



Department of Energy  
Office of Science  
Washington, DC 20585

MEMORANDUM TO KAREN L. BOARDMAN  
CHAIRPERSON  
FEDERAL TECHNICAL CAPABILITY PANEL

FROM: JOSEPH A. MCBREARTY *Joe MCBrearty* 10/28/14  
DEPUTY DIRECTOR FOR FIELD OPERATIONS

SUBJECT: Annual Workforce Analysis and Staffing Plan Report for Calendar  
Year 2014

In response to your memo dated September 23, 2014, enclosed is the Office of Science (SC) Headquarters Workforce Analysis and Staffing Plan Report for Calendar Year 2014. The subject report was prepared in accordance with your guidance and represents the necessary resources required to provide oversight of Building 325 at Pacific Northwest National Laboratory, the only defense nuclear facility overseen by SC-Headquarters.

If you have any questions, please contact me, or you may contact Carol Sohn at [carol.sohn@pnso.science.doe.gov](mailto:carol.sohn@pnso.science.doe.gov) or (509) 375-2320.

Enclosure

cc w/encl:

C. L. Sohn, SC-3

D. Chaney, NA-SH-2



# Annual Workforce Analysis and Staffing Plan Report (as of 12/31/14)

**Reporting Office: Office of Science – Headquarters, SC-3**

## SECTION ONE: SITE MISSION(S), OUTLOOK, AND CHARACTERISTICS

The Office of Science manages fundamental research programs in basic energy sciences, biological and environmental sciences, and computational science. In addition, the Office of Science is the Federal Government's largest single funder of materials and chemical sciences, and it supports unique and vital parts of U.S. research in climate change, geophysics, genomics, life sciences, and science education. The Office of Science Headquarters oversees one operating defense Hazard Category 2 nuclear facility and approximately 15 non-defense Hazard Category 1-3 nuclear facilities (some downgrades are continuing).

Recently completed changes include the reduction of the nuclear footprint at one SC site resulting in downgrading of several Hazard Category 2 and 3 non-defense nuclear facilities to radiological. Efforts will continue at this site.

### Site Characteristics

**Number and Hazard Category (HC) (per DOE Standard 1027) of DEFENSE NUCLEAR Facilities:**

HC1 \_\_\_\_\_ HC2 1 HC3 \_\_\_\_\_ Less than HC3 \_\_\_\_\_

**Number of Documented Safety Analyses:** 1

**Total Number of Safety Systems credited in Documented Safety Analyses:** 4

**Number of High or Moderate Hazard NON-NUCLEAR Facilities:** Not applicable

**Number of Low Hazard NON-NUCLEAR Facilities:** Not applicable

**Number of Site Contractor FTEs (by Program Office):** Primary role is oversight of the Site Office

**Number of Federal Office FTEs (by Program Office):** 3

Sites accountable to multiple Headquarters Program Offices list FTEs by each Office, e.g. Total 22 FTEs (EM - 20, NE - 2).

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| <b>SECTION TWO: TECHNICAL STAFFING</b> |
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| <b>Technical Staffing Summary Table (see Notes below)</b> |
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| Technical Capability                              | For All Facilities <sup>1</sup>    |                                     | Comments |
|---|------------------------------------|-------------------------------------|----------|
|   | Number of FTEs Needed <sup>1</sup> | Number of FTEs Onboard <sup>1</sup> |          |
| Senior Technical Safety Managers                  | 3                                  | 3                                   |          |
| Safety System Oversight Personnel                 |                                    |                                     |          |
| Facility Representatives                          |                                    |                                     |          |
| Other Technical Capabilities:                     |                                    |                                     |          |
| Aviation Safety Manager                           |                                    |                                     |          |
| Aviation Safety Officer                           |                                    |                                     |          |
| Chemical Processing                               |                                    |                                     |          |
| Civil/Structural Engineering                      |                                    |                                     |          |
| Confinement Ventilation and Process Gas Treatment |                                    |                                     |          |
| Construction Management                           |                                    |                                     |          |
| Criticality Safety                                |                                    |                                     |          |
| Deactivation & Decommissioning                    |                                    |                                     |          |
| Electrical Systems                                |                                    |                                     |          |
| Emergency Management                              |                                    |                                     |          |
| Environmental Compliance                          |                                    |                                     |          |
| Environmental Restoration                         |                                    |                                     |          |
| Facility Maintenance Mgt.                         |                                    |                                     |          |
| Fire Protection Engineering                       |                                    |                                     |          |
| Industrial Hygiene                                |                                    |                                     |          |
| Instrumentation & Control                         |                                    |                                     |          |
| Mechanical Systems                                |                                    |                                     |          |
| NNSA Packaging Cert. Engineer                     |                                    |                                     |          |
| Nuclear Explosive                                 |                                    |                                     |          |
| Nuclear Safety Specialist                         |                                    |                                     |          |
| Occupational Safety                               |                                    |                                     |          |
| Quality Assurance                                 |                                    |                                     |          |
| Radiation Protection                              |                                    |                                     |          |
| Safeguards & Security                             |                                    |                                     |          |
| Safety Software QA                                |                                    |                                     |          |
| Technical Program Manager                         |                                    |                                     |          |
| Technical Training                                |                                    |                                     |          |
| Transportation & Traffic Mgt.                     |                                    |                                     |          |
| Waste Management                                  |                                    |                                     |          |
| Weapons QA  |                                    |                                     |          |
| Federal Project Directors <sup>2</sup>            |                                    |                                     |          |
| <b>TOTAL</b>                                      | <b>3</b>                           | <b>3</b>                            |          |

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| <b>Section Three: Current shortages and plans for filling them</b> |
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There are currently no shortages associated with the oversight of defense nuclear facilities at SC Headquarters.

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| <b>Section Four: Projected shortage/surplus over next five years</b> |
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There are no expected shortages or surpluses associated with the oversight of defense nuclear facilities at SC-Headquarters.

<sup>1</sup> These columns identify the number of FTEs needed to perform the Federal Safety Assurance function for your site or office Defense Nuclear Facilities based on potential facility and operational hazards.

**Section Five: General comments or recommendations related to the Technical Staffing**

SC-3 has no comments or recommendations for the FTCP related to technical staffing.