Centrifuge, Bench (2)	Y-12 Bldg 9204-1			
ICL4	Centrifuge, Floor (2)	Y-12 Bldg 9204-1			
ICL5	Crucible Furnace	Y-12 Bldg 9204-1			
ICL6	Flammable Storage	Y-12 Bldg 9204-1			
ICL7	Furnace Tube Storage	Y-12 Bldg 9204-1			
ICL8	Gas Cylinders (4)	Y-12 Bldg 9204-1			
ICL9	Glassware Storage (5)	Y-12 Bldg 9204-1			
ICL10	Glass Working Station	Y-12 Bldg 9204-1			
ICL11	Hot Plate/Stirrer (4)	Y-12 Bldg 9204-1			
ICL12	Hot Plate (Hood)	Y-12 Bldg 9204-1			
ICL13	Ion Exchange Columns (2)	Y-12 Bldg 9204-1			
ICL14	Miscellaneous Storage (4)	Y-12 Bldg 9204-1			
ICL15	Oven, Convection (2)	Y-12 Bldg 9204-1			
ICL16	Oven, Muffle (2)	Y-12 Bldg 9204-1			
ICL17	pH Meter	Y-12 Bldg 9204-1			
ICL18	Power Supply – DC (3)	Y-12 Bldg 9204-1			
ICL19	PPE Storage	Y-12 Bldg 9204-1			
ICL20	Reagent Storage (Bulk) (2)	Y-12 Bldg 9204-1			
ICL21	Reagent Storage (Lab) (5)	Y-12 Bldg 9204-1			
ICL22	Reference Book Case	Y-12 Bldg 9204-1			



Division: NSTD Laboratory: Isotopes Chemistry Lab Principal Investigator: Claude Sampson			Move Package Dwgs: SK-5500-1 New Location: 5500		
Tag 5500 -	Equipment Name Description/Model	Present Location	Rad Protection Review	Industrial Hygiene Review	Industrial Safety Review
ICL23	Refrigerator/Freezer – Explosion Proof	Y-12 Bldg 9204-1			
ICL24	Safe, Precious Metals	Y-12 Bldg 9204-1			
ICL25	Steam Table (Hood)	Y-12 Bldg 9204-1			
ICL26	Tool Box	Y-12 Bldg 9204-1			
ICL27	Tube Furnace – 3” (2)	Y-12 Bldg 9204-1			
ICL28	Tube Furnace – 6”	Y-12 Bldg 9204-1			
ICL29	Unprocessed Isotope Storage	Y-12 Bldg 9204-1			
ICL30	Vacuum Cleaner (2)	Y-12 Bldg 9204-1			
ICL31	Vacuum Oven	Y-12 Bldg 9204-1			
ICL32	Vacuum Pump	Y-12 Bldg 9204-1			
ICL33	Waste Containers (3)	Y-12 Bldg 9204-1			
ICL34	Water De-Ionizer Unit	Y-12 Bldg 9204-1			

Prepared by: \_\_\_\_\_  
 Claude Sampson, Principal Investigator                      Date

Concurred w/: \_\_\_\_\_  
 Mark Baldwin, NSTD Health & Safety Rep                      Date

Concurred w/: \_\_\_\_\_  
 RSS Technical Lead @ Current Location                      Date

Concurred w/: \_\_\_\_\_  
 Receiving Complex Health & Safety Rep                      Date

Accepted by: \_\_\_\_\_  
 Receiving Complex Manager                      Date