

# memorandum

Idaho Operations Office

Date: January 24, 2007

Subject: Annual Workforce Analysis and Staffing Plan Report (OM-SOSO-07-002)

To: Roy J. Schepens, Chairman  
Federal Technical Capability Panel

Reference: Memorandum from R. J. Schepens to Distribution, "Annual Workforce Analysis and Staffing Plan Report for Calendar Year (CY) 2006," 06-TED-058, dated September 6, 2006.

In accordance with direction in the reference, the Department of Energy, Idaho Operations Office (DOE-ID) performed a workforce analysis and developed an Annual Workforce Analysis and Staffing Report. The Report is hereby submitted for the Federal Technical Capability Program (FTCP) review and incorporation into the FTCP Annual Report to the Secretary.

Also included is an updated listing of Senior Technical Safety Managers and their qualification status. This listing reflects the new DOE-ID organization.

Questions may be addressed to the DOE-ID FTCP Agent, Robert Stallman at (208) 526-1995.



Elizabeth D. Sellers  
Manager

Attachment

**Annual Workforce Analysis and Staffing Plan Report  
As of December 31, 2006  
Reporting Office: Idaho Operations Office**

**Section One: Current Mission(s) of the Organization and Potential Changes**

Laboratory Management: Work toward the creation of a world-class, multidisciplinary laboratory focused on nuclear energy and national security research and development. Major activities include:

- Operation of the Advanced Test Reactor
- Research into advanced nuclear fuels and processing technologies
- Assembly and testing of radioisotopic heat sources and generators for NASA and National Security needs
- Manufacture of Armor for the U.S. Army
- Numerous National Security R&D efforts

Environmental Management: Complete the environmental cleanup in a safe, cost-effective manner, consistent with the principles of the EM Closure Planning Guidance Document dated June 1, 2004.

Major activities include:

- Retrieval, treatment, and shipment of transuranic waste to WIPP
- Transfer of spent nuclear fuels from wet to dry storage
- Operation of CERCLA and low-level radioactive waste disposal facilities
- Design, construction, and operation of a sodium-bearing waste treatment facility
- Preparation of spent nuclear fuels for shipment to a high-level waste repository
- D&D of numerous nuclear and non-nuclear industrial facilities

**Section Two: Technical Staffing**

**Number of Hazard Category 1, 2, or 3 Nuclear Facilities:**

**HC 1 --- 1 (NE)      HC 2 --- 26 (11 NE, 15 EM)      HC 3 --- 8 (5 NE, 3 EM)**

**Number of Radiological Facilities: 105 (49NE, 56 EM)**

**Number of High or Moderate Hazard Non-Nuclear Facilities: NA**

**Number of Low Hazard Non-Nuclear Facilities: NA**

**Number of Documented Safety Analyses: 42 (20 NE, 22 EM)**

**Number of Safety Systems<sup>2</sup>: 93 Active, 262 Total (70 Active, 175 Total NE, 23 Active, 87 Total EM)**

**Number of Site Contractor FTEs: Total: 6234 (NE: 3613; EM: 2621)**

**Number of Federal Office FTEs: NE: 197 ceiling; 189 onboard      EM: 67 ceiling; 61 onboard**

1. Facilities, systems, personnel and authorities listed should be those in the organization's immediate line authority.
2. Safety Systems must be credited in the DSA or be a recognized defense in depth system.

<b>TECHNICAL STAFFING <sup>1</sup></b>							
<b>Technical Staffing Summary Table (see Notes below)</b>							
TECHNICAL CAPABILITY	For All Hazardous Facilities <sup>1</sup>		For Defense Nuclear Facilities <sup>2</sup>		'07 External Hires		
	Number of FTEs Needed <sup>1</sup>	Number of FTEs Onboard <sup>1</sup>	Number of FTEs Needed <sup>2</sup>	Number of FTEs Onboard <sup>2</sup>	DOE-ID Wide	NE	EM
Senior Technical Safety Managers	10	10	5	5	0	0	0
Safety System Oversight Personnel <sup>3</sup>	8	7	3	3	1	1	0
Facility Representatives <sup>4</sup>	22	22	12	12	0	0	0
Other Technical Capabilities: <sup>5</sup>							
Aviation Safety Manager	0.1	0.1	0.05	0.05	0	0	0
Aviation Safety Officer	0	0	0	0	0	0	0
Chemical Processing	0	0	0	0	0	0	0
Civil/Structural Engineering	1	1	0.5	0.5	0	0	0
Construction Mgmt	0	0	0	0	0	0	0
Criticality Safety	4	3	1.5	1.5	1	1	0
Deactivation and Decommissioning	2	2	2	2	0	0	0
Electrical Systems	1	1	0.5	0.5	0	0	0
Emergency Management	3	3	1.5	1.5	0	0	0
Environmental Compliance	8	8	4	4	0	0	0
Environmental Restoration	2	2	2	2	0	0	0
Facility Maintenance Mgmt	2	2	1	1	0	0	0
Fire Protection Engineering	2	2	1.5	1.5	0	0	0
Industrial Hygiene	2	2	0	0	0	0	0
Instrumentation and Control	0.5	0.5	0.5	0.5	0	0	0
Mechanical Systems	1	1	1	1	0	0	0
Nuclear Explosive Safety	0	0	0	0	0	0	0
Nuclear Safety Specialist	6	6	4	4	0	0	0
Occupational Safety	5	3	2	1	2	1	1
Quality Assurance	5	3	2	2	2	2	0
Radiation Protection	3	2	2	1	1	0	1
Safeguards and Security	11	11	6	6	0	0	0
Safety Software Quality Assurance	0.2	0.2	0.1	0.1	0	0	0
Technical Program Manager	0	0	0	0	0	0	0
Technical Training	1	1	0.5	0.5	0	0	0
Transportation & Traffic Mgmt	1	1	0.5	0.5	0	0	0
Waste Management	6	6	6	6	0	0	0
<b>Totals</b>					<b>7</b>	<b>5</b>	<b>2</b>

## Notes:

1. These columns are the number of FTEs needed to perform the Federal Safety Assurance function for all hazardous facilities, including defense and non-defense nuclear facilities, radiological facilities, and other hazardous facilities. The Federal Safety Assurance function is described in the DOE *Implementation Plan to Improve Oversight of Nuclear Operations* (in response to Defense Nuclear Facilities Safety Board Recommendation 2004-1).
2. These columns apply only to defense nuclear facilities, and are a subset of the previous columns. These positions are being specified in order to report the status of shortages and any actions taken to fill them to the DNFSB in December 2006 under Commitment 15 in the DOE 2004-1 IP.
3. SSO staffing analysis worksheets can be found at <http://www.hss.doe.gov/depref/ftcp>
4. Facility Representative staffing analysis worksheets can be found at <http://www.hss.doe.gov/depref/ftcp>
5. Any additional required technical capabilities should be added to this list. No listed technical capabilities should be deleted.

**Section Three: Current shortages and plans for filling them**

High Priority:

EM:

Currently recruiting for one Radiation Protection specialist and one occupational safety specialist.

NE:

Currently recruiting for one SSO and one criticality safety specialist. Additional needs will be addressed as NE FTE ceiling allows.

Overall new external hires needed: EM – 2; NE – 5; Office total – 7.

**Section Four: Projected shortage/surplus over next five years**

Due to aging work force, anticipate significant attrition in technical staff over the next five years. Anticipate impacts particularly in STSM, FR, SSO, technical training, and criticality safety ranks.

Expanding nuclear mission at INL is expected to result in a need for further increased staffing needs in many technical disciplines. Specifics will be determined when projects are assigned.

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

Retirements may have a significant impact on the technical skill levels of DOE-ID staff over the next several years.

**FEDERAL TECHNICAL CAPABILITY PANEL**  
*List of Senior Technical Safety Manager (STSM) Positions*

**ORGANIZATION:** Office of Nuclear Energy, Science and Technology (NE) – Idaho Operations Office (ID)

Position Title	Incumbent	Base Requirements		Compensatory Measures	Qualification Status	Comments
		Technical Degree	Experience			
Operations Office Manager	Elizabeth D. Sellers	Yes	Yes	No	Complete	
Operations Office Lab Deputy Manager	Raymond V. Furstenuau	Yes	Yes	No	Complete	
Senior Operations and Safety Officer	Robert M. Stallman	Yes	Yes	No	Complete	
Assistant Manager, Technology Development & Demonstration	A. David Henderson	Yes	Yes	No	In Process	
Assistant Manager, Infrastructure Support	William F. Hamel	Yes	Yes	No	In Process	
Deputy Manager, Environmental Management Idaho Cleanup Project	Richard B. Provencher	Yes	Yes	No	Complete	
Federal Project Director, Waste Disposition Project	Edward J. Ziemianski	Yes	Yes	No	Complete	
Federal Project Director, Facility and Material Disposition Project	Scott G. Van Camp	Yes	Yes	No	In Process	
Assistant Manager for Nuclear & Safety Performance	Guy A. Girard	Yes	Yes	No	In Process	
Assistant Manager, Operational Support	Geoffrey L. Beausoleil	Yes	Yes	No	Complete	