U.S. Department Of Energy
Former Worker Medical Screening Program:
An Overview

FWP Webinar Series

Wednesday, October 12, 2022
2:00 p.m. (ET)

We will start promptly at the top of the hour.
The webinar is being recorded.

https://www.energy.gov/ehss/former-worker-medical-screening-program-0
**U.S. Department Of Energy**  
**Former Worker Medical Screening Program: An Overview**

<table>
<thead>
<tr>
<th>PANELIST</th>
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<tbody>
<tr>
<td>Trish Quinn, Moderator</td>
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<tr>
<td>Greg Lewis, Office of Worker Screening and Compensation Support, Office of Environment, Health, Safety, and Security, DOE</td>
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<tr>
<td>Nickie Warren, Pantex FWP</td>
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<tr>
<td>Dr. Aisha Rivera Margarin, JHU FWP for Los Alamos and Sandia</td>
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<tr>
<td>Jill Welch, Burlington AEC Plant and Ames Lab FWP</td>
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<tr>
<td>Zachary Busse, Worker Health Protection Program</td>
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<tr>
<td>Kim Cranford, Building Trades National Medical Screening Program</td>
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<tr>
<td>Wendy Benade, National Supplemental Screening Program</td>
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</tbody>
</table>
Department of Energy Former Worker Medical Screening Program

Office of Environment, Health, Safety and Security
October 2022
DOE History

Albert Einstein and Leo Szilard – 1939 Letter
DOE History

"The Gadget"

Trinity Test
DOE History

Broad mission

• Production facilities - producing feedstock, making parts and performing assembly and maintenance of weapons
• Nuclear weapons research labs
• Nuclear weapons testing
• Nuclear energy research
• Cleanup and closure
• Science Labs
• Other (clean energy research, strategic petroleum reserve, etc.)
DOE History

High Vacuum System – Brookhaven National Laboratory
DOE History

Oak Ridge Gaseous Diffusion Plant – Machine Shop
DOE History

Hanford Site Construction
DOE History

Hanford Tank Farms
Historically, potential hazards include but are not limited to:

- Ionizing radiation
  - Uranium
  - Plutonium
  - Thorium
  - Others
- Beryllium
- Asbestos
- Silica
- Solvents
- Chromium
- Lead
- Methyl Ethyl Ketone
- Trichloroethylene
- Ethyl Benzine
- Carbon Tetrachloride
- Mercury
- Welding
Established following the issuance of the Fiscal Year 1993 Defense Authorization Act (P.L. 102-484), authorizing DOE to:

“...establish and carry out a program for the identification and on-going medical evaluation of...former DOE employees who are subject to significant health risks as a result of the exposure of such employees to hazardous or radioactive substances during such employment....”

First former worker projects were initiated in 1996.

Program serves all former workers from all DOE sites in locations close to their residence.
FWP Mission

- Identify and notify former workers at risk for occupational disease.
- Offer them medical screening that can lead to treatment.
- Provide information and assistance about medical follow-up and compensation.
- Use findings to strengthen safety and health protection for current and future workers.
FWP Scope

• Approximately 1 million former workers potentially eligible
  – Majority are contractor and subcontractor workers (not Federal employees)
  – Many are not career employees
  – Subcontractors (layers)
  – Construction trades workers
  – Guards, maintenance, other support staff
  – May have been on and off the site multiple times
Two types of screening:

• Conventional Medical screening
  – Initial exam
  – Follow up exam (eligible every 3 years)

• Early Lung Cancer Detection Program
  – Low-dose helical computed tomography (CT) scans to screen for lung cancer
  – Offered only to workers at high risk
FWP Scope

The components of the screening examination are based on an individual's work and exposure history and may include:

• Physical exam
• Chest x-ray with B read
• Spirometry
• Audiometry
• Basic blood work
• Urinalysis
• Specialized blood and urine tests for certain at-risk individuals
  – Beryllium Lymphocyte Proliferation Test
FWP Scope

- DOE uses independent occupational medicine experts from universities, labor unions, and commercial organizations to administer the medical screening program and ensure an objective evaluation of the health of former DOE workers.

- Screenings are provided by six cooperative agreement holders (third party providers).

- Screenings are provided at clinics in communities near DOE sites. Nationwide network of clinics allows services to be provided near most workers’ residences.
1. **Pantex Former Worker Program, conducted by The University of Texas at Tyler Health Science Center:**
   - Workers from *Pantex Plant (Texas)*

2. **Johns Hopkins University Bloomberg School of Public Health**
   - Workers from *Los Alamos National Lab and Sandia National Lab (New Mexico)*

3. **University of Iowa College of Public Health**
   - Workers from *Ames Lab and Iowa Army Ammunition Plant (Iowa)*

4. **Worker Health Protection Program (WHPP)**
   - Conducted by Queens College City University of New York
   - Workers from *13 DOE sites*
5. **Building Trades National Medical Screening Program (BTMed):**
   - Conducted by CPWR - The Center for Construction Research and Training
   - Construction/building trades workers only, from 35 DOE sites

6. **National Supplemental Screening Program (NSSP):**
   - Conducted by Oak Ridge Associated Universities
   - Workers from 8 DOE sites nationwide
   - All workers from:
     - sites not covered by regional projects
     - no longer live near the regional screening clinics
The Former Worker Program has provided a total of

- 161,026 conventional medical screening exams (initial and re-screen exams) to 96,384 former workers

- 64,241 baseline, follow-up, and annual low-dose CT scans for occupational lung cancer to 15,651 participants
FWP Numbers

Participants Screened by State of Residence
Resources for FWP Information

- FWP website:
  
  https://www.energy.gov/ehss/former-worker-medical-screening-program-0

- FWP findings:

  Under the “Medical Screening Exam Findings” tap on the FWP website
### FWP Findings

**Table 4. Initial Spirometry Screening Findings by State/Site**  
(1997 through September 2021)

<table>
<thead>
<tr>
<th>State</th>
<th>Site Description</th>
<th>Smoke Conducted</th>
<th>Obstructive Airways Dysfunction Cases Detected</th>
</tr>
</thead>
<tbody>
<tr>
<td>AK</td>
<td>Anchorage Island Test Site</td>
<td>1,150</td>
<td>177</td>
</tr>
<tr>
<td></td>
<td>Lawrence Berkeley NL</td>
<td>498</td>
<td>50</td>
</tr>
<tr>
<td>CA</td>
<td>Lawrence Livermore NL</td>
<td>2,751</td>
<td>264</td>
</tr>
<tr>
<td>CA</td>
<td>Sandia NL, CA</td>
<td>168</td>
<td>16</td>
</tr>
<tr>
<td>CO</td>
<td>Rocky Flats Plant - Construction Workers</td>
<td>925</td>
<td>223</td>
</tr>
<tr>
<td>CO</td>
<td>Rocky Flats Plant - Production Workers</td>
<td>4,316</td>
<td>932</td>
</tr>
<tr>
<td>FL</td>
<td>Pinellas Plant - Production Workers</td>
<td>767</td>
<td>188</td>
</tr>
<tr>
<td>IA</td>
<td>Ames Laboratory</td>
<td>2,761</td>
<td>231</td>
</tr>
<tr>
<td>IA</td>
<td>Iowa Army Ammunition Plant</td>
<td>1,355</td>
<td>277</td>
</tr>
<tr>
<td>ID</td>
<td>Idaho NL - Construction Workers</td>
<td>1,153</td>
<td>248</td>
</tr>
<tr>
<td>ID</td>
<td>Idaho NL - Production Workers</td>
<td>5,384</td>
<td>643</td>
</tr>
<tr>
<td>IL</td>
<td>Argonne NL</td>
<td>769</td>
<td>73</td>
</tr>
<tr>
<td>IL</td>
<td>Fermi National Accelerator Lab</td>
<td>183</td>
<td>13</td>
</tr>
<tr>
<td>KY</td>
<td>Paducah GPO - Construction Workers</td>
<td>1,031</td>
<td>243</td>
</tr>
</tbody>
</table>

DOE History

Hanford B Reactor
Pantex Former Worker Medical Surveillance Program

Who we are

- Managed by:
  The University of Texas Tyler
  Health Science Center, Tyler TX
- Consultant (and former PI):
  • Arthur L. Frank, MD, PhD
    Drexel University
    Dornsife School of Public Health
    Philadelphia, PA
- Screening Exams in Amarillo:
  • Angela Phillips, DNP, APRN, FNP-BC
    West Texas A&M University
    Canyon, TX

Key UT program staff

PI: C. David Rowlett, MD, MS, FACOEM

Co-PI: Cynthia K. Ball, DO, MS, FACOEM

Coordinator/Manager: Nickie B. Warren
We serve DOE former workers who:

- worked at the following DOE Site: Pantex Plant/Facility in Amarillo, Texas
- and currently live: Any distance from the above DOE work site
  - Over 100 miles from Amarillo – offer referral to NSSP for location closer to home
- and worked in: Production, operations, administration, or any on-site role, to include contracted work onsite.

What we’ve done:

Former workers screened:
1,326
Exams performed:
2,193
Pantex Former Worker Medical Surveillance Program

For more information or to enroll:
• Call us at 1-806-378-8939
• Call us toll-free at 1-888-378-8939
• Email: PantexFormerWorkers@uthct.edu
Johns Hopkins Former Workers Program For Los Alamos and Sandia National Laboratories

Who we are

• Managed by Johns Hopkins School of Public Health

• Our partners: University of New Mexico

• Screening clinics: Until 2020, model involved visits 2-3x year where we did exam swoops. Currently, as a result of COVID-19 exams are being done through a clinic in Santa Fe, NM

Key program staff

Johns Hopkins School of Public Health (Baltimore, MD)

Dr. Brian Schwartz
Co-principal Investigator

Dr. Aisha Rivera Margarin
Co-principal Investigator

• Heidi Curriero, Administrative Assistant

Española Program Office (Española, New Mexico):

• Rebecca Trujillo, Interviewer; Former LANL Worker
• Joslyn Cordova, Administrative Assistant
We serve DOE former workers who:

- worked at one or more of the following DOE Sites: Los Alamos National Laboratories, Sandia National Laboratories (Albuquerque, NM)
- and currently live: New Mexico
- and worked in: Open to former workers of the DOE sites we serve

What we’ve done:

Former workers screened (initial screens):
3,850 (SNL- 388, LANL- 3,462)

Exams performed:
4,605 (SNL- 444, LANL- 4,161)
For more information or to enroll:

- Call us at 1-877-500-8615 (toll free) or 505-753-0193 (local)
- Visit us online at https://www.jhsph.edu/research/affiliated-programs/medical-exam-program-for-former-workers-at-los-alamos-national-laboratory/
- Email: lanlfwms@jhsph.edu
Who we are

- University of Iowa College of Public Health
- 4 Screening Clinics in Iowa:
  - McFarland Clinic, Ames
  - Machinists Union Hall, West Burlington
    - Great River Medical Center
  - Henry County Health Center, Mt. Pleasant
  - BioVentures Center, Coralville
    - UI Occupational Health
- Live 2+ hours away from the screening clinics are referred to NSSP

Key program staff

- Dr. Marek Mikulski
  - Director
  - Principal Investigator
- Dr. Lar Fuortes
  - Professor Emeritus
  - Physician
- Jill Welch, Project Coordinator
- Valentina Clottey, Medical Screenings & Results
- Christina Nichols, Medical Screenings & EEOICPA claims
- Nick Hoeger, Recruitment & Scheduling
We serve DOE former workers who:

worked at the following DOE Sites:
- Line 1/Division B/Burlington AEC Plant at the Iowa Army Ammunition Plant (IAAP) in West Burlington, IA from 1949-1975
- Ames Laboratory in Ames, IA

and currently live: In the United States

and worked in: All job categories

What we’ve done:
BAECP & Ames Laboratory former workers screened: 3,663
Exams performed: 8,268
For more information:

• Call us **toll-free at 1-866-282-5818 or direct at 319-335-8495**

• Visit us online at **www.iowafwp.org**

• Email **oeh-iowafwp@uiowa.edu**
Worker Health Protection Program (WHPP)

Who we are

• Managed by Barry Commoner Center for Health and the Environment, Queens College, City University of New York (CUNY)

• Our partners:
  • United Steel Workers (USW)
  • Atomic Trades and Labor Council (ATLC)

• Screening clinics:
  • Netgain (Oak Ridge, TN)
  • Machen Family Medicine (Idaho Falls, ID)
  • UNLV School of Medicine (Las Vegas, NV)
  • More in CA, KY, NY, OH, & TN

Key program staff

Dr. Steven Markowitz, MD, DrPH
• Principal Investigator & Project Director since 1997
• Chair of DOL Advisory Board on Toxic Substances and Worker Health

Local Coordinators
### Worker Health Protection Program (WHPP)

**We serve DOE former workers who**

<table>
<thead>
<tr>
<th>Worked at one or more of the following DOE Sites:</th>
<th>and currently live:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Lawrence Berkeley, Lawrence Livermore, and Sandia National Labs (CA)</td>
<td>In the vicinity of above sites (CA, ID, KY, NV, NY, OH, or TN)</td>
</tr>
<tr>
<td>• Idaho National Laboratory (ID)</td>
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<tr>
<td>• Paducah Gaseous Diffusion Plant (KY)</td>
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<tr>
<td>• Waste Isolation Pilots Plant (NM)</td>
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<tr>
<td>• Nevada National Security Site (NV)</td>
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<tr>
<td>• Brookhaven National Laboratory (NY)</td>
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<tr>
<td>• Fernald Feed Materials Production Center (OH)</td>
<td></td>
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<tr>
<td>• Mound Plant (OH)</td>
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<tr>
<td>• Portsmouth Gaseous Diffusion Plant (OH)</td>
<td></td>
</tr>
<tr>
<td>• Oak Ridge Gaseous Diffusion Plant (TN)</td>
<td></td>
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<tr>
<td>• Oak Ridge National Laboratory (TN)</td>
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<tr>
<td>• Y-12 National Security Complex (TN)</td>
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</tbody>
</table>

**What we’ve done:**

Former workers screened: 35,119

# of people screened for lung cancer: 13,875

Exams (including re-screens): 73,285

# of low-dose CT scans completed: 57,306
Worker Health Protection Program (WHPP)

For more information or to enroll:

- Call us at 1-888-241-1199
- Website: http://www.worker-health.org/
- Facebook: https://www.facebook.com/WorkerHealthProtectionProgramwhpp/
- Email: info@worker-health.org
The Building Trades National Medical Screening Program
BTMed ([www.btmed.org](http://www.btmed.org))

<table>
<thead>
<tr>
<th>Who we are</th>
<th>Key program staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Administered by CPWR – The Center for Construction Research and Training (<a href="http://www.cpwr.com">www.cpwr.com</a>)</td>
<td>• Knut Ringen, Principal Investigator</td>
</tr>
<tr>
<td>• Our partners:</td>
<td>• Trish Quinn, Program Director</td>
</tr>
<tr>
<td>• State and Local Building Trades Councils and Unions</td>
<td>• Miles Fisher, Asst. Program Director</td>
</tr>
<tr>
<td>• Duke University Medical Center</td>
<td>• Anna Chen, Director of Operations</td>
</tr>
<tr>
<td>• University of Maryland Medical Center</td>
<td>• Medical Team</td>
</tr>
<tr>
<td>• Zenith American Solutions</td>
<td>• Dr. Marianne Cloeren</td>
</tr>
<tr>
<td>• Screening clinics: Network of 225+ clinics/providers across the country.</td>
<td>• Dr. Stella Hines</td>
</tr>
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<td></td>
<td>• Dr. John Dement</td>
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<td></td>
<td>• Kim Cranford, RN</td>
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<td></td>
<td>• Janet Shorter, RN</td>
</tr>
</tbody>
</table>

BTMed has screened former workers living in all 50 states.
We serve DOE former workers who:

- Cover construction workers from 35 DOE sites
- and currently live: Anywhere
- and worked in: Construction/building trades work

What we’ve done:
Former workers screened: 25,000
Exams performed: 43,500
CT scans performed: 8,800
BTMed (www.btmed.org)

For more information or to enroll:

• Call us toll-free at 1-800-866-9663
• Visit us online at www.btmed.org
• Email btmed@btmed.org
• Visit us on Facebook www.facebook.com/btmed
National Supplemental Screening Program (NSSP)

**Who we are**

- Managed by Oak Ridge Associated Universities (ORAU)
- Our partners:
  - University of Colorado - Center for Health, Work & Environment
  - National Jewish Health
  - Comprehensive Health Services/Acuity International
  - Cority
- Screening clinics:
  - Acuity International’s nationwide network of clinics (over 2,500 in all 50 states used to date)
  - National Jewish Health in Denver, Colorado

**Key program staff**

- Dr. Jamie Stalker
  - Senior Director
  - Co-Principal Investigator
  - Physician
- Dr. Lee S. Newman
  - Co-Principal Investigator
  - Physician
- Wendy Benade
  - Program Manager
National Supplemental Screening Program (NSSP)

We serve DOE former workers in the following categories:

<table>
<thead>
<tr>
<th>Category</th>
<th>DOE Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workers from one or more of the following DOE Sites (regardless of your geographic location):</td>
<td>- Argonne National Laboratory (East)</td>
</tr>
<tr>
<td></td>
<td>- Fermi National Accelerator Laboratory</td>
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<tr>
<td></td>
<td>- Hanford</td>
</tr>
<tr>
<td></td>
<td>- Kansas City Plant</td>
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<tr>
<td></td>
<td>- Pinellas Plant</td>
</tr>
<tr>
<td></td>
<td>- Princeton Plasma Physics Lab</td>
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<tr>
<td></td>
<td>- Rocky Flats</td>
</tr>
<tr>
<td></td>
<td>- Savannah River Site</td>
</tr>
<tr>
<td>And worked in:</td>
<td>production, operations, administration, or any other non-construction role.</td>
</tr>
<tr>
<td>Workers who currently live:</td>
<td>outside of the screening area from any of the DOE sites assigned to one of the other FWP project you have heard from today</td>
</tr>
<tr>
<td>Workers who worked at:</td>
<td>a DOE facility that is not assigned a primary FWP project</td>
</tr>
</tbody>
</table>
National Supplemental Screening Program (NSSP)

What we’ve done (as of 9/30/2022)

• Participants screened: 20,076
• Exams performed: 27,486, including:
  7,410 rescreening exams completed for 5,356 participants
• We have screened former workers living in:
  All 50 states and some U.S. territories
• In addition to our 8 “primary sites,” the NSSP has screened former workers from 73 other DOE sites, including 34 “small sites” that do not have a primary FWP project assigned.
For more information or to enroll:

• Call us toll-free at 1-866-812-6703
• Visit us online at https://www.orau.org/nssp
• Email NSSP@orau.org
**DOE FWP Contact Information**

**DOE FWP website:** [https://www.energy.gov/ehss/former-worker-medical-screening-program-0](https://www.energy.gov/ehss/former-worker-medical-screening-program-0)

<table>
<thead>
<tr>
<th>FWP</th>
<th>Phone Number</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lokie Harmond, DOE FWP Manager</td>
<td>202-586-5218</td>
<td><a href="mailto:lokie.harmond@hq.doe.gov">lokie.harmond@hq.doe.gov</a></td>
</tr>
<tr>
<td>Pantex FWP</td>
<td>1-888-378-8939</td>
<td><a href="mailto:PantexFormerWorkers@uthct.edu">PantexFormerWorkers@uthct.edu</a></td>
</tr>
<tr>
<td>JHU FWP for Los Alamos and Sandia Labs</td>
<td>1-877-500-8615</td>
<td><a href="mailto:lanlfwms@jhsph.edu">lanlfwms@jhsph.edu</a></td>
</tr>
<tr>
<td>Burlington AEC Plant &amp; Ames Lab FWP</td>
<td>1-866-282-5818</td>
<td><a href="mailto:oeh-iowafwp@uiowa.edu">oeh-iowafwp@uiowa.edu</a></td>
</tr>
<tr>
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<td>1-888-241-1199</td>
<td><a href="mailto:info@worker-health.org">info@worker-health.org</a></td>
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<tr>
<td>BTMed</td>
<td>1-800-866-9663</td>
<td><a href="mailto:btmed@btmed.org">btmed@btmed.org</a></td>
</tr>
<tr>
<td>NSSP</td>
<td>1-866-812-6703</td>
<td><a href="mailto:NSSP@orau.org">NSSP@orau.org</a></td>
</tr>
<tr>
<td>EEOICPA Compensation Claim Questions</td>
<td>1-866-888-3322</td>
<td></td>
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