

The logo for HPMC Occupational Medical Services. The letters 'HPMC' are in a large, dark blue serif font. To the right, the words 'OCCUPATIONAL' and 'MEDICAL SERVICES' are stacked in a smaller, light grey sans-serif font.

HPMC OCCUPATIONAL  
MEDICAL SERVICES

Beryllium Health & Safety Committee  
Fall Conference  
November 2-4, 2015  
Forrestal Building, WA DC

## Agenda/Outline

- ◆ Briefing on the current status of the HPMC OMS Beryllium Program
  - ◆ Review each of the 14 medical Beryllium Corrective Action Plan products
  - ◆ Noteworthy items
  - ◆ Key points to remember
  - ◆ Questions
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### 1.7.3.2 Medical Evaluations

- ◆ Medical Evaluations is the most complex of the medical products and includes the following:
  - Four algorithms
    - Beryllium Lymphocyte Proliferation Test (BeLPT) Algorithm for Voluntary Program
    - BeLPT Algorithm for Beryllium Worker
    - Beryllium Exam Testing Results Received
    - Simplified BeLPT for HAMMER training courses
  
  - Beryllium Information Booklet
  - Options for Medical Review
  - Beryllium Program Overview
  - Chronic Beryllium Disease Prevention Program (CBDPP) Informed Consent Form

### 1.7.8 Medical Clearance & Restriction Language

- ◆ This product includes the following:
  - Medical Exam Report and Opinion Letter
  - Beryllium Record of Visit (ROV) Clearance Notification Verification
  - Brochure/contact information “Questions & Answers about your Record of Visit”
  - Medical Clearance Information Checklist
  - Beryllium Examination Results Letter
  
- ◆ Product includes a formal internal assessment - HPMC OMS-QA-13-003

### 1.7.7 Summary of Voluntary Surveillance Program

- ◆ This product includes a detailed description of the voluntary medical surveillance program including the criteria that would trigger more frequent and/or more detailed medical surveillance.
  - ❖ Current Program Details
    - Program Overview
    - Participation/Enrollment
    - Worker Confidentiality
    - Types of Surveillance
    - Referral Criteria
  - ❖ Outreach Initiatives
    - Enrollment Data
    - Communication Tools (e.g. posters, tri-fold)
- ◆ Brochure/contact information Beryllium Voluntary Program
- ◆ Letter about a worker's removal from the Beryllium Current Worker Program and options for remaining in the Voluntary Program.

### 1.7.2 Beryllium Registry

10 CFR 850.39(h) requires data be submitted to the Beryllium-Associated Worker Registry (BAWR) at Oak Ridge Institute for Science and Education (ORISE) semi-annually. HPMC OMS has been identified as the Beryllium Registry Data Coordinator for the Hanford Site. Personal breathing zone monitoring data is collected from contractors, is matched with patient medical data, and the de-identified encrypted data is submitted to ORISE.

- The team generated a Root Cause Analysis for data errors through which the SOMC and contractors were found to be in compliance with 10 CFR 850.39 and the CBDPP.
- Updated OMC-CS-133C Beryllium Associated Worker Registry Procedure
- In an effort to improve the quality of the Beryllium Program across the complex, HPMC OMS sent a letter to the BAWR noting inconsistencies between the criteria for sensitization of the BAWR and other DOE medical facilities that determine beryllium sensitization.
- Webinar and training of stakeholders by ORISE personnel on Registry
- Continued training by Registry Coordinator to contractor POC

## 1.7.3.2 Medical Referrals

- ◆ This product included extensive outreach efforts to collect information from other medical facilities and to create the HPMC OMS referral criteria.
  - The outreach efforts resulted in benchmarking analysis
  - Summary of the findings for the referral criteria

### 1.11.1.6 OMP Outreach

- ◆ Beryllium Outreach Plan is designed to codify and facilitate the implementation of improved communication from the Site Occupational Medical Contractor (SOMC) to its stakeholders, affected workers, and the regional medical community. This product includes the following:
  - Providing correct and current information to beryllium affected workers
  - Improving communications and interactions with stakeholders to educate and provide information about the status of the current program
  - Implement outreach tactics/initiatives to increase participation in the Voluntary Program
  - Involving the Risk Communicator to address beryllium-related questions and concerns from workers
  - Sponsoring and conducting informational meetings
  - Involving external beryllium subject matter expert(s) to assist with issues
  - Developing methods to reach out to and communicate with the local medical community
  - Rigorous Outreach Schedule that accomplished the above goals

### 1.7.4 Beryllium Work History

- ◆ This product team created a Hanford-specific series of questionnaires to track a worker's history in an effort to gather and analyze data and identify locations where employees may have been and could be at risk with the goal of preventing further exposures. This product includes the following:
  - Initial Beryllium Questionnaire
  - Update Beryllium Questionnaire
  - Affected Worker Questionnaire

HPMC has also created a Work History Pamphlet to further explain the process and to encourage voluntary participation. The intent is to attach it to a DOE Hanford Sitewide email to help promote implementation.

### 1.5.11 OMP Counseling

- ◆ When workers are diagnosed with Beryllium Sensitization or Chronic Beryllium Disease, they are provided counseling within 10 working days (not to exceed 14 calendar days) after receiving notification from the Site Occupational Medical Director (SOMD). The product includes the following:
  - Beryllium Affected Worker's Counseling Checklist
  - Updated policies
    - ❖ OMC-ADM-025B Beryllium-Affected Employees Counseling, Medical Removal Benefits and Off-Site Medical Costs
    - ❖ OMC-ADM-065B Counseling for HPMC OMS Beryllium-Affected Worker Policy

### 1.7.5 OMP Staffing

- ◆ This product includes six job descriptions for HPMC OMS staff to adequately support the Hanford Site CBDPP. These permanent positions must be maintained. The product includes all six job descriptions along with training plans to ensure staff is properly trained to serve Hanford workers.
  - Beryllium Physician
  - Beryllium Physician Assistant
  - Beryllium Case Manager
  - Industrial Hygienist
  - Beryllium Coordinator
  - Beryllium Assistant

# 14 Medical Beryllium Products

## 1.5.12.3 Beryllium Process Flow Chart

The screenshot shows a web browser window displaying the HPMC Occupational Health Services website. The URL is <http://www.hanford.gov/health/page.cfm/beryllium>. The page features a navigation menu with categories like 'About HPMC OHS', 'Occupational Health Services', 'Training & Events', 'Health Education & Wellness', 'Newsletter & Updates', and 'Forms & Guides'. The main content area is titled 'Occupational Health Services' and includes a sidebar with various service links. The central text describes the Beryllium Medical Surveillance Program, its purpose, and contact information. A green 'LEARN MORE' button is positioned above a 3D periodic table element card for Beryllium (Be), showing its atomic number (4) and symbol. To the right, a 'Related Links' section lists several downloadable documents and resources.

**Beryllium**

HPMC Occupational Medical Services (OMS) is responsible for administering the Beryllium Medical Surveillance Program at Hanford in accordance with 10 CFR 850. This program is designed to provide professional services in support of Hanford workers. HPMC OMS is committed to the health and preventive care education of Hanford workers. On this page you will find the Beryllium Information Booklet that has been designed to provide you with the information required to make an informed decision regarding testing.

If you would like to participate in or would like more information about the HPMC OMS Beryllium Medical Surveillance Program, please email [OMC\\_Beryllium@rl.gov](mailto:OMC_Beryllium@rl.gov) or call the Beryllium Case Manager at (509) 376-6000.

**LEARN MORE** Beryllium Information Booklet

**Related Links:**

- [Beryllium FAQs](#)
- [Beryllium Information Booklet \(pdf\)](#)
- [Beryllium FAQs](#)
- [Beryllium Voluntary Program Brochure \(pdf\)](#)
- [Beryllium Health Advocates](#)
- [Split-Sample DELPT and Separations \(pdf\)](#)
- [Chronic Beryllium Disease Prevention Program \(CBOPP\)](#)
- [10 CFR 850 Final Beryllium Rule \(pdf\)](#)
- [Beryllium at Hanford Website](#)
- [Beryllium Health and Safety](#)
- [Beryllium Hazard Brochure \(pdf\)](#)
- [Beryllium Voluntary Program Printable Poster \(pdf\)](#)

### 1.7.1 Communication of Workplace Monitoring

- ◆ The product includes a process to manage beryllium exposure monitoring reports, how beryllium data is captured, the process for assessing and reviewing exposure monitoring data, and how the report will be filed in the worker's medical record.
  - ◆ It includes our Certified Industrial Hygienist's desk instruction - Managing Exposure Notification Reports RV1\_2-20-2015.
  - ◆ A new Occupational Medical Service view in the Site Wide Industrial Hygiene Database allows our medical providers to view exposure data to better serve our patients.
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### 1.5.12.1 Responsible Employer Tracking System

- ◆ The product includes a process to track affected workers to ensure counseling occurs in accordance with 10 CFR 850 and CBDPP requirements. The process should include communication between the OMP, the prime contractor, and the subcontractor if applicable.
  - ◆ The product team has identified the pieces of objective evidence needed including the contractors' desk instructions and the HAMMER training elements.
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### 1.10.2.1 Revise the Be Medical Support Plan Language

- ◆ HPMC OMS has completed a comprehensive revision of the Beryllium Medical Support Plan (BeMSP). It has been reviewed by DOE product – 1.10.2.2 External Assessment of the BeMSP. The updated BeMSP Rev. 12A includes the following:
  - Consistency with newly developed BeCAP products
  - Addresses any inconsistencies in the MSP
  - Clarify when revisions need to be reviewed and approved by DOE and communicated to CBDPP
  - Annual self-assessment plan to ensure the MSP stays current and that the HPMC OMS documents are consistent with the BeMSP.

### 1.7.6 Use of Assessment and Characterization Data

- ◆ On January 26, 2015, the Product Team reached consensus that there is no value in continuing the development of this product.
  - ◆ There were no Findings or Opportunities for Improvement associated with this product.
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### Noteworthy Items

- ◆ Total number of people currently enrolled
    - Beryllium Voluntary Program – 812
    - Beryllium Worker Program – 2,359
  - ◆ Total number of beryllium sensitized workers – 158 to date, 66 currently active
  - ◆ Total number of workers with Chronic Beryllium Disease – 37 to date, 15 currently active
  - ◆ Daily status report for Beryllium Worker Conflicts between Work Restrictions and Active Clearances
  - ◆ HPMC OMS-QIS-15-001 Data Integrity Assessment for Beryllium Affected Workers – ensures are enrolled in the correct program
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## Key Points to Remember

- ◆ Our entire medical staff and specifically our beryllium team has worked diligently to develop a best-in-class program to protect workers in the field and to provide quality health care to all beryllium workers.
  - ◆ Other federal agencies can also benefit from shared data.
  - ◆ We are eager to share the details of our work, and confident the program can be used to help others grow and improve.
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Thank you 😊

Any  
Questions?

