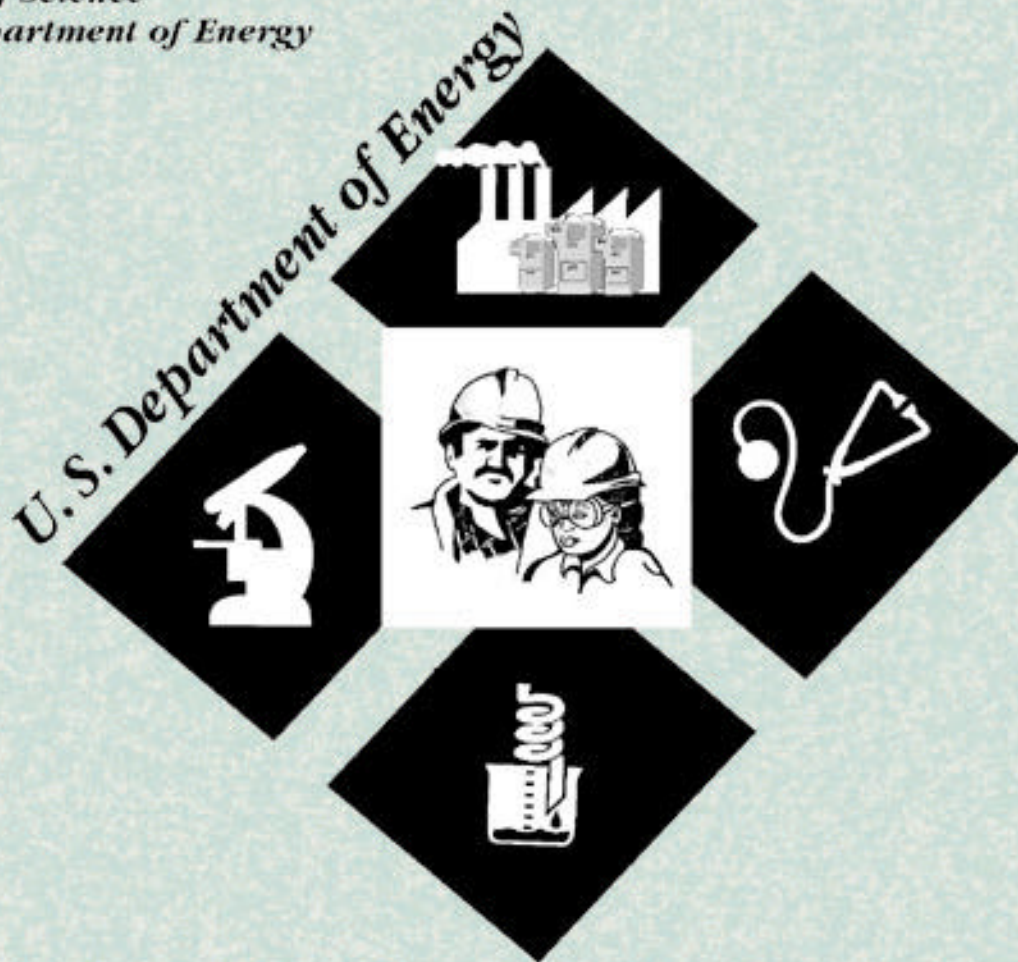




*Human Subjects Protection Program
Office of Science
U.S. Department of Energy*



Guidance for Informed Choice on Beryllium Testing

Beryllium Testing for Research and Beyond: The ABCs of the LPT

January 2007

Cases of chronic beryllium disease (CBD), a legacy of the Department of Energy's (DOE) role in weapons production, have been increasing across the DOE complex. This trend has sparked increased concern about this serious occupational illness. In a national effort to identify current and former workers who have CBD or are sensitized to beryllium and to better understand the illness, DOE has set up a number of medical surveillance and research programs for both current and former workers. The way that workers enroll in the programs and the information that they are given prior to participating in the beryllium lymphocyte proliferation testing (Be-LPT) vary depending on where and when the worker was employed in a DOE facility.

Where research is involved, the DOE Human Subjects Research Program in the Office of Science has the responsibility to ensure that the rights and welfare of human research subjects are protected. * However, the Office of Science is providing this guide to all current and former beryllium workers, whether involved in research or not, to make information about CBD and beryllium sensitization testing available so that all workers can make an informed choice about participation.

The following guide offers individuals general information about DOE's beryllium testing programs. The guide addresses:

- Informational Resources
- Eligibility and enrollment in the DOE programs
- Program contacts
- The beryllium lymphocyte proliferation test (Be-LPT)
- Risks and benefits of testing
- Privacy of test results

This guide is not intended to provide details of each DOE site program or medical benefits information.

For more information:

To find out about the DOE Human Subjects Protection Program visit: <http://www.science.doe.gov/ober/humsubj/index.html>.

To learn more about the DOE Beryllium Program see Title 10 CFR 850, *Chronic Beryllium Disease Prevention Program* rule at <http://hss.doe.gov/HealthSafety/WSHP/be/index.html>. This rule applies to DOE offices and contractors and covers medical screening for DOE federal and contractor workers.

Workers who are currently employed at a DOE site can obtain more detailed information about the beryllium by contacting the occupational medicine department at the site.

Former workers can obtain more information about the Former Worker Programs at <http://www.hss.energy.gov/healthsafety/fwsp/formerworkermed> or call one of the toll-free phone numbers listed in Appendix A

For information on the Energy Employees Occupational Illness Compensation Program Act, call 1-866-888-3322, or see <http://www.hss.energy.gov/healthsafety/fwsp/advocacy/>

Other Applicable regulations:

10 CFR 745, *Protection of Human Subjects* (Common Rule)

DOE Order and Policy 443.1, "Protection of Human Subjects"

DOE, Access Handbook, *Conducting Health Studies at Department of Energy Sites*, Appendix 2 (rev. May 2003)

* In 1998, the Secretary of Energy assigned the Office of Science responsibility "for making final decisions as to what constitutes DOE-related human subject research and how human research subject protection must be implemented. Secretary of Energy memo, "Update on Departmental Policy for the Protection of Human Subjects in Research," (January 20, 1998).

GUIDANCE FOR INFORMED CHOICE ON BERYLLIUM TESTING

January 2007

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
Who is eligible for medical screening programs for beryllium?	A current worker who regularly works with beryllium at DOE.	<p>A current worker who may have been exposed to beryllium at a DOE facility. The DOE facility can be the one where you are currently employed or one where you were employed in the past.</p> <p>Also eligible are current workers who have:</p> <ul style="list-style-type: none"> • Signs of beryllium disease, or • Been removed from beryllium work based on a medical recommendation regardless of where the exposure occurred. 	A former federal or contractor employee from any DOE site who may have been exposed to beryllium while working at a DOE facility.
How do I get started?	<p>In one of three ways:</p> <ul style="list-style-type: none"> • Your employer will identify you as a beryllium worker. • Your site occupational medical department will contact you. • Identify yourself to your site occupational medical department if you believe you are eligible for screening. 	<p>In one of three ways:</p> <ul style="list-style-type: none"> • Your employer will identify you as eligible. • Your site occupational medical department will contact you. • Identify yourself to your site occupational medical department if you believe you are eligible for screening. <p>Many DOE sites are distributing questionnaires to workers to help with this identification.</p>	<p>In one of two ways:</p> <p>You will be contacted by the local former worker project office at the DOE site where you worked.</p> <p>Identify yourself to the local former worker project office near the DOE site where you worked. (See Appendix A to this document).</p>

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
How does the medical screening program work?	<p>Participation in the program is voluntary.</p> <p>If you choose to participate, you will be asked to give your written consent to pursue screening.</p> <p>You will be asked to complete a questionnaire about your current work, your work history, and some general health related questions.</p> <p>A health professional will review the completed questionnaire with you and explain the medical screening program to you.</p>	<p>Participation in the program is voluntary.</p> <p>If you choose to participate, you will be asked to give your written consent to pursue screening.</p> <p>You will be asked to complete a questionnaire about your current work, your work history, and some general health related questions.</p> <p>A health professional will review the completed questionnaire with you and explain the medical screening program to you.</p>	<p>Participation in the program is voluntary.</p> <p>If you choose to participate, you will be asked to give your written consent to pursue screening.</p> <p>You will be asked to complete a questionnaire about your work history, and some general health related questions.</p> <p>A health professional will review the completed questionnaire with you and explain the medical screening program to you.</p>
Where do I get information on beryllium programs?	<p>Your employer will provide you with beryllium training that includes information about medical screening.</p> <p>Your supervisor and safety and health support personnel have information on this subject.</p> <p>Your site occupational medicine department has the details on the programs.</p>	<p>Your employer will provide you with beryllium training that includes information about medical screening.</p> <p>Your supervisor and safety and health support personnel have information on this subject.</p> <p>Your site occupational medicine department has the details on the programs.</p>	<p>The site occupational medicine department where you worked, or call the former worker programs at the toll-free number provided in Appendix A to this document.</p>

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
Where do I get information on beryllium programs? (continued)	<p>The following four fact sheets:</p> <ol style="list-style-type: none"> 1. Beryllium and Chronic Beryllium Disease 2. Lymphocyte Proliferation Test 3. Screening Examination for Beryllium Disease 4. Diagnostic Work-up for Chronic Beryllium Disease <p>All are available at: http://orise.orau.gov/oews/be-studies-testing.htm</p>	<p>The following four fact sheets:</p> <ol style="list-style-type: none"> 1. Beryllium and Chronic Beryllium Disease 2. Lymphocyte Proliferation Test 3. Screening Examination for Beryllium Disease 4. Diagnostic Work-up for Chronic Beryllium Disease <p>All are available at: http://orise.orau.gov/oews/be-studies-testing.htm</p>	<p>The following four fact sheets:</p> <ol style="list-style-type: none"> 1. Beryllium and Chronic Beryllium Disease 2. Lymphocyte Proliferation Test 3. Screening Examination for Beryllium Disease 4. Diagnostic Work-up for Chronic Beryllium Disease <p>All are available at: http://orise.orau.gov/oews/be-studies-testing.htm</p>
What screening test is done to detect beryllium sensitization?	<p>The test is called the beryllium-lymphocyte proliferation test (Be-LPT).</p> <p>It is a blood test to detect how certain white blood cells react to beryllium.</p>	<p>The test is called the beryllium-lymphocyte proliferation test (Be-LPT).</p> <p>It is a blood test to detect how certain white blood cells react to beryllium.</p>	<p>The test is called the beryllium-lymphocyte proliferation test (Be-LPT).</p> <p>It is a blood test to detect how certain white blood cells react to beryllium.</p>
Is testing voluntary?	<p>Yes.¹</p> <p>Your written consent is required.²</p>	<p>Yes.</p> <p>Your written consent is required.²</p>	<p>Yes.</p> <p>Your written consent is required.²</p>

¹Rule 10 CFR 850 (Effective January 7, 2000) requires that Be-LPT testing must be voluntary. However, current site practices may vary. (The deadline for compliance is January 7, 2002.)

² Before consenting to the Be-LPT, please see the statements regarding future work and risks described on pages 9 and 10.

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
What if I decline to have a Be-LPT done?	You will be offered testing again at your next regularly scheduled physical examination. If you decide you want to be tested before your next scheduled exam, you should notify the medical department and your testing will be arranged. (See footnote 1 on page 5.)	You will be offered testing again at your next regularly scheduled physical examination. If you decide you want to be tested before your next scheduled exam, you should notify the medical department and your testing will be arranged.	If you wish to be tested, you should call the appropriate toll-free number listed on page 4.
How is the Be-LPT done?	Two tablespoons of blood are taken from a vein and sent to a laboratory where the Be-LPT test is done.	Two tablespoons of blood are taken from a vein and sent to a laboratory where the Be-LPT test is done.	Two tablespoons of blood are taken from a vein and sent to a laboratory where the Be-LPT test is done.

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
How reliable is the Be-LPT test?	<p>The Be-LPT is the test used to screen for sensitization to beryllium.</p> <p>This is not a test that your doctor would routinely perform. Only a handful of laboratories in the U.S. can perform it.</p> <p>Because 1 out of 4 people who have one abnormal test do not have an abnormal result on a second test, two abnormal tests are required to indicate that a person is sensitized to beryllium. However, the Department of Labor only requires 1 abnormal test to accept workers into its lifetime medical monitoring program to check for CBD under EEOICPA (Energy Employees Occupational Illness Compensation Program Act).</p> <p>A clinical work-up is performed to determine if a worker has CBD.</p>	<p>The Be-LPT is the test used to screen for sensitization to beryllium.</p> <p>This is not a test that your doctor would routinely perform. Only a handful of laboratories in the U.S. can perform it.</p> <p>Because 1 out of 4 people who have one abnormal test do not have an abnormal result on a second test, two abnormal tests are required to indicate that a person is sensitized to beryllium. However, the Department of Labor only requires 1 abnormal test to accept workers into its lifetime medical monitoring program to check for CBD under EEOICPA.</p> <p>A clinical work-up is performed to determine if a worker has CBD.</p>	<p>The Be-LPT is the test used to screen for sensitization to beryllium.</p> <p>This is not a test that your doctor would routinely perform. Only a handful of laboratories in the U.S. can perform it.</p> <p>Because 1 out of 4 people who have one abnormal test do not have an abnormal result on a second test, two abnormal tests are required to indicate that a person is sensitized to beryllium. However, the Department of Labor only requires 1 abnormal test to accept workers into its lifetime medical monitoring program to check for CBD under EEOICPA.</p> <p>A clinical work-up is performed to determine if a worker has CBD.</p>

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
Do I only need to be tested once?	<p>No, because it can take many years for beryllium sensitization to appear after a worker has been exposed to beryllium.</p> <p>If the first Be-LPT is negative you will be offered a test every year as part of routine monitoring.</p> <p>If the first test is abnormal, you will be offered another Be-LPT test to confirm the results of the first test.</p> <p>If the second test does not confirm the first test's results, a third test may be offered.</p>	<p>No, because it can take many years for beryllium sensitization to appear after a worker has been exposed to beryllium.</p> <p>If the first Be-LPT is negative you will be offered a test every three years as part of routine monitoring.</p> <p>If the first test is abnormal, you will be offered another Be-LPT test to confirm the results of the first test.</p> <p>If the second test does not confirm the first test's results, a third test may be offered.</p>	<p>No, because it can take many years for beryllium sensitization to appear after a worker has been exposed to beryllium.</p> <p>If the first Be-LPT is negative you may schedule a test up to every 3 years by contacting the former worker program for your site.</p> <p>If the first test is abnormal, you will be provided information about how to apply to DOL's lifetime medical monitoring program to check for CBD under EEOICPA. You will also offered another Be-LPT test to confirm the results of the first test.</p>

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
What happens if the Be-LPT tests indicate that I may be sensitized?	<p>Your site occupational medicine department will meet with you and discuss the options you have for follow-up, including:</p> <ul style="list-style-type: none"> • Accepting a referral to specialists for further examination and testing. • Requesting a review of the screening results by another physician of your choice. • Also see page 10 for additional Information. <p>Note: DOE uses the term “sensitized” to mean that the individual has had abnormal results on at least two Be-LPTs confirming exposure and an immune system response to beryllium. Only one abnormal Be-LPT is required for Energy Employees Occupational Illness Compensation Program coverage of follow-up medical costs.</p>	<p>Your site occupational medicine department will meet with you and discuss the options you have for follow-up, including:</p> <ul style="list-style-type: none"> • Accepting a referral to specialists for further examination and testing. • Requesting a review of the screening results by another physician of your choice. • Also see page 10 for additional Information. <p>Note: DOE uses the term “sensitized” to mean that the individual has had abnormal results on at least two Be-LPTs confirming exposure and an immune system response to beryllium. Only one abnormal Be-LPT is required for Energy Employees Occupational Illness Compensation Program coverage of follow-up medical costs.</p>	<p>The physician who conducted the test will refer you for further examination and testing.</p> <p>Note: DOE uses the term “sensitized” to mean that the individual has had abnormal results on at least two Be-LPTs confirming exposure and an immune system response to beryllium. Only one abnormal Be-LPT is required for Energy Employees Occupational Illness Compensation Program coverage of follow-up medical costs.</p>

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
What further tests may be recommended?	<p>At the same time as a sample of your blood is taken for the Be-LPT test, additional tests will be offered including:</p> <ul style="list-style-type: none"> • Chest x-rays. • Breathing tests called pulmonary function studies. • Physical examination. <p>If the Be-LPT is abnormal, additional tests may include:</p> <ul style="list-style-type: none"> • Internal lung tests called bronchoalveolar lavage. • Lung biopsy. • CAT Scan. 	<p>At the same time as a sample of your blood is taken for the Be-LPT test, additional tests will be offered including:</p> <ul style="list-style-type: none"> • Chest x-rays. • Breathing tests called pulmonary function studies. • Physical examination. <p>If the Be-LPT is abnormal, additional tests may include:</p> <ul style="list-style-type: none"> • Internal lung tests called bronchoalveolar lavage. • Lung biopsy. • CAT Scan. 	<p>If the Be-LPT is abnormal, additional tests may include:</p> <ul style="list-style-type: none"> • Chest x-rays. • Breathing tests called pulmonary function studies. • Internal lung tests called bronchoalveolar lavage. • Lung biopsy. • CAT Scan. <p>These additional tests would not be provided under the DOE-funded Former Worker Medical Surveillance Program (FWP) but rather as follow-up testing through the Department of Labor medical monitoring program to check for Chronic Beryllium Disease (CBD) under the Energy Employees Occupational Illness Compensation Program (EEOICP). If you have an abnormal BeLPT, the FWP will provide you with information on how to apply to the EEOICP medical monitoring program.</p>
Is there a cost to me for the medical screening?	No	No	No
Where do I have my blood drawn for the Be-LPT?	At a site arranged by your site occupational medicine department.	At a site arranged by your site occupational medicine department.	At a local occupational health clinic near your residence.
Could the results of screening or follow-up tests affect my future work?	Yes. If your tests are abnormal, the physician will probably recommend your removal from all work with beryllium or in beryllium-contaminated areas.	If your tests are abnormal, the physician will probably recommend that you never again work with beryllium or in a beryllium-contaminated area.	If your tests are abnormal, the physician will probably recommend that you never again work with beryllium or in a beryllium-contaminated area.

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
What happens if the doctor recommends I no longer work with beryllium?	<p>The site occupational medicine department and/or your employer will notify you in writing that the physician has recommended you be temporarily or permanently removed from beryllium related work.</p> <p>You will be provided information and counseling regarding your employment options.</p>	<p>This would have no effect on your current work if you no longer work with or around beryllium or in a beryllium-contaminated facility. It could affect your ability to work with or around beryllium or in a beryllium-contaminated facility in the future.</p>	<p>This would have no effect on your current work if you no longer work with or around beryllium or in a beryllium-contaminated facility. It could affect your ability to work with or around beryllium or in a beryllium contaminated facility in the future.</p>
Are there any physical risks to me if I choose to participate?	<p>Because, in addition to the blood Be-LPT, the clinical work-up may include invasive medical procedures, there is some risk. This will be fully explained to you before you give consent to any medical test.</p>	<p>Because, in addition to the blood Be-LPT, the clinical work-up may include invasive medical procedures, there is some risk. This will be fully explained to you before you give consent to any medical test.</p>	<p>Because, in addition to the blood Be-LPT, the clinical work-up may include invasive medical procedures, there is some risk. This will be fully explained to you before you give consent to any medical test.</p>
Are there any other risks to me if I choose to participate?	<p>There is minimal risk because the only testing that would be provided at this point would be a blood test to check for beryllium sensitization. If you have an abnormal BeLPT, you will be referred to the DOL-run EEOICP (see above), which covers the cost of further testing to check for CBD. You will be provided with detailed information on the tests and potential risks prior to giving consent to participate.</p>	<p>There is minimal risk because the only testing that would be provided at this point would be a blood test to check for beryllium sensitization. If you have an abnormal BeLPT, you will be referred to the DOL-run EEOICP (see above), which covers the cost of further testing to check for CBD. You will be provided with detailed information on the tests and potential risks prior to giving consent to participate.</p>	<p>There is minimal risk because the only testing that would be provided at this point would be a blood test to check for beryllium sensitization. If you have an abnormal BeLPT, you will be referred to the DOL-run EEOICP (see above), which covers the cost of further testing to check for CBD. You will be provided with detailed information on the tests and potential risks prior to giving consent to participate.</p>

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
Where are my test results kept?	The occupational medicine department maintains your screening results as they do your medical records.	The occupational medicine department maintains your screening results as they do your medical records.	The former worker project maintains your test results.
Who can have access to records of my medical screening results?	<p>They are DOE-owned³ confidential medical records.</p> <p>Your records may only be released with your permission, or as allowed by:</p> <ul style="list-style-type: none"> • The Privacy Act of 1974. • The Americans with Disabilities Act. • A court order, or other such laws. <p>Your records may be released for necessary official purposes of DOE, National Institute of Occupational Safety and Health, Occupational Safety and Health Administration, state health departments, or Congress.</p>	<p>They are DOE-owned³ confidential medical records.</p> <p>Your records may only be released with your permission, or as allowed by:</p> <ul style="list-style-type: none"> • The Privacy Act of 1974. • The Americans with Disabilities Act. • A court order, or other such laws. <p>Your records may be released for necessary official purposes of DOE, National Institute of Occupational Safety and Health, Occupational Safety and Health Administration, state health departments, or Congress.</p>	<p>They are confidential medical records and may only be released with your permission. If your tests are conducted through ORISE, the records are DOE-owned.</p> <p>Your records may only be released with your permission, or as allowed by:</p> <ul style="list-style-type: none"> • The Privacy Act of 1974. • The Americans with Disabilities Act. • A court order, or other such laws. <p>Your records may be released for official purposes of the National Institute of Occupational Safety and Health, state health departments, or Congress.</p>

³ The beryllium rule requires that these records are DOE-owned (10 CFR 850.39(B)(1) and confidential (10 CFR 850.39(e)).

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
Who else can have access to my medical information related to beryllium?	<p>No one unless your identity is removed.</p> <p>There are other individuals who may use “de-identified” medical information (without personal identifiers). These may include:</p> <ul style="list-style-type: none"> • Certain DOE officials responsible for The Chronic Beryllium Disease Prevention Program. • Scientists and researchers working under DOE agreements. • The Oak Ridge Institute for Science and Education (ORISE). <p>No report or published health study will contain personal identifiers.</p>	<p>No one unless your identity is removed.</p> <p>There are other individuals who may use “de-identified” medical information (without personal identifiers). These may include:</p> <ul style="list-style-type: none"> • Certain DOE officials responsible for The Chronic Beryllium Disease Prevention Program. • Scientists and researchers working under DOE agreements. • The Oak Ridge Institute for Science and Education (ORISE). <p>No report or published health study will contain personal identifiers.</p>	<p>Other groups who may require access to records that identify you by name are:</p> <ul style="list-style-type: none"> • DOE officials involved in the former worker program (if you authorize DOE to see them). • Medical specialists who provide for additional medical treatment or tests. • Scientists and researchers working under DOE agreements. <p>No report or published health study will contain personal identifiers.</p>

	Current worker who currently works with beryllium	Current worker who previously worked with or may have been exposed to beryllium	Former worker
What is the Beryllium Registry?	<p>The registry was established by regulation to monitor the effectiveness of DOE's Chronic Beryllium Disease Prevention Program in preventing chronic beryllium disease.</p> <p>The registry will also be used to conduct health studies to help us better understand CBD and those at risk of developing the disease.</p> <p>Registry data includes:</p> <ul style="list-style-type: none"> • Birth year and gender. • Work history. • Beryllium exposure. • Medical evaluations. <p>The data in the registry does not include personal identifiers such as name, Social Security number, address, or phone number.</p>	<p>The registry was established by regulation to monitor the effectiveness of DOE's Chronic Beryllium Disease Prevention Program in preventing chronic beryllium disease.</p> <p>The registry will also be used to conduct health studies to help us better understand CBD and those at risk of developing the disease.</p> <p>Registry data includes:</p> <ul style="list-style-type: none"> • Birth year and gender. • Work history. • Beryllium exposure. • Medical evaluations. <p>The data in the registry does not include personal identifiers such as name, Social Security number, address, or phone number.</p>	Not Applicable

Glossary

Beryllium Sensitization - Sensitization occurs when the body's immune system reacts to beryllium as a threat to the body. The body will respond to the presence of beryllium by producing white blood cells called lymphocytes. It is similar to an allergic reaction.

Chronic Beryllium Disease - If someone is has a sensitization to beryllium the body may begin to form scar tissue around the beryllium in the lungs. This scar tissue reduces the effectiveness and capacity of the lungs.

Bronchoalveolar Lavage - This is a medical procedure that washes out cells from the lung to determine the presence of lymphocytes that are sensitized to beryllium. Small samples of lung tissue - a lung biopsy - may also be collected during this process to aid in diagnosis of CBD.

Beryllium Lymphocyte Proliferation Test (Be-LPT) - A laboratory test that can be done on a sample of blood or a specimen taken during a bronchoalveolar lavage used to determine the response of white blood cells to the presence of Be. It is used as a screening test for beryllium sensitization.

Former Worker Programs (FWPs) - The goal of these programs, established in 1993, is to evaluate the health conditions of former employees that may be at risk for health problems related to their employment at a DOE site.

**Appendix A - Former Worker Medical Surveillance Program
Summary of Services Available to Former Workers**

(Sites listed below are primary sites served but multiple small sites are also served by CPWR for construction workers and by the NSSP for production workers)

State	DOE Site	Worker Population/Medical Screening Program Provider	Date Screening Initiated Through FWP	Local Office Location and Phone/E-mail
Alaska	Amchitka Island	All workers, primarily construction Center to Protect Workers Rights (CPWR)	2000	701 W. 41 st Ave. Anchorage, AK 99501 Don Weber 907-258-6771 or 1-800-866-9663
California	Lawrence Livermore National Laboratory (LLNL) ¹	All workers Boston University (BU) and University of California at San Francisco (UCSF)	New	Jackie Downing Heritage Park Ofc. Ctr. 11875 Dublin Blvd. Suite D262 Dublin, CA 94568 1-866-460-0628
	Lawrence Berkeley Laboratory ¹	All workers BU and UCSF	New	Jackie Downing Heritage Park Ofc. Ctr. 11875 Dublin Blvd. Suite D262 Dublin, CA 94568 1-866-460-0628
	Sandia National Laboratory (Livermore, CA) ¹	All workers BU and UCSF	New	Jackie Downing Heritage Park Ofc. Ctr. 11875 Dublin Blvd. Suite D262 Dublin, CA 94568 1-866-460-0628
Colorado	Rocky Flats	Some workers (does not include beryllium or radiation workers) U. of CO and National Jewish Medical Center	1999	Denver 303-315-5627 or 1-877-895-4984
		Other production workers (beryllium and radiation) ORAU - National Supplemental Screening Program (NSSP)	Covered since early 1990's through ORISE-run programs	Denver 1-866-812-6703
		Construction workers CPWR	2006	Labor's Community Agency, AFL-CIO 7510 W. Mississippi Ave. Ste. 230 Lakewood, CO 80226 Dwayne Adkins 303-744-6169, x 11 1-800-866-9663

State	DOE Site	Worker Population/Medical Screening Program Provider	Date Screening Initiated Through FWP	Local Office Location and Phone Number
Florida	Pinellas	Production workers NSSP	2005	Largo area 1-866-812-6703
		Construction workers CPWR	2006	10201 Highway 92 East Tampa, FL 33610 Ed Dees 813-623-1515 or 1-800-866-9663
Idaho	Idaho National Laboratory ²	Production workers United Steel Workers/Queens College	2000	1855 W 17 th St. Idaho Falls, ID 83404 David Fry 208-522-4748 or 1-888-241-1199
	Idaho National Laboratory	Construction workers CPWR	2005	456 N. Arthur Ave. Pocatello, ID 83204 Dan Obrey 208-241-7398 or 1-800-866-9663
Illinois	Fermi National Accelerator Laboratory ¹	All workers NSSP	New	TBD 1-866-812-6703
	Argonne National Laboratory ¹	All workers NSSP	New	TBD 1-866-812-6703
Iowa	Iowa Army Ammunition Plant (IAAP)	All workers University of Iowa (U. of IA)	2002	Middletown and Iowa City, IA 1-866-282-5818
	Ames Laboratory ¹	All workers U. of IA	2006	Iowa City, IA 1-866-282-5818

State	DOE Site	Worker Population/Medical Screening Program Provider	Date Screening Initiated Through FWP	Local Office Location and Phone Number
Kentucky	Paducah Gaseous Diffusion Plant ²	Production workers United Steel Workers/Queens College	1999	2525 Cairo Road Paducah, KY 42001 James Harbison 270-442-3668 or 1-888-241-1199
		Construction workers U. of Cincinnati	2004	1930 North 13 th Street Paducah, KY 42001 Joe Hudson 270-443-2850 or 1-800-866-9663
Missouri	Kansas City Plant ¹	Production workers NSSP	2005	TBD 1-866-812-6703
		Construction workers CPWR	2005	9404 Grandview Road Kansas City, MO 64132 JJ Jones 816-651-6637 or 1-800-866-9663
Nevada	Nevada Test Site and Other DOE Locations in Las Vegas	All workers BU and UCSF	1998	2315 N. Decatur Blvd., Ste. B Las Vegas, NV 89195 Sandie Medina 1-888-636-8161
New Jersey	Princeton Plasma Physics Laboratory ¹	All workers NSSP	New	TBD 1-866-812-6703
New Mexico	Los Alamos National Laboratory (LANL)	All workers Johns Hopkins University	2000	Espanola Medical Arts Building 1010 Spruce Street, Suite B Espanola, NM 87532 1-877-500-8615

State	DOE Site	Worker Population/Medical Screening Program Provider	Date Screening Initiated Through FWP	Local Office Location and Phone Number
New Mexico (cont.)	Sandia National Laboratory ¹	All workers JHU	2006	Will use Espanola office as main office but also possibly have a local office at Sandia 1-877-500-8615
New York	Brookhaven National Laboratory ¹²	Production workers Queens College	New	Upton, NY 1-888-241-1199
	Brookhaven National Laboratory ¹	Construction workers CPWR	2006	150 Motor Parkway Lower Level 1, Ste. 10 Hauppauge, NY 11788 Angela DeVito 631-813-2725 1-800-866-9663
Ohio	Mound ¹²	Production workers United Steel Workers and Queens College	2006	Eric Parker, Paige Gibson, & Mike Ball 113 East Central Ave. W. Carrollton, OH 45449 1-888-241-1199
		Construction workers CPWR	2005	1200 East 2 nd St. Dayton, OH 45403 Bud Lipinski 937-750-2702 or 1-800-866-9663
	Fernald ¹	Construction workers CPWR	2005	1550 Chase Ave. Cincinnati, OH 45223 Lou Doll 513-574-7748 or 1-800-866-9663

State	DOE Site	Worker Population/Medical Screening Program Provider	Date Screening Initiated Through FWP	Local Office Location and Phone Number
Ohio (cont.)	Fernald ¹²	Production workers Fernald Settlement Fund and Queens College	2006 DOE to offer services to supplement the Fernald Settlement Fund	Ray Beatty & Mooch Callaway 1150 Harrison Ave. Suite 106 Harrison, OH 45030 1-888-241-1199
	Portsmouth Gaseous Diffusion Plant ²	Production workers United Steel Workers and Queens College	1999	2288 Wakefield Mound Rd. Piketon, Ohio 45661 740-289-3091 (Sam Ray) or 1-888-241-1199
		Construction workers U. of Cincinnati	2004	1236 Gallia Street Portsmouth, OH 45662 Ron Bush, 740-353-8808 or 1-800-866-9663
South Carolina	Savannah River Site	Construction workers CPWR	1999	1250 A Reynolds Street Augusta, GA 30901 Charles Jernigan, 706-722-7272 or 1-800-866-9663
		Production workers MUSC and USC	1999	171 Ashley Avenue Charleston, SC 29425 Peggy Boehrig 843-876-1152 or 1-866-300-9335
Tennessee	Oak Ridge (K-25) ²	Production workers United Steel Workers/Queens College	1999	133 Raleigh Road Oak Ridge, TN 37830 Bruce Lawson & Tom Moser 865-481-3394 or 3395 1-888-241-1199

State	DOE Site	Worker Population/Medical Screening Program Provider	Date Screening Initiated Through FWP	Local Office Location and Phone Number
Tennessee (cont.)	Oak Ridge (K-25)	Construction workers CPWR (Screening originally conducted by U. of Cinn.; transitioned to CPWR in 2005.)	1999	708 South Illinois Avenue, Suite E101 Oak Ridge, TN 37830 Kim Cranford, 865-481-0009 or 1-800-866-9663
	Oak Ridge (Oak Ridge National Laboratory/Y-12) ¹²	Production workers Queens College	2005	109 Viking Road Oak Ridge, TN 37830 Linda Parker 865-483-8471 or 8437 or 1-800-906-2019
		Construction workers CPWR (Screening originally conducted by U. of Cinn.; transitioned to CPWR in 2005.)	1999	708 South Illinois Avenue, Suite E101 Oak Ridge, TN 37830 Kim Cranford, 865-481-0009 or 1-800-866-9663
Texas	Pantex ¹	All workers U. of T. & Drexel U.	2005	Sarah D. Ray The Amarillo Health Consortium P.O. Box 50536 (702 Madison Street) Amarillo, TX 79159 1-888-378-8939
Washington	Hanford	Production workers University of Washington	1998	1201 Jadwin Avenue Suite 101 Richland, WA 99352 Kathy Koons or Stacy Ogden 1-800-419-9691
		Construction workers CPWR	1998	824 West Lewis St Suite 102 Pasco, WA 99301 Elaine Monlux 509-521-2541 or 1-800-866-9663

¹ Beryllium sensitization screening already offered to former workers through Oak Ridge Institute for Science and Education.

² Former workers from these sites but who do not reside in close proximity to the regional screening clinics should contact the NSSP directly.