

# Chapter 3

## Medical

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# 1 Overview

This chapter describes the services offered by the SLAC Medical Department (Medical). Medical provides emergency care and first aid to all personnel and provides SLAC employees with primary, preventive, and occupational medical care and wellness services. The department manages and provides medical surveillance for employees exposed to specific occupational hazards regulated by the federal Department of Energy (DOE) and the Occupational Safety and Health Administration (OSHA). Primary, preventive, and occupational medical services are provided as part of the comprehensive health management program prescribed by the DOE Office of Worker Advocacy.<sup>1</sup>

# 2 Scope

This chapter applies to all personnel seeking medical care or services from Medical and the Medical Department staff.

SLAC must provide comprehensive occupational medical services to temporary and full-time employees who work on-site for more than 30 days in a 12-month period or are enrolled for any length of time in a medical or exposure monitoring program required by federal, California, or local regulation (for example, 10 CFR 851, 29 CFR 1910, Title 8, *California Code of Regulations*). Examples of such required monitoring includes respiratory protection, hearing conservation, beryllium monitoring, lead monitoring, and laser eye exams.

This chapter covers the requirements for medical services. See the Medical Department web site for specific information on obtaining first aid and emergency medical treatment, and medical service providers available for after-hour medical treatment.<sup>2</sup> See Chapter 28, “Incident Investigation”,<sup>3</sup> for specific information on injury investigation and reporting. See hazard-specific chapter for medical-related requirements for those hazards.

## 2.1 Exemptions

### 2.1.1 Non-employees

Emergency care and first aid is available to all personnel, including non-employees, through SLAC Medical. Non-employees, however, are not eligible for primary, occupational, and preventive medical care, and wellness services. Medical does not offer medical surveillance program services to subcontractors and

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1 “The Department of Energy - Office of Worker Advocacy”, <http://www.hss.energy.gov/healthsafety/fwsp/advocacy/>

2 “ES&H Medical Department”, <http://www-group.slac.stanford.edu/esh/medical/>

3 *SLAC Environment, Safety, and Health Manual* (SLAC-I-720-0A29Z-001), Chapter 28, “Incident Investigation”, <http://www-group.slac.stanford.edu/esh/general/incident/policies.htm>

all care provided to non-employees beyond first aid and emergency care must be approved and paid for by the subcontractor workers' compensation insurance provider.

### 2.1.2 Chronic Illness and Long-term Care

Chronic illness and long-term care are not provided by Medical and must be obtained through personal health care providers.

## 3 Standards

SLAC has adopted the following standards for its medical program:

- Title 10, *Code of Federal Regulations*, “Energy”<sup>4</sup>
  - Part 850, “Chronic Beryllium Disease Prevention Program”, Section 34, “Medical Surveillance” (10 CFR 850.34)
  - Part 851, “Worker Safety and Health Program” (10 CFR 851), Appendix A, Section 8 “Occupational Medicine”<sup>5</sup>
- Title 29, *Code of Federal Regulations*, “Labor”
  - Part 1910, “Occupational Safety and Health Standards”, Subpart Z, “Toxic and Hazardous Substances”, sections 1001 through 1052 (29 CFR 1910.1001–1052)<sup>6</sup>
  - Part 1910.1020, “Access to Employee Exposure and Medical Records” (29 CFR 1910.1020)<sup>7</sup>
- Title 42, *United States Code*, “The Public Health and Welfare”
  - Chapter 84, “Department of Energy”, Subchapter 16, “Energy Employees Occupational Illness Compensation Program” (42 USC 7384–7385)<sup>8, 9</sup>

*Note* See hazard-specific chapters for medical standards and requirements.

## 4 Definitions

*Medical records.* Employee medical records include the following information:

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- 4 “Code of Federal Regulations: Main Page”, <http://www.gpoaccess.gov/cfr/index.html>
  - 5 Additional information on 10 CFR 851 and its implementation is available from the following site: “Worker Safety and Health Program Final Rule - 10 CFR 851”, <http://www.hss.energy.gov/healthsafety/WSHP/rule851/851final.html>
  - 6 [http://www.osha.gov/pls/oshaweb/owadisp.show\\_document?p\\_table=STANDARDS&p\\_id=10147](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10147)
  - 7 [http://www.osha.gov/pls/oshaweb/owadisp.show\\_document?p\\_table=STANDARDS&p\\_id=10027](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10027)
  - 8 “United States Code: Main Page”, <http://www.gpoaccess.gov/uscode/index.html>
  - 9 <http://www.dol.gov/compliance/laws/comp-energy.htm>

- Medical and employment questionnaires or histories (including job description and occupational exposures).
- The results of medical examinations (pre-employment, pre-assignment, periodic or episodic) and laboratory tests (including chest and other x-ray examinations taken for the purpose of establishing a baseline or detecting occupational illnesses and all biological monitoring)
- Medical opinions, diagnoses, progress notes, and recommendations
- First aid records
- Descriptions of treatments and prescriptions
- Employee medical complaints

*Medical surveillance.* Periodic medical evaluation for personnel exposed to designated chemical, biological, and physical hazards

*Patient representative.* A person authorized by the patient in writing to view and retrieve the patient's medical records

*SLAC Training Assessment (STA).* A tracking tool accessed through the ES&H web site by managers and supervisors to designate and document training requirements for individual employees

## 5 Requirements

### 5.1 General

#### 5.1.1 First Aid and Emergency Care

Medical will provide emergency care and first aid to all personnel on a walk-in basis, and medical support for emergency responses during disasters, accidents, or fires.

##### 5.1.1.1 First Aid Kits

Area supervisors and managers may purchase from SLAC Stores OSHA-approved first aid kits.<sup>10</sup> First aid kits will be clearly marked and readily available to all area personnel, and periodically inspected and restocked. Medical will ensure first aid kits offered from SLAC Stores comply with OSHA regulations.

Where modified versions of the Stores first aid kit are wanted, approval by Medical is required. All first aid materials will be replenished as necessary and inspected frequently.

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10 "BIS – Stores", <https://www-bis1.slac.stanford.edu/main/stores.asp>

### 5.1.2 Primary Care

Medical will provide primary care for acute illness (such as the flu, colds, and headaches) to employees on a walk-in basis. Employees requiring primary care involving specialized treatment will be referred to outside medical services providers.

### 5.1.3 Preventive and Occupational Medicine

Medical will provide preventive medicine services (such as physical examinations, medical surveillance, and immunizations) and initial treatment and referral for occupational injuries and illness to employees.

#### 5.1.3.1 Physical Examinations

For full-time employees only, Medical offers employees free physical exams every five years.

#### 5.1.3.2 Medical Surveillance

Medical will provide physical examinations and all associated preventive medical care to employees required to participate in medical surveillance programs.

Managers and supervisors will identify employees required to participate in medical surveillance programs by

- Submitting a physical requirements and exposures checklist (PREC)<sup>11</sup> to the Human Resources Department<sup>12</sup> for evaluation and determination for each new job opening
- Using the SLAC Training Assessment (STA)<sup>13</sup> to identify employees required to participate in medical surveillance programs (see “Medical Surveillance Programs” for a summary<sup>14</sup>)
- Following Risk Management and Response Department recommendations resulting from work area hazard evaluations

Managers and supervisors will ensure employees complete all required medical examinations associated with medical surveillance prior to commencing work that requires medical surveillance.

#### 5.1.3.3 Immunizations

Medical offers employees the following immunizations:

- Hepatitis A and B
- Diphtheria/tetanus
- Travel and pre-travel immunization in accordance with World Health Organization guidelines

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11 Medical: Physical Requirements and Exposures Checklist (PREC) (SLAC-I-730-0A13J-006), <http://www-group.slac.stanford.edu/esh/eshmanual/references/medicalChecklistPREC.pdf>

12 “Employment”, <http://www-group.slac.stanford.edu/hr/e/default.htm>

13 “Training - SLAC Training Assessment”, <http://www-group.slac.stanford.edu/esh/training/sta/>

14 “Medical Surveillance Programs”, [https://www-internal.slac.stanford.edu/esh-db/training/slaonly/bin/catalog\\_me\\_index.asp](https://www-internal.slac.stanford.edu/esh-db/training/slaonly/bin/catalog_me_index.asp)

- Annual flu vaccines
- B12 shots (as prescribed by a physician)
- Tuberculosis skin tests

#### 5.1.3.4 Ergonomics

Medical will perform ergonomic-related medical evaluations and computer workstation ergonomic evaluations for employees. ES&H will provide computer-based training for ergonomics. (See the SLAC Ergonomic Workstation Checklist for the elements of an ergonomic evaluation.<sup>15</sup>)

#### 5.1.3.5 Occupational Illness and Injury

In the event of any occupational injury or illness, the SLAC supervisor, or for subcontractors the SLAC point of contact (POC), should strongly encourage the affected person to report to SLAC Medical immediately, even if no medical services will be sought.

In all cases, following the requirements of Chapter 28, “Incident Investigation”,<sup>16</sup> the Employee First Report of Injury (SU-17A)<sup>17</sup> must be completed and submitted to Medical within 24 hours of the injury, by the injured person. If the injured person is not a SLAC employee, the supervisor or UTR may complete this form for the person.

Medical must then notify

- ES&H incident investigation program manager
- SLAC workers’ compensation administrator<sup>18</sup>

### 5.1.4 Medical Records

#### 5.1.4.1 Maintaining Employee Medical Records

Employee medical, psychological, and employee assistance program (EAP) records must be kept confidential, protected from unauthorized access, and stored under conditions that ensure their long-term preservation. Psychological records must be maintained separately from medical records and in the custody of the designated psychologist in accordance with 10 CFR 712.38(b)(2).

Medical will maintain all employee medical records. These records include information on employee illnesses, lab test results, and other related documents. Separate, less detailed records will be maintained for non-SLAC employees by Medical. Medical will retain all medical records for a period of 75 years. Medical

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15 SLAC Ergonomic Workstation Checklist, <http://www-group.slac.stanford.edu/esh/eshmanual/references/ErgoChecklist.pdf>

16 *SLAC Environment, Safety, and Health Manual* (SLAC-I-720-0A29Z-001), Chapter 28, “Incident Investigation”, <http://www-group.slac.stanford.edu/esh/general/incident/policies.htm>

17 Incident Investigation: Employee First Report of Injury (SU-17A) (SLAC-I-730-0A21J-029), <http://www-group.slac.stanford.edu/esh/eshmanual/references/incidentsFormInvestigateSU17A.pdf>, also available from SLAC Medical

18 “Workers’ Compensation – SLAC Human Resources”, <http://www-group.slac.stanford.edu/hr/wc/>

records are strictly confidential and will not be released by Medical without written consent from the patient or patient representative.

#### 5.1.4.2 Employee Access to Medical Records

Whenever an employee or designated representative requests access to a medical record, Medical will ensure access is provided in a reasonable time, place, and manner.

### 5.1.5 Other

#### 5.1.5.1 Magnetic Fields

SLAC workers, users, subcontractors, and visitors who wear a medical electronic implant such as a cardiac pacemaker, or who have ferromagnetic implants are strongly encouraged to obtain medical clearance from their treating physician (who has knowledge of the implanted device) before working at or visiting SLAC.

#### 5.1.5.2 Employee Examinations for Impaired Performance

In accordance with the SLAC Substance Abuse policy, Medical will provide examinations for employees whose performance is impaired by the suspected use of alcohol or other controlled substances.

### 5.1.6 Reporting

Medical will provide the ES&H Coordinating Council, at least once a year, a report on the occupational medicine program, summarizing the key activities, statistics, findings, and recommendations.

### 5.1.7 Roles and Responsibilities

#### 5.1.7.1 Risk Management and Response Department

The Risk Management and Response (RMR) Department will provide to the Medical Department

- Current information about actual or potential work-related site hazards (chemical, radiological, physical, biological, or ergonomic)
- Employee job-task and hazard analysis information, including essential job functions
- Actual or potential work-site exposures of each employee based on industrial hygiene evaluations (refer to Chapter 5, “Industrial Hygiene”<sup>19</sup>)

#### 5.1.7.2 Medical Department

The Medical Department will

- Notify the ES&H incident investigation program manager and the SLAC workers’ compensation administrator of occupational injuries and illnesses
- Attend the Operating Safety Committee and the Local Safety Committee, at least once per quarter

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19 *SLAC Environment, Safety, and Health Manual* (SLAC-I-720-0A29Z-001), Chapter 5, “Industrial Hygiene”,  
[http://www-group.slac.stanford.edu/esh/hazardous\\_substances/industrial\\_hygiene/policies.htm](http://www-group.slac.stanford.edu/esh/hazardous_substances/industrial_hygiene/policies.htm)

- Participate annually in SLAC's counseling and health promotional program committee meeting
- Attend the RMR staff meeting and provide updates on injury/illness cases
- Determine the content of occupational medical surveillance exams and evaluations
- Determine the content of the occupational medical surveillance exams and conduct worker health evaluations and medical surveillance, in accordance with current sound and acceptable medical practices and all pertinent statutory and regulatory requirements
- Inform workers of the purpose, nature, and results of the medical evaluations and tests offered verbally and in writing documented in the worker's medical record
- Monitor ill and injured SLAC employees to facilitate their rehabilitation and safe return to work and to minimize lost time and its associated costs
- Place individuals under medical restrictions when health evaluations indicate that the worker should not perform certain job tasks. Notify the worker and management when employee work restrictions are imposed or removed.
- Communicate the results of health evaluations to the ES&H Division (and management as necessary) to facilitate the mitigation of worksite hazards
- Develop and maintain a record, containing any medical, health history, exposure history, and demographic data collected for occupational medicine purposes, for each employee for whom medical services are provided
- Participate in the development and periodic review of medical emergency response procedures included in site emergency and disaster preparedness plans. The medical emergency responses must be integrated with nearby community emergency and disaster plans.
- Manage SLAC's health and wellness program, including evaluation of worker health statistics and trends, and designing programs to manage preventable health and illness issues when evaluations demonstrate their cost effectiveness
- Present to the ES&H Coordinating Council, on at least an annual basis, a report on the occupational medicine program, summarizing the key activities, statistics, findings, and recommendations from the topics listed above

#### 5.1.7.3 Human Resources Department

The Human Resources Department will provide the Medical Department

- Notification of personnel actions resulting in a change of job functions
- Notifications of employee absence involving any injury or illness (both work-related and non-work-related) of more than five consecutive workdays (or an equivalent time period for those individuals on an alternative work schedule)
- Access to information from health, disability, and other insurance plans (de-identified as necessary) in order to facilitate this process

## 5.2 Procedures and Specific Requirements

### 5.2.1 Preventive and Occupational Medicine

#### 5.2.1.1 Periodic Physical Examinations

Medical will notify employees when they are due for physical examinations. Employees must schedule an appointment with Medical and notify their supervisor or manager of the appointment.

#### 5.2.1.2 Medical Surveillance Program Physical Examinations

Baseline and annual medical surveillance program physical examinations will be completed by employees exposed to workplace hazards. (See Section 5.2.3, “Medical Surveillance Programs”.)

#### 5.2.1.3 Declination of Examinations

Employees who wish to decline physical examinations are required to discuss this decision with the Medical Department physician and be informed of the benefits of preventive medicine and participation in medical surveillance programs. Employees who chose to decline physical examinations may be prevented from performing certain job duties relevant to the declined exam.

### 5.2.2 Occupational Illness and Injury Reporting and Notification

All personnel suffering from occupational injury are required to submit the Employee First Report of Injury (SU-17A) to Medical within 24 hours.<sup>20</sup> The purpose of the SU-17A form is to document the injury and begin the notification and investigation process. (For more information, see Incident Investigation: Investigation Procedures.<sup>21</sup>)

### 5.2.3 Medical Surveillance Programs

Employees may be exposed to hazards with medical surveillance requirements. Managers and supervisors must document this information in the ES&H Training Database using the STA<sup>22</sup> and ensure employees are offered the opportunity to participate in the associated medical surveillance program.

Medical surveillance requirements are established in each hazard-specific chapter. (See “Medical Surveillance Programs” for a summary.<sup>23</sup>)

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20 Incident Investigation: Employee First Report of Injury (SU-17A) (SLAC-I-730-0A21J-029), <http://www-group.slac.stanford.edu/esh/eshmanual/references/incidentsFormInvestigateSU17A.pdf>

21 Incident Investigation: Investigation Procedures (SLAC-I-730-0A21C-022), <http://www-group.slac.stanford.edu/esh/eshmanual/references/incidentsProcedInvestigate.pdf>

22 “Training - SLAC Training Assessment”, <http://www-group.slac.stanford.edu/esh/training/sta/>

23 “Medical Surveillance Programs”, [https://www-internal.slac.stanford.edu/esh-db/training/slaonly/bin/catalog\\_me\\_index.asp](https://www-internal.slac.stanford.edu/esh-db/training/slaonly/bin/catalog_me_index.asp)

## 5.2.4 Immunizations

Medical will provide the authorized personnel immunizations for

- Annual flu vaccines
- Diphtheria/tetanus boosters
- B12 shots, under specific direction from the patient's physician
- Travel and pre-travel immunization advice, following World Health Organization guidelines
- Hepatitis A vaccine, for personnel traveling on business
- Hepatitis A and B vaccine, for personnel exposed to blood or bodily fluids in the process of administering CPR or first aid. Counseling, testing, and follow-up are also offered.
- Tuberculosis skin tests

(For more details, see chapters 37, "Emergency Management",<sup>24</sup> and 46, "Blood-borne Pathogens".<sup>25</sup>)

## 5.2.5 Ergonomics

An ergonomic evaluation will be offered by Medical to employees who work at a computer workstation for more than four hours per day. (See the SLAC Ergonomic Workstation Checklist.<sup>26</sup>)

## 5.2.6 Medical Records

### 5.2.6.1 Maintenance of Medical Surveillance Records

Managers and supervisors will ensure surveillance requirements for each employee are entered in the training database and communicated to the employee.

### 5.2.6.2 Employee Access to Medical Records

Employees who wish to have a copy of their medical records must make such a request in writing to Medical.<sup>27</sup>

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24 *SLAC Environment, Safety, and Health Manual* (SLAC-I-720-0A29Z-001), Chapter 37, "Emergency Management", <http://www-group.slac.stanford.edu/esh/emergency/chapter/policies.htm>

25 *SLAC Environment, Safety, and Health Manual* (SLAC-I-720-0A29Z-001), Chapter 46, "Blood-borne Pathogens", [http://www-group.slac.stanford.edu/esh/hazardous\\_substances/bloodborne/policies.htm](http://www-group.slac.stanford.edu/esh/hazardous_substances/bloodborne/policies.htm)

26 SLAC Ergonomic Workstation Checklist, <http://www-group.slac.stanford.edu/esh/eshmanual/references/ErgoChecklist.pdf>

27 "ES&H Medical Department", <http://www-group.slac.stanford.edu/esh/medical/>

## 5.2.7 Other

### 5.2.7.1 Magnetic Fields

SLAC workers, users, subcontractors, and visitors who wear a medical electronic implant such as a cardiac pacemaker, or who have ferromagnetic implants, are strongly encouraged to get a medical clearance from their treating physician (who has knowledge of the implanted device) before working at or visiting SLAC. A small number of electronic implanted devices may be sensitive to magnetic fields as low as five gauss.

Those with special medical conditions should present the written medical clearance to Medical documenting they are capable of safely working at or visiting the laboratory. Medical and the RMR Department can provide information on the types and intensity of magnetic fields for the treating physician to consider.

## 5.3 Training

Occupational medicine services are provided under the direction of a graduate of a school of medicine or osteopathy and licensed for the practice of medicine in the state of California. Occupational medical physicians, occupational health nurses, physician's assistants, nurse practitioners, psychologists, employee assistance counselors, and other occupational health personnel providing occupational medicine services must be licensed, registered, or certified as required by federal and/or California law.

Medical surveillance examinations are recorded in the SLAC Training Assessment (STA) for each employee.

The following medical-related courses are offered to SLAC employees:

- ES&H Course 138, CPR/First Aid<sup>28</sup>
- ES&H Course 291, Ergonomics Training<sup>29</sup>

## 6 Exhibits

- "ES&H Medical Department"<sup>30</sup>
- Medical: Physical Requirements and Exposures Checklist (SLAC-I-720-0A29Z-001)<sup>31</sup>
- SLAC Ergonomic Workstation Checklist<sup>32</sup>
- "Medical Surveillance Programs"<sup>33</sup>

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28 [https://www-internal.slac.stanford.edu/esh-db/training/slaonly/bin/catalog\\_item.asp?course=138](https://www-internal.slac.stanford.edu/esh-db/training/slaonly/bin/catalog_item.asp?course=138)

29 [https://www-internal.slac.stanford.edu/esh-db/training/slaonly/bin/catalog\\_item.asp?course=291](https://www-internal.slac.stanford.edu/esh-db/training/slaonly/bin/catalog_item.asp?course=291)

30 <http://www-group.slac.stanford.edu/esh/medical/>

31 <http://www-group.slac.stanford.edu/esh/eshmanual/references/medicalChecklistPREC.pdf>

32 <http://www-group.slac.stanford.edu/esh/eshmanual/references/ErgoChecklist.pdf>

33 [https://www-internal.slac.stanford.edu/esh-db/training/slaonly/bin/catalog\\_me\\_index.asp](https://www-internal.slac.stanford.edu/esh-db/training/slaonly/bin/catalog_me_index.asp)

- “SLAC Training Assessment (STA)”<sup>34</sup>
- Incident Investigation: Employee First Report of Injury (SU-17A) (SLAC-I-730-0A21J-029)<sup>35</sup>
- “Workers’ Compensation”<sup>36</sup>
- “Employment”<sup>37</sup>

## 7 References

*SLAC Environment, Safety, and Health Manual* (SLAC-I-720-0A29Z-001)<sup>38</sup>

- Chapter 5, “Industrial Hygiene”<sup>39</sup>
- Chapter 28, “Incident Investigation”<sup>40</sup>
- Chapter 37, “Emergency Management”<sup>41</sup>
- Chapter 46, “Blood-borne Pathogens”<sup>42</sup>

Other

- *SLAC Chronic Beryllium Disease Prevention Program* (SLAC-I-730-0A09M-001)<sup>43</sup>

## 8 Implementation

The requirements of this chapter are effective upon publication unless otherwise noted here.

## 9 Ownership

Department: Risk Management and Response

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34 <http://www-group.slac.stanford.edu/esh/training/sta/>

35 <http://www-group.slac.stanford.edu/esh/eshmanual/references/incidentsFormInvestigateSU17A.pdf>

36 <https://www-internal.slac.stanford.edu/hr/wc/wcslac.html>

37 <http://www-group.slac.stanford.edu/hr/e/default.htm>

38 <http://www-group.slac.stanford.edu/esh/eshmanual/>

39 [http://www-group.slac.stanford.edu/esh/hazardous\\_substances/industrial\\_hygiene/policies.htm](http://www-group.slac.stanford.edu/esh/hazardous_substances/industrial_hygiene/policies.htm)

40 <http://www-group.slac.stanford.edu/esh/general/incident/policies.htm>

41 <http://www-group.slac.stanford.edu/esh/emergency/chapter/policies.htm>

42 [http://www-group.slac.stanford.edu/esh/hazardous\\_substances/bloodborne/policies.htm](http://www-group.slac.stanford.edu/esh/hazardous_substances/bloodborne/policies.htm)

43 <http://www-group.slac.stanford.edu/esh/documents/beryllium.pdf>

Program: Medical

Owner: Program Manager



# Medical: Physical Requirements and Exposures Checklist

Department: Risk Management and Response

Program: Medical

Owner: Program Manager

Authority: ES&H Manual, Chapter 3, Medical<sup>1</sup>

This form must accompany all employment requisitions in order to assist the Medical Department in evaluating the necessity for a pre-placement physical examination for persons who have received employment offers and have accepted the position.

Requisition number: \_\_\_\_\_

Employee name: \_\_\_\_\_

Job classification/title: \_\_\_\_\_

Department: \_\_\_\_\_

Supervisor name: \_\_\_\_\_ Ext: \_\_\_\_\_

Supervisor signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Essential Activities

Please check activities that are essential functions (the core purpose of the position):

### 1. Body Movements

Lifting weight	<input type="checkbox"/> 0-19 lbs	<input type="checkbox"/> 20-39 lbs	<input type="checkbox"/> 40-59 lbs	<input type="checkbox"/> >59 lbs
Lifting frequency	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Bending/pushing	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Reaching overhead	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Pulling loads	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Kneeling	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Climbing ladders	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Climbing stairs	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Wrist torquing	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Gripping	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Driving	Hours at a time: _____		Total hours: _____	

### 2. Visual and Auditory Acuity

Accurate color perception  Accurate depth perception  
 Ability to hear emergency communications over telephone

<sup>1</sup> SLAC Environment, Safety, and Health Manual (SLAC-I-720-0A29Z-001), Chapter 3, "Medical", <http://www-group.slac.stanford.edu/esh/medical/chapter/policies.htm>

## Medical: Physical Requirements and Exposures Checklist

### 3. Repetitive Hand Motion

Occasional: two hours/day; frequently: up to four hours

- |                         |                               |                                     |                                     |
|-------------------------|-------------------------------|-------------------------------------|-------------------------------------|
| Keyboarding/typing      | <input type="checkbox"/> Some | <input type="checkbox"/> Occasional | <input type="checkbox"/> Frequently |
| Gripping/clicking mouse | <input type="checkbox"/> Some | <input type="checkbox"/> Occasional | <input type="checkbox"/> Frequently |
| Collating               | <input type="checkbox"/> Some | <input type="checkbox"/> Occasional | <input type="checkbox"/> Frequently |
| Stapling                | <input type="checkbox"/> Some | <input type="checkbox"/> Occasional | <input type="checkbox"/> Frequently |
| Telephone               | <input type="checkbox"/> Some | <input type="checkbox"/> Occasional | <input type="checkbox"/> Frequently |

### 4. Physical Hazards

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Ladder >four ft       | <input type="checkbox"/> Ladder >10 ft        | <input type="checkbox"/> Elevated work surfaces      |
| <input type="checkbox"/> Confined spaces       | <input type="checkbox"/> Excavation/trenching |  |
| <input type="checkbox"/> Electrical <120 V     | <input type="checkbox"/> Electrical 120–600 V | <input type="checkbox"/> Electrical >600 V           |
| <input type="checkbox"/> Energized magnets     | <input type="checkbox"/> Microwave source     | <input type="checkbox"/> Ultraviolet/infrared source |
| <input type="checkbox"/> Pressure and vacuum   | <input type="checkbox"/> Paint/lacquer        | <input type="checkbox"/> Radiation work              |
| <input type="checkbox"/> Temperature extremes: | hot: _____                                    | cold: _____  |

### 5. Machine Operations

- |                                       |   |  |                                      |
|---------------------------------------|---|--|--------------------------------------|
| <input type="checkbox"/> Automobile   | <input type="checkbox"/> Truck              | <input type="checkbox"/> Moped         | <input type="checkbox"/> Pipe bender |
| <input type="checkbox"/> Forklift     | <input type="checkbox"/> Forklift >six tons | <input type="checkbox"/> Bridge crane  | <input type="checkbox"/> Other       |
| <input type="checkbox"/> Mobile crane | <input type="checkbox"/> Scissors lift      | <input type="checkbox"/> Man lift      |                                      |
| <input type="checkbox"/> Mill         | <input type="checkbox"/> Brake              | <input type="checkbox"/> Punch press   |                                      |
| <input type="checkbox"/> Lathe        | <input type="checkbox"/> Table saw          | <input type="checkbox"/> Pipe threader |                                      |

### Medical Surveillance

Pre-placement and annual medical surveillance examinations are mandatory for a new or reassigned employee who meets any one of the following categories:

- Works with Class 3b or Class 4 lasers or have suspected laser induced injury
- Handles lead bricks more than 30 minutes on any work day
- Works in a designated noise hazard area
- Works in the MFD Electroplating Shop
- Is required to wear a respirator
- Cuts metal by torch or welds >20 days/year
- Operates mobile cranes overhead cranes from the pulpit, or cab operated truck cranes over one ton
- Will be designated as requiring HAZWOPER surveillance by the ESH Environmental Protection Department

### Physical Examination

*To be completed by Medical Department staff*

- Required (if any one item in Section 4 is checked; Medical Department staff will arrange for a pre-placement, post-job offer, baseline physical examination before the new hire reports to work)
- Not required