Worker Health Protection Program

Overview of Medical Screening Program and Early Lung Cancer Detection (ELCD)

Energy Workers’ Compensation Program Webinar
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Worker Health Protection Program
Overview – Who We Are

- WHPP is implemented by physicians and support staff with extensive occupational health experience at Queens College of the City University of New York.

- WHPP partners with:
  1) Medical clinics located within DOE communities serviced;
  2) United Steelworkers (USW);
  3) Atomic Trades and Labor Council (ATLC).
• WHPP is funded by the DOE, with independent medical evaluations conducted by a team of Queens College physicians, since 1999.

• WHPP has local “outreach coordinators” (usually former workers) present in each of our DOE communities. Outreach coordinators assist with providing: program outreach; enrollment assistance; EEOICP and State claims guidance; and other participant inquiries.
Worker Health Protection Program
Overview- What We Do

• Provide no-cost evaluations by occupational health focused physicians to assess for health effects related to radiation, asbestos, beryllium, noise, solvents, and other chemical exposures common past and present across DOE complex.

• Exams include tests and interpretations that General Practitioners are unlikely to perform, including: chest x-ray (with b-read), beryllium sensitivity test, breathing test, and audiogram.

• Detailed blood work and general health physicals are also provided. Exams also include non-occupational components, such as a screen for diabetes, high cholesterol and hypertension. (Although WHPP medical screening does not replace annual primary care physicals)
Worker Health Protection Program
Overview- What We Do (Continued)

• Offer and encourage repeat examinations once every three years, due to potential latency of occupational illness.

• Low-dose CT scan for the early detection of lung cancer is also offered for a subset of high-risk participants, on an annual basis.
Worker Health Protection Program Overview – What We Do (continued)

• Team of Queens College physicians review medical results and write detailed results letters that are sent to participants and within 8-10 weeks.

• Results letters include:
  - Recommendations about medical follow-up and compensation, including the Energy Employees Occupational Illness Compensation Program (EEOICP).
  - General health advice, including recommendations for other cancer screening and smoking cessation.

• Participants with urgent abnormal results are contacted as soon as possible by phone or priority mail.

• Medical results are confidential and never shared with the DOE or any unauthorized entity.

• We provide extra copies of exams with medical releases upon request.
<table>
<thead>
<tr>
<th>Site</th>
<th>State</th>
<th>Workers Eligible for Medical Screening</th>
<th>ELCD Available?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brookhaven National Laboratory</td>
<td>NY</td>
<td>Former Workers (Excluding Building Trades)</td>
<td>No</td>
</tr>
<tr>
<td>Fernald Plant</td>
<td>OH</td>
<td>Former Workers, Post-1986 (Excluding Building Trades)</td>
<td>Yes</td>
</tr>
<tr>
<td>Idaho National Laboratory</td>
<td>ID</td>
<td>Former Workers (Excluding Building Trades)</td>
<td>Yes</td>
</tr>
<tr>
<td>K-25 Gaseous Diffusion Plant</td>
<td>TN</td>
<td>Current and Former Workers (Excluding Building Trades)</td>
<td>Yes</td>
</tr>
<tr>
<td>Lawrence Berkeley National Lab.</td>
<td>CA</td>
<td>Former Workers</td>
<td>Yes</td>
</tr>
<tr>
<td>Lawrence Livermore National Lab.</td>
<td>CA</td>
<td>Former Workers</td>
<td>Yes</td>
</tr>
<tr>
<td>Mound Plant</td>
<td>OH</td>
<td>Former Workers (Excluding Building Trades)</td>
<td>Yes</td>
</tr>
<tr>
<td>Nevada National Security Site (Previously Nevada Test Site)</td>
<td>NV</td>
<td>Former Workers</td>
<td>Yes</td>
</tr>
<tr>
<td>Oak Ridge National Laboratory</td>
<td>TN</td>
<td>Former Workers (Excluding Building Trades)</td>
<td>Yes (&amp; current)</td>
</tr>
<tr>
<td>Paducah Gaseous Diffusion Plant</td>
<td>KY</td>
<td>Current and Former Workers (Excluding Building Trades)</td>
<td>Yes</td>
</tr>
<tr>
<td>Portsmouth Gaseous Diffusion Plant</td>
<td>OH</td>
<td>Current and Former Workers (Excluding Building Trades)</td>
<td>Yes</td>
</tr>
<tr>
<td>Sandia National Laboratory- California</td>
<td>CA</td>
<td>Former Workers</td>
<td>Yes</td>
</tr>
<tr>
<td>Y-12 National Security Complex</td>
<td>TN</td>
<td>Former Workers (Excluding Building Trades)</td>
<td>Yes (&amp; current)</td>
</tr>
<tr>
<td>Waste Isolation Pilot Plant</td>
<td>NM</td>
<td>Former Workers (Excluding Building Trades)</td>
<td>No</td>
</tr>
</tbody>
</table>
Number of WHPP Participants by Site through 9/30/21

- LLNL, LBNL and SNL-CA: 2,786
- Mound: 1,508
- Fernald: 990
- K-25: 4,798
- Y-12: 4,362
- Paducah: 3,528
- Portsmouth: 3,816
- BNL: 480
- ORNL: 2,431
- INL: 4,676
- NTS: 5,602
- WIPP: 16

Worker Health Protection Program Overview - Who We See (Continued)

*****35,000+ Participants Since 1999*****
Early Lung Cancer Detection (ELCD) Program-Overview

* WHPP ELCD annual screening for those who meet a specified criteria based on smoking, age, work and health history.*

Source:
https://www.cdc.gov/mmwr/volumes/69/wr/mm6908a1.htm
Early Lung Cancer Detection Program (ELCD)- Overview

• In absence of screening, lung cancer is often detected only after symptoms occur, when treatment is unlikely to be effective

• The goal of lung cancer screening is to detect lung cancer before symptoms occur, when treatment can be effective

• Low-dose CT scan has been proven to reduce mortality from lung cancer.
Early Lung Cancer Detection (ELCD) Program – What We Do

• WHPP’s ELCD program provides low-dose CT scan and follow-up for a subset of DOE workers at greatest risk for developing lung cancer.

• Annual screening is available for participants who meet a specified criteria based on smoking, age, work and health history. Interim follow-ups for suspicious findings.
Early Lung Cancer Detection (ELCD) Program—What We Found

• Over 13,845 CT scan participants in the ELCD program since 2000.

• 201 participants have been diagnosed with primary lung cancer from 2000 through 9/30/2021.

• 137 of the 192 (71.4 percent) individuals whose lung cancers have been staged to date, had an early stage lung cancer at the time of diagnosis.

• Lung cancer has been detected in 1 of approximately 68 DOE workers cumulatively tested since 2000 (N=13,845).
Early Lung Cancer Detection (ELCD) Program-
What We Found (continued)

“I worked for 32 years at the Y-12 plant as a machinist. I received a low-dose CT scan in July of 2009 through the WHPP Early Lung Cancer Detection Program. I was contacted the following day and told that I needed to see a doctor immediately for follow-up. WHPP assisted me in getting an appointment as soon as possible with a pulmonologist and supplied a copy of my scan. The doctor reviewed my scan and did additional tests. He then referred me to a surgeon, and I had lung surgery in an urgent manner. The lower lobe on my left lung was removed, and the pathology report confirmed it was cancer. At the time of my test, I did not have any symptoms. If it had not been for this program and I had not participated in it, by the time my cancer would have been discovered, it would probably have been too late. I believe the medical screening program saved my life. It has been eight years today, and I am cancer free thanks to this program.”

- Fred W. Farley, former Y-12 worker
Worker Health Protection Program
How to Contact Us

• Appointment and other information:
  □ 1-888-241-1199
  □ info@worker-health.org

• Other program information:
  □ https://www.facebook.com/WorkerHealthProtectionProgramwhpp
  □ www.worker-health.org
Questions?