



Department of Energy  
National Nuclear Security Administration  
Service Center  
P. O. Box 5400  
Albuquerque, NM 87185



FEB 23 2011

MEMORANDUM FOR: Distribution

FROM:

*Karen L. Boardman*

Karen L. Boardman, Chairperson, Federal Technical Capability Panel

SUBJECT:

Quarterly Report on Federal Technical Capability - 11-NA SC-02

This Quarterly Report on the Federal Technical Capability Program (FTCP) contains information on the status of qualifications in the Technical Qualification Program (TQP) and technical skill gaps as of December 31, 2010.

Attachment 1 provides the Status of Qualifications in the TQP. The U.S. Department of Energy (DOE) goal is to exceed 80% "fully qualified or on schedule for qualification" for all personnel in the TQP. Currently, this overall DOE TQP qualification rate is 89%. In addition, 72% of all required personnel are fully qualified. Headquarters and site office managers are encouraged to maintain emphasis on the timely qualifications of their technical personnel. A second goal is that there will be no personnel participating in the TQP who are overdue in their qualifications. The number of personnel overdue in their qualifications is 44.

Attachment 2, 3, 4 and 5 provide specific status of qualifications for Facility Representatives (FR), Senior Technical Safety Managers (STSM), Nuclear Safety Specialists (NS), and Safety System Oversight (SSO) personnel, respectively. General status of qualification in these areas is:

|      |   |   |
|------|---|---|
| FR   | - | 89% fully qualified or on schedule for qualification; 83% fully qualified |
| STSM | - | 91% fully qualified or on schedule for qualification; 73% fully qualified |
| NS   | - | 93% fully qualified or on schedule for qualification; 75% fully qualified |
| SSO  | - | 93% fully qualified or on schedule for qualification; 71% fully qualified |

Attachment 6 shows the status of overall TQP qualifications. Attachments 7 and 8 provide trend data for overall TQP qualification and staffing shortfalls. More detailed Facility Representatives qualification data is published quarterly by the Facility Representative Program Manager.

If you have any questions or comments, please contact me, or your staff may contact Jeanette Yarrington at (301) 903-7030.

#### Attachments

cc w/attachments:

FTCP Agents

E. White, NNSA SC

J. Yarrington, HS-10

#### Distribution:

Deputy Secretary (DS)

Under Secretary of Energy (US)

Chief of Nuclear Safety (US)

Under Secretary for Science (US)

Director, Office of Science (SC-1)

Administrator, National Nuclear Security Administration (NA-1)

Deputy Administrator for Defense Programs, NNSA (NA-10)

Deputy Administrator for Defense Nuclear Nonproliferation, NNSA (NA-20)

Associate Administrator for Emergency Operations, NNSA (NA-40)

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Chief Learning Officer, NNSA (NA-645)

Assistant Secretary for Environmental Management (EM-1)

Assistant Secretary for Nuclear Energy (NE-1)

Chief Human Capital Management Officer (HC-1)

Chief Health, Safety and Security Officer (HS-1)

Departmental Representative to the Defense Nuclear Facilities Safety Board (HS-1.1)

Director, NNSA Service Center/FTCP Chair (NNSA SC)

Manager, Carlsbad Field Office (CBFO)

Manager, Chicago Office (SC-CH)

Manager, Environmental Management Consolidated Business Center (EM-CBC)

Manager, Idaho Operations Office (NE-ID)

Manager, Livermore Site Office (LSO)

Manager, Los Alamos Site Office (LASO)

Manager, Nevada Site Office (NSO)

Manager, Oak Ridge Operations Office (ORO)

Manager, Office of River Protection (ORP)

Manager, Ohio Field Office (OH)

Manager, Pacific Northwest Site Office (PNSO)

Manager, Pantex Site Office (PXSO)

Manager, Portsmouth/Paducah Project Office (PPPO)

Manager, Richland Operations Office (RL)

Manager, Sandia Site Office (SSO)

Manager, Savannah River Operations Office (SR)

Manager, Savannah River Site Office (SRSO)

Manager, Y-12 Site Office (YSO)

| Status of Qualifications in the Technical Qualification Program (TQP) |             |                                   |  |   |   |  |   |   |   |  |
|---|-------------|-----------------------------------|--|---|---|--|---|---|---|--|
| December 31, 2010   |             |                                   |  |   |   |  |   |   |   |  |
| Update Frequency: Quarterly   |             |                                   |  |   |   |  |   |   |   |  |
| OVERALL TQP QUALIFICATIONS  |             |                                   |  |   |   |  |   |   |   |  |
| Office  |             | Number of Capabilities Needed (C) | Number of Capabilities Staffed by Onboard, Fully Qualified Personnel (D) | Number of Capabilities for Which Onboard Staff are Engaged in Initial Qualification, or are Overdue Either for Initial Qualification or Requalification (Includes Column F) (E) | Number of Capabilities for Which Onboard Staff are Overdue to Complete Initial Qualification or Requalification (F) | Staffing Shortfall, i.e. Number of Capabilities for Which Personnel are Not Onboard =C-(D+E) | Percentage of Capabilities for Which Staff are Onboard =(D+E)/C | Percentage of Capabilities Staffed by Onboard, Fully Qualified Personnel =D/C | Percentage of Required Capabilities That Are Either Fully Qualified or on Schedule for Qualification =((D+E)-F)/C | Comments   |
| <b>National Nuclear Security Administration (NNSA)</b>                |             |                                   |  |   |   |  |   |   |   |  |
| Los Alamos Site Office  | LASO        | 114                               | 78   | 20  | 1   | 16   | 86%   | 68%   | 85%   | LASO NNSA FTE Count has been reduced to 107 FTEs   |
| Livermore Site Office   | LSO         | 58                                | 39   | 15  | 0   | 4  | 93%   | 67%   | 93%   | Internal candidate hired for Deputy Manager, creates a vacancy for an Assistant Manager. 1 Facility Representative (FR) vacancy is on HOLD. 1 FR and 1 Industrial Hygiene position will be filled through the Future Leader Program staff currently onboard.   |
| Nevada Site Office  | NSO         | 74                                | 54   | 17  | 0   | 3  | 96%   | 73%   | 96%   | NSO plans to fill critical positions by the end of 3 qtr FY11.   |
| Pantex Site Office  | PXSO        | 66                                | 48   | 14  | 4   | 4  | 94%   | 73%   | 88%   | 7 Safeguards & Security Personnel are requalifying to DOE STD- 1171  |
| Savannah River Site Office  | SRSO        | 18                                | 16   | 2   | 0   | 0  | 100%  | 89%   | 100%  |  |
| Sandia Site Office  | SSO         | 46                                | 30   | 9   | 0   | 7  | 85%   | 65%   | 85%   | Aviation Safety, Civil Structural Engineering, and Electrical Systems capabilities, as well as additional Environmental Compliance, Criticality Safety, and Emergency Management capabilities, provided through NNSA/SC matrix support (7 capabilities).   |
| Y-12 Site Office  | YSO         | 89                                | 73   | 9   | 1   | 7  | 92%   | 82%   | 91%   | Vacancies due to resignations and transfers; working to backfill and evaluate staffing assignments.  |
| NNSA Headquarters   | NA-HQ       | 161                               | 81   | 42  | 13  | 38   | 76%   | 50%   | 68%   |  |
| NNSA Service Center   | NA-SC       | 57                                | 45   | 11  | 0   | 1  | 98%   | 79%   | 98%   | Hiring 1 OSH TQP Participant.  |
| <b>NNSA Totals</b>  |             | <b>683</b>                        | <b>464</b>   | <b>139</b>  | <b>19</b>   | <b>80</b>  | <b>88%</b>  | <b>68%</b>  | <b>86%</b>  |  |
| <b>Environmental Management (EM)</b>                                  |             |                                   |  |   |   |  |   |   |   |  |
| Carlsbad Field Office   | CBFO        | 16                                | 14   | 2   | 0   | 0  | 100%  | 88%   | 100%  | STSM personnel, CBFO Manager moved to SRS and ABSTA retired in 1st Quarter FY11; Deputy Manager retired in 4th Quarter FY10. Acting CBFO Manager and Acting Deputy Manager in final phase of requalification. New ABSTA candidate engaged in initial STSM qualification.   |
| CBC and OSS&SP Field Personnel  | CBC & OSSSP | 31                                | 18   | 13  | 0   | 0  | 100%  | 58%   | 100%  | EMCBC, EMCBC Cadre and field personnel at BNL, Denver, MOAB, Oakland, SPRU, and WVDP.  |
| Office of River Protection  | ORP         | 100                               | 86   | 14  | 0   | 0  | 100%  | 86%   | 100%  | 1 lost to retirement.  |
| Portsmouth/Paducah Project Office                                     | PPPO        | 25                                | 14   | 11  | 0   | 0  | 100%  | 56%   | 100%  | PPPO has established obtaining FPD qualifications as a priority over TQP certification.  |
| Richland Operations Office  | RL          | 78                                | 59   | 14  | 10  | 5  | 94%   | 76%   | 81%   | Shortfall: Industrial Hygienist, Occupational Safety, Mechanical SSO, Criticality Safety SSO, Criticality Safety, and Emergency Management.  |
| Savannah River Ops. Office  | SR          | 231                               | 161  | 36  | 2   | 34   | 85%   | 70%   | 84%   | Reduced FTE ceiling significantly impacts ability to eliminate the shortfall at present. Relying on internal/external staffing actions to reduce shortfall. Both delinquencies are near completion, having obtained all competency signatures and needing only a final signature on one and a comprehensive exam on the other. |
| EM Headquarters   | EM-HQ       | 79                                | 35   | 43  | 7   | 1  | 99%   | 44%   | 90%   | EM HQs is still under a continued process of reassignments and/or details, across the headquarters offices and some TQP functional area qualifications are being affected and/or changed.  |
| <b>EM Totals</b>  |             | <b>560</b>                        | <b>387</b>   | <b>133</b>  | <b>19</b>   | <b>40</b>  | <b>93%</b>  | <b>69%</b>  | <b>89%</b>  |  |
| <b>Others</b>   |             |                                   |  |   |   |  |   |   |   |  |
| Chief of Nuclear Safety   | CNS         | 9                                 | 6  | 3   | 2   | 0  | 100%  | 67%   | 78%   | Of the total CNS staff of nine, six are required to qualify STSM and one is required to qualify Nuclear Safety Specialist and the two remaining staff members identified as SMEs for QA (and not liable for STSM). Additionally, all but the CNS and NSS staff are required to qualify HQ SSO.                                 |
| Health, Safety and Security   | HSS         | 116                               | 85   | 26  | 0   | 5  | 96%   | 73%   | 96%   | HS-60 has 2 unfilled NSS positions, 1 unfilled Occupational Safety position and 1 unfilled Physical Security Systems position; recruitment efforts are underway. FR position currently vacant in HS-50 due to retirement; HS-50 plans to fill position.  |
| Idaho Operations Office   | NE-ID       | 134                               | 130  | 2   | 0   | 2  | 99%   | 97%   | 99%   | AM FMDP acting as DM ICP (Position posted).  |
| Oak Ridge Office  | OR          | 167                               | 127  | 29  | 1   | 11   | 93%   | 76%   | 93%   | Recruiting to fill authorized vacancies.   |
| Office of Science - HQ  | SC-HQ       | 3                                 | 1  | 2   | 1   | 0  | 100%  | 33%   | 67%   |  |
| Chicago - (SC)  | SC-CH       | 38                                | 25   | 13  | 2   | 0  | 100%  | 66%   | 95%   |  |
| Pacific Northwest Site Office (SC)                                    | PNSO        | 6                                 | 6  | 0   | 0   | 0  | 100%  | 100%  | 100%  | 1 NSS and 3 additional SSO support provided by the SC Integrated Support Center.   |
| <b>Others Totals</b>  |             | <b>473</b>                        | <b>380</b>   | <b>75</b>   | <b>6</b>  | <b>18</b>  | <b>96%</b>  | <b>80%</b>  | <b>95%</b>  |  |
| <b>DOE Total</b>  |             | <b>1716</b>                       | <b>1231</b>  | <b>347</b>  | <b>44</b>   | <b>138</b>   | <b>92%</b>  | <b>72%</b>  | <b>89%</b>  |  |
| <b>DOE Goals</b>  |             | <b>-</b>                          | <b>-</b>   | <b>-</b>  |   |  |   | <b>-</b>  | <b>80%</b>  |  |
| <b>Notes:</b>   |             |                                   |  |   |   |  |   |   |   |  |

**Status of Qualifications in the Facility Representative (FR) Program**

December 31, 2010

Update Frequency: Quarterly

**OVERALL FACILITY REPRESENTATIVE (FR) PERSONNEL QUALIFICATIONS**

| Office   |             | Number of FR Capabilities Needed (C) | Number of FRs Staffed by Onboard, Fully Qualified Personnel (D) | Number of FRs for Which Onboard Staff are Engaged in Initial Qualification, or are Overdue Either for Initial Qualification or Requalification (Includes Column F) (E) | Number of FRs for Which Onboard Staff are Overdue to Complete Initial Qualification or Requalification (F) | Staffing Shortfall, i.e. Number of FRs for Which Personnel are Not Onboard =C-(D+E) | Percentage of Capabilities for Which Staff are Onboard =(D+E)/C | Percentage of Capabilities Staffed by Onboard, Fully Qualified Personnel =D/C | Percentage of Required Capabilities That Are Either Fully Qualified or on Schedule for Qualification =((D+E)-F)/C | Comments  |
|--|-------------|--------------------------------------|---|--|--|---|---|---|---|---|
| <b>National Nuclear Security Administration (NNSA)</b> |             |                                      |   | (E)  |  |   |   |   |   |   |
| Los Alamos Site Office                                 | LASO        | 14                                   | 12  | 2  | 1  | 0   | 100%  | 86%   | 93%   |   |
| Livermore Site Office                                  | LSO         | 6                                    | 4   | 0  | 0  | 2   | 67%   | 67%   |   | 1 Facility Representative (FR) vacancy is on HOLD. 1 FR will be filled through the Future Leader Program staff currently onboard.   |
| Nevada Site Office                                     | NSO         | 7                                    | 6   | 1  | 0  | 0   | 100%  | 86%   | 100%  |   |
| Pantex Site Office                                     | PXSO        | 10                                   | 10  | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Savannah River Site Office                             | SRSO        | 4                                    | 3   | 0  | 0  | 1   | 75%   | 75%   | 75%   | FLP will convert to FR upon graduation in June 2011.  |
| Sandia Site Office                                     | SSO         | 4                                    | 3   | 1  | 0  | 0   | 100%  | 75%   | 100%  |   |
| Y-12 Site Office                                       | YSO         | 12                                   | 11  | 0  | 0  | 1   | 92%   | 92%   | 92%   | Hiring in progress to fill the vacancy with an FLP.   |
| NNSA Headquarters                                      | NA-HQ       | 7                                    | 1   | 0  | 0  | 6   | 14%   | 14%   | 14%   |   |
| <b>NNSA Totals</b>                                     |             | <b>64</b>                            | <b>50</b>   | <b>4</b>   | <b>1</b>   | <b>10</b>   | <b>84%</b>  | <b>78%</b>  | <b>83%</b>  |   |
| <b>Environmental Management (EM)</b>                   |             |                                      |   |  |  |   |   |   |   |   |
| Carlsbad Field Office                                  | CBFO        | 3                                    | 3   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| CBC and OSS&SP Field Personnel                         | CBC & OSSSP | 7                                    | 6   | 1  | 0  | 0   | 100%  | 86%   | 100%  | Includes FRs at BNL (2), MOAB (1), SLAC (1), SPRU (1), WVDP (1) and EMCBC Cadre (1). The EMCBC Cadre FR is in the process of completing site-specific training for qualification at the WVDP.   |
| Office of River Protection                             | ORP         | 14                                   | 14  | 0  | 0  | 0   | 100%  | 100%  | 100%  | 3 new FRs hired late December who will be recorded next quarter.  |
| Portsmouth/Paducah Project Office                      | PPPO        | 5                                    | 5   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Richland Operations Office                             | RL          | 20                                   | 18  | 2  | 1  | 0   | 100%  | 90%   | 95%   |   |
| Savannah River Ops. Office                             | SR          | 36                                   | 23  | 7  | 1  | 6   | 83%   | 64%   | 81%   | Staffing action in place through open-continuous announcement to eliminate shortfall. We submitted a hiring request to HQ on 1/5/2011, for their review/approval to make an announcement for 4 FRs, that we are awaiting word on. Participants in qualification are on track. |
| <b>EM Totals</b>                                       |             | <b>85</b>                            | <b>69</b>   | <b>10</b>  | <b>2</b>   | <b>6</b>  | <b>93%</b>  | <b>81%</b>  | <b>91%</b>  |   |
| <b>Others</b>  |             |                                      |   |  |  |   |   |   |   |   |
| Health, Safety and Security                            | HSS         | 1                                    | 0   | 0  | 0  | 1   | 0%  | 0%  | 0%  | Recruitment efforts underway to replace retired FR in HS-50.  |
| Idaho Operations Office                                | NE-ID       | 19                                   | 18  | 0  | 0  | 1   | 95%   | 95%   | 95%   |   |
| Oak Ridge Office                                       | OR          | 22                                   | 21  | 1  | 0  | 0   | 100%  | 95%   | 100%  |   |
| Chicago - (SC)   | SC-CH       | 1                                    | 0   | 1  | 1  | 0   | 100%  | 0%  | 0%  |   |
| Pacific Northwest Site Office (SC)                     | PNSO        | 3                                    | 3   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| <b>Others Totals</b>                                   |             | <b>46</b>                            | <b>42</b>   | <b>2</b>   | <b>1</b>   | <b>2</b>  | <b>96%</b>  | <b>91%</b>  | <b>93%</b>  |   |
| <b>DOE Total</b>                                       |             | <b>195</b>                           | <b>161</b>  | <b>16</b>  | <b>4</b>   | <b>18</b>   | <b>91%</b>  | <b>83%</b>  | <b>89%</b>  |   |
| <b>Notes:</b>  |             |                                      |   |  |  |   |   |   |   |   |

| Status of Qualifications in the Senior Technical Safety Manager (STSM) Program |             |  |   |  |  |   |   |   |   |   |
|--|-------------|--|---|--|--|---|---|---|---|---|
| December 31, 2010  |             |  |   |  |  |   |   |   |   |   |
| Update Frequency: Quarterly  |             |  |   |  |  |   |   |   |   |   |
| OVERALL SENIOR TECHNICAL SAFETY MANAGER (STSM) PERSONNEL QUALIFICATIONS        |             |  |   |  |  |   |   |   |   |   |
| Office   |             | Number of STSM Capabilities Needed (C) | Number of STSMs Staffed by Onboard, Fully Qualified Personnel (D) | Number of STSMs for Which Onboard Staff are Engaged in Initial Qualification, or are Overdue Either for Initial Qualification or Requalification (Includes Column F) (E) | Number of STSMs for Which Onboard Staff are Overdue to Complete Initial Qualification or Requalification (F) | Staffing Shortfall, i.e. Number of STSMs for Which Personnel are Not Onboard =C-(D+E) | Percentage of Capabilities for Which Staff are Onboard =(D+E)/C | Percentage of Capabilities Staffed by Onboard, Fully Qualified Personnel =D/C | Percentage of Required Capabilities That Are Either Fully Qualified or on Schedule for Qualification =((D+E)-F)/C | Comments  |
| <b>National Nuclear Security Administration (NNSA)</b>                         |             |  |   |  |  |   |   |   |   |   |
| Los Alamos Site Office   | LASO        | 8                                      | 8   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Livermore Site Office  | LSO         | 8                                      | 7   | 0  | 0  | 1   | 88%   | 88%   | 88%   | Internal candidate hired for Deputy Manager, creates a vacancy for an Assistant Manager.  |
| Nevada Site Office   | NSO         | 13                                     | 7   | 6  | 0  | 0   | 100%  | 54%   | 100%  |   |
| Pantex Site Office   | PXSO        | 7                                      | 7   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Savannah River Site Office   | SRSO        | 3                                      | 3   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Sandia Site Office   | SSO         | 4                                      | 4   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Y-12 Site Office   | YSO         | 6                                      | 4   | 1  | 0  | 1   | 83%   | 67%   | 83%   | Deputy Manager position vacant due to transfer; backfill in progress  |
| NNSA Headquarters  | NA-HQ       | 51                                     | 35  | 12   | 8  | 4   | 92%   | 69%   | 76%   |   |
| NNSA Service Center  | NA-SC       | 15                                     | 12  | 3  | 0  | 0   | 100%  | 80%   | 100%  |   |
| <b>NNSA Totals</b>   |             | <b>115</b>                             | <b>87</b>   | <b>22</b>  | <b>8</b>   | <b>6</b>  | <b>95%</b>  | <b>76%</b>  | <b>88%</b>  |   |
| <b>Environmental Management (EM)</b>   |             |  |   |  |  |   |   |   |   |   |
| Carlsbad Field Office  | CBFO        | 5                                      | 4   | 1  | 0  | 0   | 100%  | 80%   | 100%  | CBFO Manager moved to SRS and ABSTA retired in 1st Quarter FY11; Deputy Manager retired in 4th Quarter FY10. Acting CBFO Manager and Acting Deputy Manager in final phase of requalification. New ABSTA candidate engaged in initial STSM qualification. Three additional staff members are also engaged in initial STSM qualification. |
| CBC and OSS&SP Field Personnel   | CBC & OSSSP | 12                                     | 5   | 7  | 0  | 0   | 100%  | 42%   | 100%  | With one exception, all STSMs in the qualification and requalification process have completed the STSM course. Five have completed STSM qualification or requalification and seven are on schedule for completion in the allotted time frame. Note: One of the three STSMs at MOAB is per the direction of the FPD.                     |
| Office of River Protection   | ORP         | 7                                      | 10  | 1  | 0  | -4  | 157%  | 100%  | 100%  | 4 FTEs above minimum requirement.   |
| Portsmouth/Paducah Project Office  | PPPO        | 6                                      | 1   | 5  | 0  | 0   | 100%  | 17%   | 100%  | The Portsmouth and Paducah Site Leads and Deputy Manager will need to qualify for STSM.   |
| Richland Operations Office   | RL          | 6                                      | 5   | 1  | 0  | 0   | 100%  | 83%   | 100%  |   |
| Savannah River Ops. Office   | SR          | 31                                     | 27  | 2  | 0  | 2   | 94%   | 87%   | 94%   | Reduced FTE ceiling impacts ability to eliminate the shortfall at present. The two participants in qualification are on track.  |
| EM Headquarters  | EM-HQ       | 32                                     | 20  | 4  | 0  | 8   | 75%   | 63%   | 75%   |   |
| <b>EM Totals</b>   |             | <b>99</b>                              | <b>72</b>   | <b>21</b>  | <b>0</b>   | <b>6</b>  | <b>94%</b>  | <b>73%</b>  | <b>94%</b>  |   |
| <b>Others</b>  |             |  |   |  |  |   |   |   |   |   |
| Chief of Nuclear Safety  | CNS         | 6                                      | 6   | 0  | 0  | 0   | 100%  | 100%  | 100%  | Of the total CNS staff of nine, six are required to qualify STSM. The remaining staff are either recognized QA SMEs or qualifying Nuclear Safety Specialist (NSS) and not required to qualify STSM.   |
| Health, Safety and Security  | HSS         | 19                                     | 13  | 6  | 0  | 0   | 100%  | 68%   | 100%  | One manager needs to complete oral board. Two managers are newly indicated as becoming STSM qualified. Remaining managers need to schedule STSM course.   |
| Idaho Operations Office  | NE-ID       | 8                                      | 7   | 0  | 0  | 1   | 88%   | 88%   | 88%   | AM FMDP acting DM ICP (Position posted)   |
| Oak Ridge Office   | OR          | 25                                     | 13  | 10   | 1  | 2   | 92%   | 52%   | 88%   |   |
| Office of Science - HQ   | SC-HQ       | 3                                      | 1   | 2  | 1  | 0   | 100%  | 33%   | 67%   | New SC-3 Deputy beginning initial qualification.  |
| Chicago - (SC)   | SC-CH       | 3                                      | 3   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Pacific Northwest Site Office (SC)   | PNSO        | 2                                      | 2   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| <b>Others Totals</b>   |             | <b>66</b>                              | <b>45</b>   | <b>18</b>  | <b>2</b>   | <b>3</b>  | <b>95%</b>  | <b>68%</b>  | <b>92%</b>  |   |
| <b>DOE Total</b>   |             | <b>280</b>                             | <b>204</b>  | <b>61</b>  | <b>10</b>  | <b>15</b>   | <b>95%</b>  | <b>73%</b>  | <b>91%</b>  |   |
| <b>Notes:</b>  |             |  |   |  |  |   |   |   |   |   |

**Status of Qualifications in the Nuclear Safety Specialist (NS) Program**

December 31, 2010

Update Frequency: Quarterly

**OVERALL NUCLEAR SAFETY SPECIALIST (NS) PERSONNEL QUALIFICATIONS**

| Office   |             | Number of NS Capabilities Needed (C) | Number of NSs Staffed by Onboard, Fully Qualified Personnel (D) | Number of NSs for Which Onboard Staff are Engaged in Initial Qualification, or are Overdue Either for Initial Qualification or Requalification (Includes Column F) (E) | Number of NSs for Which Onboard Staff are Overdue to Complete Initial Qualification or Requalification (F) | Staffing Shortfall, i.e. Number of NSs for Which Personnel are Not Onboard =C-(D+E) | Percentage of Capabilities for Which Staff are Onboard =(D+E)/C | Percentage of Capabilities Staffed by Onboard, Fully Qualified Personnel =D/C | Percentage of Required Capabilities That Are Either Fully Qualified or on Schedule for Qualification =((D+E)-F)/C | Comments  |
|--|-------------|--------------------------------------|---|--|--|---|---|---|---|---|
| <b>National Nuclear Security Administration (NNSA)</b> |             |                                      |   |  |  |   |   |   |   |   |
| Los Alamos Site Office                                 | LASO        | 10                                   | 9   | 1  | 0  | 0   | 100%  | 90%   | 100%  |   |
| Livermore Site Office                                  | LSO         | 3                                    | 3   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Nevada Site Office                                     | NSO         | 3                                    | 3   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Pantex Site Office                                     | PXSO        | 6                                    | 4   | 2  | 0  | 0   | 100%  | 67%   | 100%  | 3 are dual qualified; 2 qualifications in process.  |
| Savannah River Site Office                             | SRSO        | 1                                    | 1   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Sandia Site Office                                     | SSO         | 2                                    | 1   | 1  | 0  | 0   | 100%  | 50%   | 100%  |   |
| Y-12 Site Office                                       | YSO         | 6                                    | 3   | 2  | 0  | 1   | 83%   | 50%   | 83%   | Need 1 additional NSS capability  |
| NNSA Headquarters                                      | NA-HQ       | 12                                   | 10  | 1  | 1  | 1   | 92%   | 83%   | 83%   |   |
| NNSA Service Center                                    | NA-SC       | 9                                    | 8   | 1  | 0  | 0   | 100%  | 89%   | 100%  |   |
| <b>NNSA Totals</b>                                     |             | <b>52</b>                            | <b>42</b>   | <b>8</b>   | <b>1</b>   | <b>2</b>  | <b>96%</b>  | <b>81%</b>  | <b>94%</b>  |   |
| <b>Environmental Management (EM)</b>                   |             |                                      |   |  |  |   |   |   |   |   |
| Carlsbad Field Office                                  | CBFO        | 2                                    | 1   | 1  | 0  | 0   | 100%  | 50%   | 100%  | One CBFO person that was qualified as a NS retired in 4thQuarter. New NS candidate engaged in the initial qualification.  |
| CBC and OSS&SP Field Personnel                         | CBC & OSSSP | 1                                    | 0   | 0  | 0  | 1   | 0%  | 0%  | 0%  | NSS position is currently being performed by a SME support services contractor.   |
| Office of River Protection                             | ORP         | 8                                    | 5   | 3  | 0  | 0   | 100%  | 63%   | 100%  |   |
| Portsmouth/Paducah Project Office                      | PPPO        | 1                                    | 1   | 0  | 0  | 0   | 100%  | 100%  | 100%  | SSS serving as Nuclear Safety Lead with support from subcontractors.  |
| Richland Operations Office                             | RL          | 4                                    | 4   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Savannah River Ops. Office                             | SR          | 28                                   | 20  | 5  | 1  | 3   | 89%   | 71%   | 86%   | Reduced FTE ceiling impacts ability to eliminate the shortfall at present. Delinquent person has obtained all competency signatures and is awaiting a final comprehensive exam. Other participants in qualification are on track. |
| EM Headquarters  | EM-HQ       | 4                                    | 4   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| <b>EM Totals</b>                                       |             | <b>48</b>                            | <b>35</b>   | <b>9</b>   | <b>1</b>   | <b>4</b>  | <b>92%</b>  | <b>73%</b>  | <b>90%</b>  |   |
| <b>Others</b>  |             |                                      |   |  |  |   |   |   |   |   |
| Chief of Nuclear Safety                                | CNS         | 1                                    | 0   | 1  | 0  | 0   |   |   |   | One staff member is required to qualify Nuclear Safety Specialist (NSS) commencing FY10 Q1.   |
| Health, Safety and Security                            | HSS         | 16                                   | 8   | 6  | 0  | 2   | 88%   | 50%   | 88%   | HS-60 indicates 2 unfilled NSS positions, recruitment efforts underway.   |
| Idaho Operations Office                                | NE-ID       | 8                                    | 8   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Oak Ridge Office                                       | OR          | 10                                   | 7   | 3  | 0  | 0   | 100%  | 70%   | 100%  |   |
| Chicago - (SC)   | SC-CH       | 1                                    | 1   | 0  | 0  | 0   | 100%  | 100%  | 100%  |   |
| Pacific Northwest Site Office (SC)                     | PNSO        | 0                                    | 0   | 0  | 0  | 0   | #DIV/0!   | #DIV/0!   | #DIV/0!   | NSS support provided by SC Integrated Support Center.   |
| <b>Others Totals</b>                                   |             | <b>35</b>                            | <b>24</b>   | <b>9</b>   | <b>0</b>   | <b>2</b>  | <b>94%</b>  | <b>69%</b>  | <b>94%</b>  |   |
| <b>DOE Total</b>                                       |             | <b>135</b>                           | <b>101</b>  | <b>26</b>  | <b>2</b>   | <b>8</b>  | <b>94%</b>  | <b>75%</b>  | <b>93%</b>  |   |

**Status of Qualifications in the Safety System Oversight (SSO) Program**

December 31, 2010

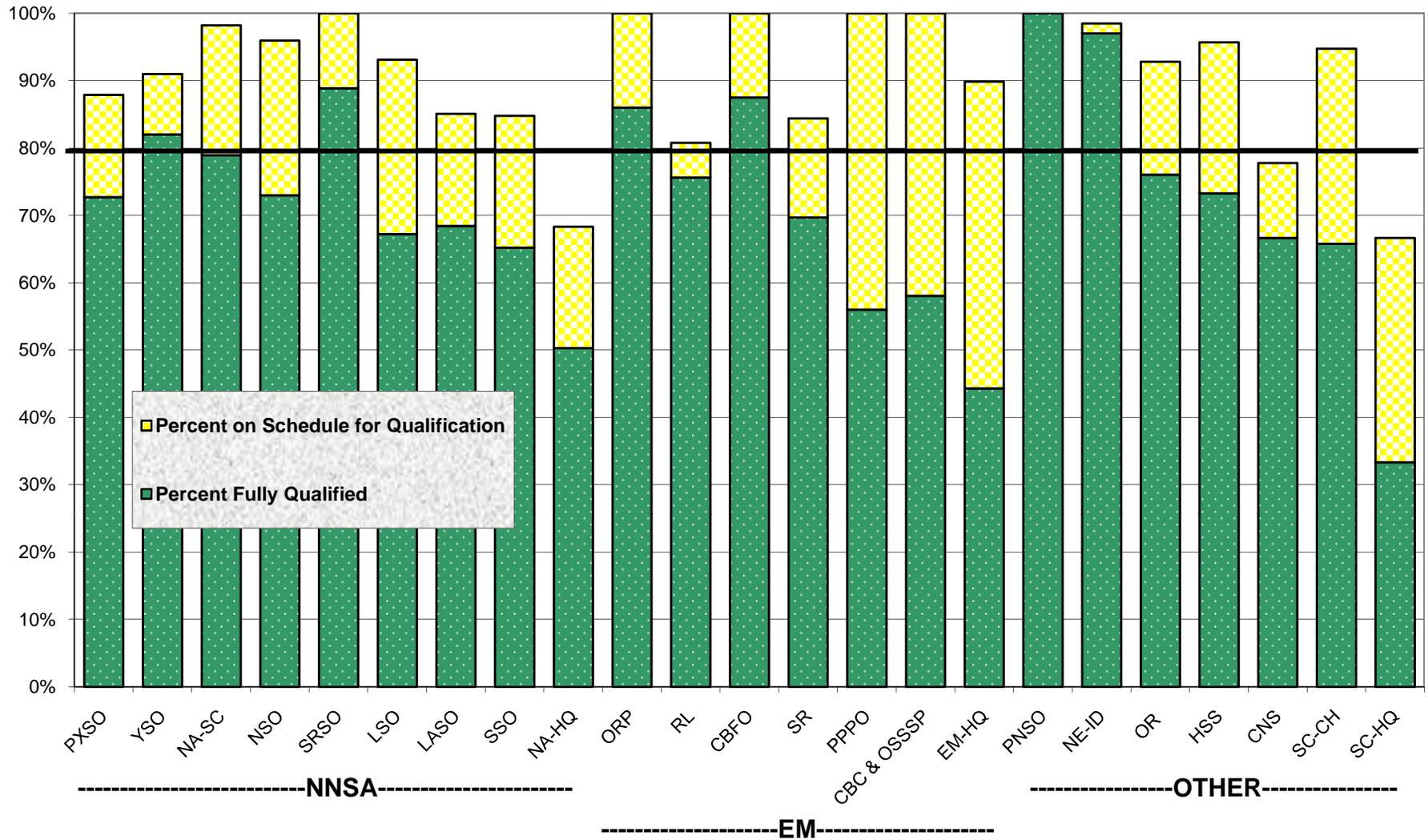
Update Frequency: Quarterly

**OVERALL SAFETY SYSTEM OVERSIGHT (SSO) PERSONNEL QUALIFICATIONS**

| Office   |       | Number of SSO Capabilities Needed (C) | Number of SSOs Staffed by Onboard, Fully Qualified Personnel (D) | Number of SSOs for Which Onboard Staff are Engaged in Initial Qualification, or are Overdue Either for Initial Qualification or Requalification (Includes Column F) (E) | Number of SSOs for Which Onboard Staff are Overdue to Complete Initial Qualification or Requalification (F) | Staffing Shortfall, i.e. Number of STSMs for Which Personnel are Not Onboard =C-(D+E) | Percentage of Capabilities for Which Staff are Onboard =(D+E)/C | Percentage of Capabilities Staffed by Onboard, Fully Qualified Personnel =D/C | Percentage of Required Capabilities That Are Either Fully Qualified or on Schedule for Qualification =(D+E)-F/C | Comments   |
|--|-------|---------------------------------------|--|---|---|---|---|---|---|--|
| <b>National Nuclear Security Administration (NNSA)</b> |       |                                       |  |   |   |   |   |   |   |  |
| Los Alamos Site Office                                 | LASO  | 6                                     | 1  | 4   | 0   | 1   | 83%   | 17%   | 83%   | 1 position overtarget.   |
| Livermore Site Office                                  | LSO   | 3                                     | 3  | 0   | 0   | 0   | 100%  | 100%  | 100%  |  |
| Nevada Site Office                                     | NSO   | 4                                     | 3  | 1   | 0   | 0   | 100%  | 75%   | 100%  |  |
| Pantex Site Office                                     | PXSO  | 5                                     | 5  | 0   | 0   | 0   | 100%  | 100%  | 100%  |  |
| Savannah River Site Office                             | SRSO  | 1                                     | 1  | 0   | 0   | 0   | 100%  | 100%  | 100%  |  |
| Sandia Site Office                                     | SSO   | 1                                     | 0  | 1   | 0   | 0   | 100%  | 0%  | 100%  |  |
| Y-12 Site Office                                       | YSO   | 5                                     | 4  | 1   | 0   | 0   | 100%  | 80%   | 100%  | Qualification in progress.   |
| <b>NNSA Totals</b>                                     |       | <b>25</b>                             | <b>17</b>  | <b>7</b>  | <b>0</b>  | <b>1</b>  | <b>96%</b>  | <b>68%</b>  | <b>96%</b>  |  |
| <b>Environmental Management (EM)</b>                   |       |                                       |  |   |   |   |   |   |   |  |
| Carlsbad Field Office                                  | CBFO  | 6                                     | 6  | 0   | 0   | 0   | 100%  | 100%  | 100%  |  |
| Office of River Protection                             | ORP   | 7                                     | 6  | 1   | 0   | 0   | 100%  | 86%   | 100%  |  |
| Portsmouth/Paducah Project Office                      | PPPO  | 2                                     | 2  | 0   | 0   | 0   | 100%  | 100%  | 100%  | SSO hired at the Portsmouth Site. SSO is in initial qualification process.   |
| Richland Operations Office                             | RL    | 6                                     | 4  | 0   | 0   | 2   | 67%   | 67%   | 67%   | Lost: Mechanical SSO and Criticality Safety SSO.   |
| Savannah River Ops. Office                             | SR    | 22                                    | 12   | 9   | 0   | 1   | 95%   | 55%   | 95%   | Staffing action in place to eliminate shortfall. Personnel engaged in qualification are on track to complete within the allotted time. |
| <b>EM Totals</b>                                       |       | <b>43</b>                             | <b>30</b>  | <b>10</b>   | <b>0</b>  | <b>3</b>  | <b>93%</b>  | <b>70%</b>  | <b>93%</b>  |  |
| <b>Others</b>  |       |                                       |  |   |   |   |   |   |   |  |
| Chief of Nuclear Safety                                | CNS   | 7                                     | 5  | 2   | 2   | 0   | 100%  | 71%   | 71%   | All CNS staff with the exception of the CNS and NSS detailee are required to qualify HQ SSO.   |
| Idaho Operations Office                                | NE-ID | 6                                     | 5  | 1   | 0   | 0   | 100%  | 83%   | 100%  |  |
| Oak Ridge Office                                       | OR    | 5                                     | 4  | 1   | 0   | 0   | 100%  | 80%   | 100%  |  |
| Chicago - (SC)   | SC-CH | 2                                     | 1  | 1   | 0   | 0   | 100%  | 50%   | 100%  |  |
| Pacific Northwest Site Office (SC)                     | PNSO  | 1                                     | 1  | 0   | 0   | 0   | 100%  | 100%  | 100%  | Additional SSO support provided by the SC Integrated Support Center for 3 systems.   |
| <b>Others Totals</b>                                   |       | <b>21</b>                             | <b>16</b>  | <b>5</b>  | <b>2</b>  | <b>0</b>  | <b>100%</b>   | <b>76%</b>  | <b>90%</b>  |  |
| <b>DOE Total</b>                                       |       | <b>89</b>                             | <b>63</b>  | <b>22</b>   | <b>2</b>  | <b>4</b>  | <b>96%</b>  | <b>71%</b>  | <b>93%</b>  |  |
| <b>Notes:</b>  |       |                                       |  |   |   |   |   |   |   |  |

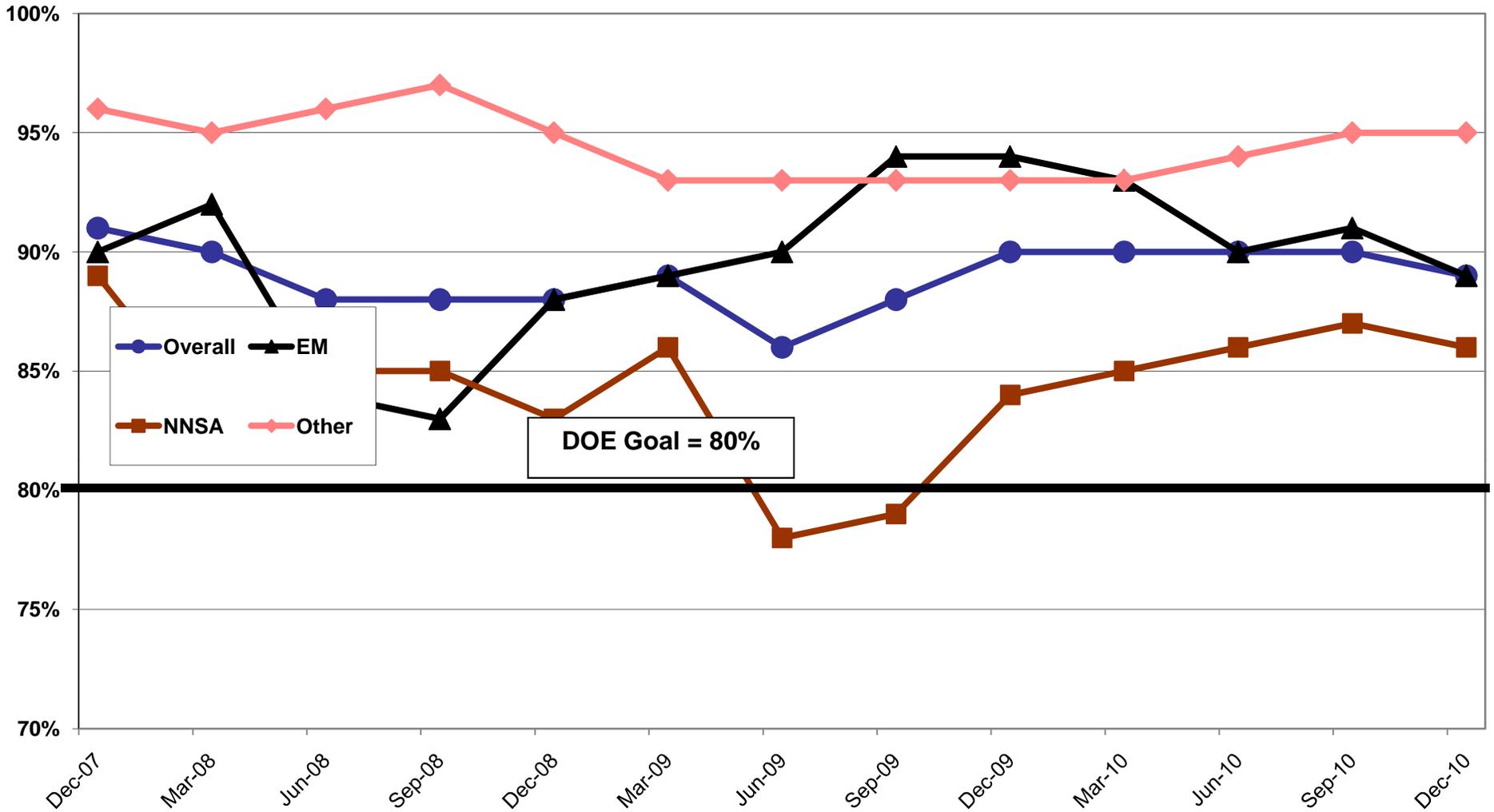
## TQP - Qualified or on Schedule for Qualification by Office - December 2010

(Does Not Include 44 Persons Who Are Overdue to Complete Qualification/Requalification)



# Overall TQP Qualification Trend

Percentage of Capabilities for Which Personnel are Qualified or On Schedule to Qualify



## Staffing Shortfall (Capabilities for Which Personnel Are Not Onboard)

