

Enclosure 1

Content of Enclosures

Enclosure contents respond to the following reporting requirements in the Defense Board Letter dated March 27, 2006:

- The current list of vital safety systems at each site, as well as the contractor systems engineer and Federal safety system oversight personnel assigned to each system.
- The status of training, qualification, and staffing of Federal safety system oversight personnel for vital safety systems at each site. For those sites that have completed the Safety System Oversight Assessment, submission of this assessment is acceptable if it represents the current status of the site.
- The activities performed to institutionalize the vital safety system assessments at each site, including the dates of the last assessment and the schedule for performing the next assessment for each vital safety system.

Enclosure 1: Office of Environmental Management (EM) - The current list of vital safety systems at each site, the contractor systems engineer and Federal safety system oversight personnel assigned to each system, and the dates of the last assessment and the schedule for performing the next assessment for each vital safety system.

National Nuclear Security Administration (NNSA) - The current list of vital safety systems at each site, the contractor systems engineer and Federal safety system oversight personnel assigned to each system; the status of training, qualification, and staffing of Federal safety system oversight personnel for vital safety systems at each site; the activities performed to institutionalize the vital safety system assessments at each site; and the dates of the last assessment and the schedule for performing the next assessment for each vital safety system.

Enclosure 2: EM - Safety system oversight program assessment reports for Carlsbad Field Office, Idaho Operations Office, Oak Ridge Office, Office of River Protection, Richland Operations Office, and Savannah River Operations Office. These reports, supplemented with corrective action status and/or SSO qualification status to reflect the current conditions are forwarded as an acceptable alternative to a separate listing per the Board's letter.

NNSA – Enclosure 1 contains the status of training, qualification, and staffing of Federal safety system oversight personnel.

Enclosure 3: EM - The activities performed to institutionalize the vital safety system assessments at each site. This enclosure contains a brief description of these activities for each site with defense nuclear facilities.

NNSA – Enclosure 1 contains the activities performed to institutionalize the vital safety system assessments at each site.

| Vital Safety Systems at EM Sites (As of March 31 2006) | | | | SSO | CSE | Date of Last Assessment | Next Scheduled Assessment |
|--|--|--|--|----------------|-------------------------|-------------------------|-----------------------------------|
| Carlsbad Field Office | | | | | | | |
| HVAC System in the Waste Handling Building (WHB) | | | | M. Oliver | R. D. Elmore | May 2005 | May 2006 |
| Central Monitoring System (Process Systems) | | | | M. Oliver | M.S. Thompson | March 2006 | January 2007 |
| Confinement Facilities WHB Structure | | | | M. Oliver | W. E. Barnhart | January 2006 | January 2007 |
| WHB Fire Protection System | | | | G. Sahd | W.E. Barnhart, B.S. Bro | April 2006 | April 2007 |
| Continuous Air Monitoring Systems (CAMs) | | | | R. Farrell | R.D. Elmore | April 2006 | April 2007 |
| Waste Hoist Systems (includes brakes) | | | | D. Galbraith | N.D. Siepel | January 2006 | January 2007 |
| Underground Ventilation & Filtration System | | | | D. Galbraith | C.W. Wood | November 2005 | November 2006 |
| CH Waste Handling Equipment | | | | E. Preciado | C.A. Chester | November 2005 | November 2006 |
| | | | | | | | |
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| Office of River Protection - Tank Farms | | | | | | | |
| Double-Shell Tank (DST) Primary Tank Ventilation Systems-241-AN | | | | D. Irby | R.D. Gustavson | Aug 05 | June-06 |
| Double-Shell Tank (DST) Primary Tank Ventilation Systems-241-AP | | | | D. Irby | R.D. Gustavson | Aug 05 | June-06 |
| Double-Shell Tank (DST) Primary Tank Ventilation Systems-241-AW | | | | D. Irby | R.D. Gustavson | Aug 05 | June-06 |
| Double-Shell Tank (DST) Primary Tank Ventilation Systems-241-SY | | | | D. Irby | R.D. Gustavson | Aug 05 | June-06 |
| Double-Shell Tank (DST) Primary Tank Ventilation Systems-241-AY/AZ (702-A) | | | | D. Irby | W.D. Winkelman | Aug 05 | June-06 |
| WFO Instrumentation- Master Pump Shutdown System | | | | R. Harwood | D. T. Heimberger | Feb 06 | FY 08 |
| WFO Instrumentation-Transfer Leak Detection Systems | | | | R. Harwood | D. T. Heimberger | Feb 06 | FY 08 |
| WFO Instrumentation-Service Water Pressure Detection Systems | | | | R. Harwood | D. T. Heimberger | Feb 06 | FY 08 |
| DST Water Systems-Back-flow Prevention Systems | | | | V. Callahan | R.N. Dale | Mar 04 | FY 07 |
| Waste Transferr Systems - Isolation Valves for Double Valve Isolation | | | | V. Callahan | D.W.Reberger | New VSS as of 10/28/0 | FY 07 |
| Retrieval & Closure Electrical Systems-Master Pump Shutdown System | | | | R. Harwood | M.J. Bryden | | FY 07 |
| Retrieval & Closure Electrical Systems-Transfer Leak Detection Systems | | | | R. Harwood | M.J. Bryden | | FY 07 |
| Retrieval & Closure Electrical Systems-Service Water Pressure Detection | | | | R. Harwood | M.J. Bryden | Aug 03 | FY 07 |
| Retrieval & Closure Mechanical Systems-Back-flow Prevention Systems | | | | V. Callahan | J.S. Boettger | Mar 04 | FY 07 |
| Retrieval & Closure Mechanical Systems-Hose-in-Hose Transfer Line System | | | | J.J. Davis | J.S. Boettger | Sep 04 | September-06 |
| Retrieval & Closure Mech. Systems-Above Ground Transfer System Vehicle B | | | | V. Callahan | J.S. Boettger | Jul 05 | June-06 |
| Retrieval & Closure Mech. Systems-Isolation Valves for Double Valve | | | | V. Callahan | J.S.Boettger | New VSS as of 10/28/0 | FY 07 |
| SST Waste Tank Struct., Mix. & Monit.-244-S DCRT Purge Air Sys. | | | | D. Irby | J.N. Doeler | Aug 05 | System in process of deactivation |
| SST Waste Tank Struct., Mix. & Monit.-244-BX DCRT Purge Air Sys. | | | | D. Irby | K.J. Hull | Aug 05 | System in process of deactivation |
| SST Waste Tank Struct., Mix. & Monit.-244-TX DCRT Purge Air Sys. | | | | D. Irby | L.S. Krogsrud | Aug 05 | System in process of deactivation |
| | | | | | | | |
| Office of River Protection - WTP | | | | | | | |
| NOTE: WTP is in design and construction - VSSs are not finalized. SSOs are assigned and qualifying in functional areas, until authorization basis approval, as | | | | | | | |
| Fire Protection | | | | C. Christensen | n/a | n/a | TBD |
| Nuclear Safety | | | | R. Nelson | n/a | n/a | TBD |
| Electrical | | | | M. Ramsay | n/a | n/a | TBD |
| Ventilation | | | | J. Orchard | n/a | n/a | TBD |
| Chemical Process | | | | D. Alexander | n/a | n/a | TBD |
| Chemical Systems | | | | R. Gilbert | n/a | n/a | TBD |

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|--|--|--|--|--------------|--------------|-------|-------|
| Instrumentation and Control | | | | M. Ramsay | n/a | n/a | TBD |
| Mechanical | | | | J. Davis | n/a | n/a | TBD |
| Mechanical | | | | R. Griffith | n/a | n/a | TBD |
| Structural and Confinement | | | | J. Treadwell | n/a | n/a | TBD |
| Structural and Confinement - back up | | | | W. Abdul | n/a | n/a | TBD |
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| Ohio Field Office | | | | | | | |
| Ohio Field Office no longer has active vital safety systems. | | | | | | | |
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| Portsmouth Paducah Project Office | | | | | | | |
| PPPO has no vital safety systems at this time. | | | | | | | |
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| Richland Operations Office | | | | | | | |
| 324 HVAC Exhaust (Final Stage of Zone I/II HEPA Filters) | | | | M. Hahn | R. Gregonis | 2/05 | 12/07 |
| 327 HVAC Exhaust System C (Cell Filters) | | | | M. Hahn | R. Gregonis | 2/05 | 12/07 |
| PFP Electrical Power and Control | | | | C. Ashley | R. Martinson | 1/05 | 9/06 |
| PFP HVAC | | | | M. Hahn | G. Silvan | 1/05 | 12/06 |
| PFP Fire Protection System | | | | TBD | D. Santanna | 1/05 | 6/06 |
| PFP MICON Distribute Control System | | | | C. Ashley | G. Silvan | 1/05 | 6/06 |
| PFP Criticality Alarm System | | | | T. Nirider | L. Kueberth | 4/04 | 9/06 |
| CSB MCO Cask Receiving | | | | T. Nirider | D. Moody | 1/04 | 12/07 |
| CSB Cask Servicing | | | | T. Nirider | D. Black | 1/04 | 12/07 |
| CSB MCO Tube Purge | | | | T. Nirider | D. Black | 1/04 | 12/07 |
| CSB MCO Handling Machine | | | | T. Nirider | D. Medford | 1/04 | 12/07 |
| CSB Sampling | | | | T. Nirider | D. Black | 1/04 | 12/07 |
| CSB Multi Canister Overpack | | | | T. Nirider | L. Goldmann | 1/03 | 12/07 |
| CSB HVAC-Operating Area | | | | F. Beard | D. Moody | 12/05 | 6/08 |
| CVDF General Service Helium | | | | T. Nirider | R. Flye | 10/03 | 6/07 |
| CVDF Safety Class Helium | | | | T. Nirider | R. Flye | 10/03 | 6/07 |
| CVDF Stanby Electrical Power | | | | C. Ashley | T. Haller | 3/06 | 12/08 |
| CVDF Fire Protection | | | | TBD | R. Flye | 3/06 | 12/08 |
| CVDF HVAC-B | | | | M. Hahn | R. Flye | 3/06 | 12/08 |
| CVDF Process Vent System | | | | M. Hahn | R. Flye | 3/06 | 12/08 |
| CVDF HVAC-D | | | | M. Hahn | R. Flye | 3/06 | 12/08 |
| CVDF Process Water Conditioning | | | | T. Nirider | J. Dearing | 10/03 | 6/07 |
| CVDF Tempered Water-Annulus | | | | T. Nirider | J. Dearing | 1/03 | 6/07 |
| CVDF Vacuum Purge | | | | T. Nirider | R. Flye | 10/03 | 6/07 |
| CVDF Safety Class Instruments and Controls | | | | C. Ashley | B. Philipp | 1/03 | 6/07 |
| KE Basin Fire Protection | | | | TBD | R. Flye | 5/04 | 6/06 |
| KE Fuel Transfer System | | | | T. Nirider | J. Hunter | 5/04 | 6/06 |

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|--|--|--|--|-------------|----------------|-------------------|--------------|
| KW Transfer Bay Crane | | | | T. Nirider | C. Cho | 5/04 | 6/06 |
| KW Basin Fire Protection | | | | TBD | R. Flye | 5/04 | 6/06 |
| KW Integrated Water Treatment | | | | T. Nirider | P. Stanley | 5/04 | 6/06 |
| 2404B/C Fire Protection | | | | TBD | T. Moleff | 5/05 | 3/07 |
| CWC Fire Protection | | | | TBD | J. Rosser | 5/05 | 3/07 |
| LLBG Drum Venting System | | | | C. Ashley | D. Black | 12/05 | 9/08 |
| T-Plant HVAC & Confinement Ventilation (T-C-HV) | | | | F. Beard | D. Schoepflin | 11/05 | 9/07 |
| T-Plant Fire Protection | | | | TBD | D. Conners | 5/05 | 3/07 |
| T-Plant HVAC & Confinement Ventilation (T-T-HV) | | | | F. Beard | D. Schoepflin | 11/05 | 9/07 |
| WESF K-1 HVAC Exhaust | | | | M. Hahn | S. Davis | 11/05 | 9/08 |
| WESF K-3 HVAC Exhaust | | | | M. Hahn | S. Davis | 11/05 | 9/08 |
| WESF K-3 HEPA Filters | | | | M. Hahn | S. Davis | 11/05 | 9/08 |
| WESF 225B Fire Suppression System | | | | TBD | S. Davis | 5/05 | 9/08 |
| WESF 225B Area Radiation Monitors | | | | C. Ashley | S. Davis | 12/05 | 6/08 |
| WRAP Fire Protection | | | | TBD | T. Moleff | 5/05 | 3/07 |
| WRAP HVAC | | | | F. Beard | E. Dosramos | 11/05 | 9/07 |
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| Savannah River Operations Office | | | | | | | |
| FAMS Exhaust Tunnel Pressure Interlocks (RREX) | | | | R. Robinson | Mehta | September 1, 2005 | September-06 |
| FAMS Facility Exhaust System (RREX) | | | | R. Robinson | Mehta | September 1, 2005 | September-06 |
| FAMS Air Monitoring System (Including Isokinetic Sampling) | | | | R. Robinson | Baker | April 1, 2006 | April-07 |
| Process Exhaust (GBEX) | | | | R. Robinson | Mehta | September 1, 2005 | September-06 |
| FAMS Standby Diesel Generator (EEP) | | | | R. Robinson | McCalla | September 1, 2005 | September-06 |
| F&H Labs Offgas | | | | B. Hudson | J. Roberts | March 1, 2006 | March-07 |
| F&H Main Exhaust | | | | B. Hudson | J. Roberts | April 1, 2005 | April-06 |
| F-Canyon Exhaust Emergency Electrical Power | | | | D. Rogers | Conway | May 1, 2004 | June-06 |
| F-Canyon Stack Monitor (Including Isokinetic Sampling) | | | | D. Huskin | S. Rabin | May 1, 2004 | June-06 |
| F-Canyon Canyon Exhaust (incl FB-Line Lo Can Exh Tun Vac) | | | | D. Rodgers | Rabin | April 1, 2005 | May-06 |
| HB-Line Liquid Level Instrumentation | | | | J. Kekacs | Marshall | February 1, 2006 | February-07 |
| HB-Line Electrical Distribution System | | | | J. Kekacs | Iskrzyski | November 1, 2004 | May-06 |
| HB-Line Fire System | | | | G. Yaffe | Miller | January 1, 2005 | September-06 |
| HB-Line Tornado Dampers | | | | J. Kekacs | J. Mundo | March 1, 2006 | March-07 |
| HB-Line Ventilation System Interlock (Building Vacuum) | | | | K. Kekacs | J. Mundo | March 1, 2006 | March-07 |
| HB-Line Backup Power System | | | | J. Kekacs | S. Holt | January 1, 2006 | January-07 |
| HB-Line Dissolver Vacuum Air Purge Tap | | | | J. Kekacs | Shaffer | July 1, 2005 | July-06 |
| HB-Line Dissolver Vacuum Instrumentation | | | | J. Kekacs | Shaffer | July 1, 2005 | July-06 |
| HB-Line Glovebox Exhaust System | | | | J. Kekacs | J. Mundo | March 1, 2006 | March-07 |
| HB-Line Nuclear Incident Monitoring System (NMIS) | | | | Shepard / W | M. Lethco | July 1, 2005 | July-06 |
| HB-Line Scrap Recovery Product Hold Tank Level Interlocks | | | | J. Kekacs | Shaffer | July 1, 2005 | July-06 |
| HB-Line Process Air Purge System | | | | J. Kekacs | Taylor | January 1, 2005 | February-07 |
| HB-Line Vent Sys Intlks (Glovebox Exh Fan and Can Exh Tun Lo-Lo Vac) | | | | J. Kekacs | Ahmad | February 1, 2004 | April-06 |
| H-Canyon Stack Monitors | | | | D. Huskin | Lethco / McCoy | September 1, 2004 | May-06 |
| H-Canyon Weir Pressure Intlk for 1C Bank | | | | T. Smith | Hudlow | December 1, 2004 | November-06 |

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|---|--|--|--|--------------|----------------|-------------------|--------------|
| H-Canyon Pu Tank Liq Lvl Instrumentation | | | | T. Smith | Brown | June 1, 2004 | May-06 |
| H-Canyon Canyon Exhaust Fans | | | | T. Smith | Scaggs | October 1, 2004 | September-06 |
| H-Canyon Canyon Supply Fan Intlk for Low Can Exh Air Tunnel Vac | | | | T. Smith | Scaggs | October 1, 2004 | September-06 |
| H-Canyon Circ Cool Wtrr Mon and Alrms and Auto Timers | | | | T. Smith | McCoy | September 1, 2004 | May-06 |
| H-Canyon Circulated Cooling Water Diversion Valves and Motor Operators | | | | T. Smith | Mays | February 1, 2004 | March-07 |
| H-Canyon Diesel Generator System (254) | | | | T. Smith | Holt | November 1, 2005 | March-07 |
| H-Canyon High Temp Intlks and Alrms fro Evap (4 Systems) | | | | T. Smith | Arnold | November 1, 2004 | October-06 |
| H-Canyon Segregated Cooling Water Delaying Basin Outlet Valves | | | | T. Smith | Mays | February 1, 2004 | March-07 |
| H-Canyon Uranium Analyzer Interlocks (2 Systems) | | | | T. Smith | Arnold | November 1, 2004 | October-06 |
| H-Canyon ARU High Temperature Interlocks | | | | T. Smith | Travis | February 1, 2004 | TBD |
| H-Canyon Conductivity Meter and Interlock (2 Systems) | | | | T. Smith | Hudlow | December 1, 2004 | November-06 |
| H-Canyon Dissolvers Air Purge Sys and Low Air Purge Stm Intlks | | | | T. Smith | Brown | March 1, 2004 | June-06 |
| H-Canyon Dissolvers Condenser Cooling Water Interlock | | | | T. Smith | Brown | March 1, 2004 | June-06 |
| H-Canyon Evaporator Low Liquid Level Interlock (2 Systems) | | | | T. Smith | Arnold | November 1, 2004 | October-06 |
| H-Canyon Flow Alarms for First Cycle Feed Streams | | | | T. Smith | Hudlow | December 1, 2004 | November-06 |
| H-Canyon Sump High Liquid Level Alarm (13H High) | | | | T. Smith | Hudlow | December 1, 2004 | November-06 |
| H-Canyon Head End Evaporator High Sp Gr Interlock | | | | T. Smith | Brown | February 1, 2006 | April-07 |
| H-Canyon Head End Evaporator Low level Steam Cutoff Interlocks | | | | T. Smith | Brown | February 1, 2006 | April-07 |
| H-Canyon Head End Strike Tank High Temperature Interlock | | | | T. Smith | Brown | February 1, 2006 | April-07 |
| H-Canyon Head End Strike Low Level Steam Cutoff Interlock | | | | T. Smith | Brown | February 1, 2006 | April-07 |
| H-Canyon High Temperature Alarms on Tanks (A-Line) | | | | T. Smith | Vu | February 1, 2006 | April-07 |
| H-Canyon Instt Air Rot (Rot & Alarms) (2 Systems) | | | | T. Smith | Arnold | November 1, 2004 | October-06 |
| H-Canyon Low Liquid Level Pump Cutoff Interlock for ARU Feed Tank | | | | T. Smith | Travis | February 1, 2004 | TBD |
| H-Canyon Mixer-Settler High Feed Temperature Interlocks and Alarms (2 Syste | | | | T. Smith | Hudlow | December 1, 2004 | November-06 |
| H-Canyon Mixer-Settler Neutron Monitor Interlocks (2 Systems) | | | | T. Smith | Arnold | November 1, 2004 | October-06 |
| H-Canyon Nuclear Incident Monitoring System | | | | Shepard / Wc | Lethco | March 1, 2005 | January-07 |
| H-Canyon Process Vessel Vent System to Include Filter Inlet Low Vac Alarms | | | | T. Smith | Smith | October 1, 2004 | September-06 |
| H-Canyon Railroad Tunnel and Hot Crane Maint Shield Dr Perm Sw | | | | T. Smith | Brown | March 1, 2004 | June-06 |
| H-Canyon Segregated Cooling Water Activity Monitors and Alarms | | | | T. Smith | McCoy | September 1, 2004 | May-06 |
| H-Canyon Segregated Cooling Water Diversion Valves and Motor Operators | | | | T. Smith | Mays | February 1, 2004 | March-07 |
| K-Area 9975 Containers | | | | R. Robinson | J. Murphy | April 1, 2006 | August-06 |
| L-Reactor Nuclear Incident Monitors (and ARMS) | | | | Shepard / Wc | Taylor | March 1, 2003 | August-06 |
| L-Reactor Shielded Transfer System (Combining to make STS) | | | | D. Rodgers | Dunavant/Olson | April 1, 2005 | August-06 |
| SRNL Cell Active Vent Sys Exh (Sandfilter as only credited filter) | | | | Hudson | Lowe | January 1, 2005 | December-06 |
| SRNL Sand Filter Stack Monitor and Isokenetic Sampling | | | | D. Huskin | Meers | January 1, 2005 | December-06 |
| SRNL Stack Monitor and Isokenetic Monitoring | | | | D. Huskin | Meers | January 1, 2005 | December-06 |
| SRNL Stack Sampling System | | | | D. Huskin | Meers | January 1, 2005 | December-06 |
| SRNL Fire Sprinkler System | | | | G. Yaffe | Patel | July 1, 2005 | December-06 |
| SRNL Flammable Gas Distribution System | | | | Hudson | Kane | March 1, 2005 | December-06 |
| SRNL Section Cell Exhaust System | | | | Hudson | Lowe | January 1, 2005 | December-06 |
| SRNL Off-Gas Exhaust Systems and HEPA | | | | Hudson | Lowe | June 1, 2005 | December-06 |
| SRNL Section Central Hood Exhaust System | | | | Hudson | Neill | September 1, 2005 | December-06 |
| DWPF Chemical Process Cell Safety Grade Nitrogen Purge System | | | | J. Ridley | Patel | April 1, 2006 | August-06 |
| DWPF Chemical Process Cell Primary Purge System | | | | J. Ridley | Patel | August 1, 2005 | August-06 |

| Vital Safety Systems NE/SC Sites (As of March 31 2006) | SSO | CSE | Date of Last Assessment | Next Scheduled Assessment |
|--|-----------|--------------------------|-------------------------|---------------------------|
| Idaho National Laboratory - Idaho Cleanup Project* | | | | |
| CPP-603 Fuel Conditioning Station Temperature Monitoring System | Enos | Jolly | Nov-05 | September-06 |
| CPP-603 Fuel Handling Cave Criticality Alarm System | Enos | Brown | Mar-06 | March-07 |
| CPP-603 Fuel Handling Station Emergency Cutoff Switch | Enos | Jolly | Nov-05 | June-06 |
| CPP-659 Process Safety Instrumentation | Preece | Heasley | Oct-05 | December-06 |
| CPP-659 Rapid Shutdown System | Preece | Law | Mar-06 | March-07 |
| CPP-604 PEW Evaporator Temperature Instrumentation | Preece | Deede | Mar-06 | September-06 |
| CPP-604 Vessel Sparger, Sparger Instrumentation, and Level Instrumentation | Preece | Bryant | May-06 | June-06 |
| CPP-651 Criticality Alarm System | Enos | Brown | NA Shutdown | December-06 |
| RWMC AR Project Excavator Ventilation System | McQuiston | Hannah | Jan-06 | December-06 |
| RWMC AR Project Telehandler Ventilation System | McQuiston | Hannah | Jan-06 | December-06 |
| WMF-671 Criticality Alarm System | McQuiston | Conley | NA Shutdown | March-07 |
| WMF-671 Excavator Drum Weighing System | McQuiston | Conley | NA Shutdown | March-07 |
| WMF-671 Fire Suppression System | McQuiston | Conley | NA Shutdown | March-07 |
| WMF-671 Packaging Glovebox System | McQuiston | Conley | NA Shutdown | March-07 |
| WMF-671 Retrieval Confinement Structure Pressure Relief System | McQuiston | Conley | NA Shutdown | March-07 |
| WMF-671 Standby Power System | McQuiston | Conley | NA Shutdown | March-07 |
| WMF-671 Ventilation System | McQuiston | Conley | NA Shutdown | March-07 |
| WMF-697 Drum Packaging Room CAMs | McQuiston | Jaques | Jan-06 | December-06 |
| WMF-697 Drum Packaging Station Fire Suppression System | McQuiston | Hannah | Jan-06 | June-06 |
| WMF-697 Exhaust Ventilation System | McQuiston | Hannah | Jan-06 | December-06 |
| WMF-697 Fire Detection and Alarm System | McQuiston | Hannah | Jan-06 | June-06 |
| WMF-697 Fire Watch Monitoring System (Including thermal imaging camera) | McQuiston | Klingler | Jan-06 | June-06 |
| AMWTP Real-Time Radiography System Chamber Shielding, Interlock | McQuiston | Stanley Thomas Galbraith | Mar-06 | December-06 |
| AMWTP Drum and Box Assay Machines | McQuiston | Thompson Thomas Newby | Apr-06 | September-06 |
| AMWTP Fissile Tracking System (Database Software) | McQuiston | Dineen, Schiable | Apr-06 | September-06 |
| AMWTP Fissile Tracking System Interlocks | McQuiston | Dineen, Schiable | Apr-06 | September-06 |
| AMWTP Special Case Waste (SCW) Packet Assay Monitor | McQuiston | Thompson Thomas Newby | Jan-06 | September-06 |
| AMWTP Criticality Incident Detection and Alarm system (CIDAS) | McQuiston | Dineen Thompson | Jun-05 | December-06 |
| WMF-610 Fire Alarm System | McQuiston | Stewart | Feb-06 | June-06 |
| WMF-610 Fire Suppression System | McQuiston | Stewart | Feb-06 | June-06 |

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| WMF-610 RTR Interlocks | | | | McQuiston | Grover | Mar-06 | December-06 |
| WMF-610 RTR Audible and Visual Warning Signals, Minimum 20-Sec | | | | McQuiston | Grover | Mar-06 | December-06 |
| AMWTP Emergency Switches | | | | McQuiston | Grover | Mar-06 | September-06 |
| AMWTP WMF-628 Fire Alarm System | | | | McQuiston | Grover | Feb-06 | June-06 |
| AMWTP WMF-628 Fire Suppression Systems | | | | McQuiston | Stewart | Feb-06 | June-06 |
| *Excludes Nuclear Energy Facilities | | | | | | | |
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| Oak Ridge Operations Office | | | | | | | |
| ETTP Buildings K-25/K-27, Radiation Criticality Accident Alarm System | | | | B. Hawks | K. Atwood | Oct-05 | Oct-06 |
| ETTP K-25, Fire Suppression Sprinklers | | | | P. Smith | W. Hancock | Oct-05 | Oct-06 |
| ETTP K-25/K-27, Foam Delivery Systems Automatic Shut-Off | | | | S. Moon | K. Atwood | Oct-05 | Oct-06 |
| ETTP Building K-1065, Wet Pipe Sprinkler Systems, Buildings K-1065A-E | | | | P. Smith | W. Byars | Jan-03 | Nov-06 |
| ETTP Building K-1065, Dry Chemical Extinguisher Systems, Buildings K-1065F | | | | P. Smith | W. Byars | Jan-03 | Nov-06 |
| Molten Salt Reactor Experiment Building 7503, Hydrogen Fluoride Detectors | | | | S. Moon | R. Campbell | Mar-05 | May-06 |
| Molten Salt Reactor Experiment Building 7503, Containment Ventilation System | | | | S. Foster | R. Campbell | Mar-05 | May-06 |
| Molten Salt Reactor Experiment Building 7503, Non-Destructive Analysis (NDA) | | | | S. Moon | R. Campbell | Mar-05 | May-06 |
| Molten Salt Reactor Experiment Building 7503, Emergency Shutdown System | | | | S. Moon | R. Campbell | Mar-05 | May-06 |
| Molten Salt Reactor Experiment Building 7503, Fire Protection Sprinkler System | | | | P. Smith | R. Campbell | Mar-05 | May-06 |
| Oak Ridge National Laboratory Building 3038, Process Off-Gas System (POG) | | | | S. Foster | P. Bryan | Apr-06 | FY2007 |
| Oak Ridge National Laboratory Building 3517, Cell Ventilation System | | | | S. Foster | P. Bryan | Apr-06 | FY2007 |
| Oak Ridge National Laboratory Low Level Liquid Waste Building 2531, Local T | | | | S. Moon | D. Smith | N/A | 2nd Qtr 2006 |
| Oak Ridge National Laboratory Low Level Liquid Waste Building 2537, Local T | | | | S. Moon | D. Smith | N/A | 2nd Qtr 2006 |
| Oak Ridge National Laboratory Low Level Liquid Waste Building 7830, Local T | | | | S. Moon | D. Smith | N/A | 2nd Qtr 2006 |
| Oak Ridge National Laboratory Low Level Liquid Waste Building 7856, Local T | | | | S. Moon | D. Smith | N/A | 2nd Qtr 2006 |
| Oak Ridge National Laboratory Low Level Liquid Waste Building 2537, Transfe | | | | S. Moon | D. Smith | N/A | 2nd Qtr 2006 |
| Oak Ridge National Laboratory Low Level Liquid Waste Building 7856, Transfe | | | | S. Moon | D. Smith | N/A | 2nd Qtr 2006 |
| Oak Ridge National Laboratory Melton Valley Solid Waste Storage Facilities, F | | | | P. Smith | W. Byars | N/A | 3rd Qtr 2006 |
| Oak Ridge National Laboratory Melton Valley Solid Waste Storage Facilities, F | | | | P. Smith | W. Byars | N/A | 3rd Qtr 2006 |
| Oak Ridge National Laboratory Melton Valley Solid Waste Storage Facilities, F | | | | P. Smith | W. Byars | N/A | 3rd Qtr 2006 |
| 3019A Complex, Fire Sprinkler Systems 1, 2, and 4* | | | | P. Smith | J. Sipes | Aug-04 | TBD |
| TRU/Alpha Low Level Waste Treatment Project Ventilation System | | | | S. Foster | J. Weeks | Dec-05 | 2nd Qtr 2007 |
| TRU/Alpha Low Level Waste Treatment Project Glovebox Waste Mist System | | | | P. Smith | K. Dungan | Dec-05 | 2nd Qtr 2007 |
| * Since this facility is in the process of transferring from NE to EM, an assessment date has not yet been established. | | | | | | | |
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**Information Required for Closeout of DNFSB Recommendation 2000-2,
Configuration Management, Vital Safety Systems
NNSA Response to the March 27, 2006 DNFSB Letter**

Los Alamos National Laboratory

| Site and Facility | Vital Safety System <div style="border: 1px solid black; padding: 5px; font-size: small;"> Legend Red – Safety Class SSC Blue – Safety Significant SSC Black – Other Defense-In-Depth SSC Superscript ^A – Active safety system Superscript ^P – Passive Safety System </div> | Is the system on a list of safety systems that is under document control? (Yes or No) | Identify the Site Office SSO lead person assigned to the system | Provide verification that the lead SSO has been qualified in accordance with Section 1, Safety System Oversight, of DOE M 426.1-1A (Qualified), or the date by which the SSO will be fully qualified (mm/dd/yy) | Identify the contractor lead System Engineer (SE) assigned to the system | Provide verification that the lead SE has been qualified in accordance with section 4.5, System Engineer Program, of the DOE O 420.1A Contractor Requirements Document (Qualified), or the date by which the SE will be fully qualified (mm/dd/yy) | Date of Last Phase II Assessment Performed for this System | Date of Next Phase II Assessment Scheduled for this System |
|--------------------------|--|---|---|---|--|--|--|--|
| LANL CMR (TA-3-29) | Fire Suppression System ^A | Yes | John Fredlund | 7/27/06 | Jason Kemp | Qualified FY05 8/30/2005 | February '05 | |
| | Hot Cell Structures ^P | Yes | John Fredlund | 7/27/06 | Fred Reinhart | N/A | | |
| | Continuous Air Monitoring System ^A | Yes | John Fredlund | 7/27/06 | Fred Reinhart | Qualified FY05 8/25/2005 | February '05 | |
| | Fire Alarm System ^A | Yes | John Fredlund | 7/27/06 | Jason Kemp | Qualified FY05 8/30/2005 | February '05 | |
| | Wings 2, 3, 4, 5, 7 Ventilation System inside labs ^A | Yes | John Fredlund | 7/27/06 | Thad Hahn | T&Q In Progress | | |
| | Wing 9 Ventilation System inside labs and hot cells ^A | Yes | John Fredlund | 7/27/06 | Thad Hahn | T&Q In Progress | | |
| | Wings 2, 3, 4, 5, 7 Ventilation System outside labs ^A | Yes | John Fredlund | 7/27/06 | Bruce Bingham | Qualified FY05 8/31/2005 | June '05 | |

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|-----------------------|--|-----|---------------|---------|---------------|---------------------------|--------------|--|
| | Wing 9 Ventilation System outside labs ^A | Yes | John Fredlund | 7/27/06 | Bruce Bingham | Qual'ed FY05 8/31/2005 | June '05 | |
| | Flammable Gas Control System (not currently installed) ^A | Yes | John Fredlund | 7/27/06 | Kreg Gauss | Qual'ed FY05 8/24/2005 | | |
| | Hood Washdown System (out of service) ^A | Yes | John Fredlund | 7/27/06 | Kreg Gauss | Qual'ed FY05 8/24/2005 | February '05 | |
| | Hot Cell Door Interlocks ^A | Yes | John Fredlund | 7/27/06 | Fred Reinhart | Qual'ed FY05 8/25/2005 | February '05 | |
| | Hot Cell Shielding ^P | Yes | John Fredlund | 7/27/06 | Fred Reinhart | N/A | | |
| | Hot Cell Structure ^P | Yes | John Fredlund | 7/27/06 | Fred Reinhart | N/A | | |
| | Hot Cells ^P | Yes | John Fredlund | 7/27/06 | Kreg Gauss | Qual'ed FY05 9/20/2005 | | |
| | Gloveboxes ^P | | | 7/27/06 | Thad Hahn | N/A | | |
| | Inert Glovebox Atmosphere ^P | | | 7/27/06 | Thad Hahn | N/A | | |
| | Hot Cell Alpha Boxes ^P | Yes | John Fredlund | 7/27/06 | Fred Reinhart | N/A | | |
| | Building Structure ^P | Yes | John Fredlund | 7/27/06 | Bruce Bingham | N/A | | |
| | Building Structure - fire barriers, including vertical Rise of Walls through Wing Roofs ^P | Yes | John Fredlund | 7/27/06 | Jason Kemp | N/A | March '06 | |
| | Wing 9 Floor Storage Well Slab, Well sleeves, and Well Plugs ^P | Yes | John Fredlund | 7/27/06 | Fred Reinhart | N/A | | |
| | Main Vault and locked rooms ^P | Yes | John Fredlund | 7/27/06 | Bruce Bingham | N/A | | |
| | Shielding berm, outside facility walls ^P | | | 7/27/06 | Bruce Bingham | N/A | | |
| | Passive, non-removable Sheilding ^P | Yes | John Fredlund | 7/27/06 | Bruce Bingham | N/A | | |
| LANL DVRS TA-54 | Air Exhaust System ^A | Yes | John Fredlund | 7/27/06 | Dan Tepley | Qual'ed FY05 8/2/2005 | | |
| | Compressed Air System ^A | Yes | John Fredlund | 7/27/06 | Dan Tepley | Qual'ed FY05 8/2/2005 | | |
| | Air Supply System ^A | Yes | John Fredlund | 7/27/06 | Dan Tepley | Qual'ed FY05 8/2/2005 | | |

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|------------------------|---|-----|---------------|---------|-----------------------------|----------------------------|-----------|--|
| | Diesel Generator and associated Electrical Distribution System ^A | Yes | John Fredlund | 7/27/06 | Dan Tepley | Qualified FY05 8/4/2005 | April '05 | |
| | Fire Suppression System ^A | Yes | John Fredlund | 7/27/06 | Dan Tepley | Qualified FY05 8/3/2005 | | |
| | Glovebox Exhaust System ^A | Yes | John Fredlund | 7/27/06 | Dan Tepley | Qualified FY05 8/2/2005 | | |
| | Glovebox Atmosphere Control System ^A | Yes | John Fredlund | 7/27/06 | Dan Tepley | Qualified FY05 8/2/2005 | | |
| | Building TA-54-412 ^P | | | | None | N/A | | |
| | Building TA-54-433 ^P | | | | None | N/A | | |
| | Waste Drums ^P | | | | None | N/A | | |
| | Glovebox & Support Stand ^P | | | | None | N/A | | |
| | Drum Lifts ^P | | | | None | N/A | | |
| LANL LACEF TA-18 | Comet Hydraulic System (SCRAM portion only) ^A | No | | | VSS/CSE List In Progress | T&Q In Progress | | |
| | Planet Hydraulic System (SCRAM portion only) ^A | No | | | VSS/CSE List In Progress | T&Q In Progress | | |
| | Flattop Hydraulic System (SCRAM portion only) ^A | No | | | VSS/CSE List In Progress | T&Q In Progress | | |
| | Godiva Safety Block Magnet System | | | | VSS/CSE List In Progress | T&Q In Progress | | |
| | SHEBA Fuel Handling System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| | Comet Reactivity Control System ^A | No | | | VSS/CSE List In Progress | T&Q In Progress | | |
| | Flattop Reactivity Control System ^A | No | | | VSS/CSE List In Progress | T&Q In Progress | | |
| | Planet Reactivity Control System ^A | No | | | VSS/CSE List In Progress | T&Q In Progress | | |
| | Godiva Reactivity Control System ^A | No | | | VSS/CSE List In Progress | T&Q In Progress | | |

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|--|----|---------------|---------|-----------------------------|-----------------|--|--|
| Nuclear Instrumentation System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| CASA 1 SCRAM Chain System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| CASA 2 SCRAM Chain System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| CASA 3 SCRAM Chain System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| Building 127 Interlock System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| Building 227 Interlock System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| SHEBA Cover Gas System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| SHEBA Effluent Treatment System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| Godiva Burst Yield System ^A | No | | | VSS/CSE List In Progress | T&Q In Progress | | |
| Fire Detection System for CASA 1, CASA 2, CASA 3 and Building 127 ^A | No | John Fredlund | 7/27/06 | Dave Haring | T&Q In Progress | | |
| Radiation Monitoring System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| Critical Assembly Uninterruptible Power Supply System ^A | No | John Fredlund | 7/27/06 | VSS/CSE List In Progress | T&Q In Progress | | |
| Structures and Components Support ^P | No | John Fredlund | 7/27/06 | Dave Haring | N/A | | |
| Storage Containers for Potentially Dispersible Nuclear Material ^P | No | John Fredlund | 7/27/06 | Dave Haring | N/A | | |

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|--|--|-----|---------------|---------|-----------------------|---------------------------------------|------------------|-----------|
| | Robust Stainless-Steel Containers with External Spacers for Storing HEU Solutions ^P | No | John Fredlund | 7/27/06 | Dave Haring | N/A | | |
| | Flood Retention and Control Structure ^P | No | John Fredlund | 7/27/06 | Dave Haring | N/A | March '06 | |
| | Site Perimeter Fence ^P | No | John Fredlund | 7/27/06 | Dave Haring | N/A | | |
| LANL TA-55 PF 4, 6, 8, 10, 11 | PF-4 Confinement Structure, Ductwork, and Filter Plenums ^P | No | John Fredlund | 7/27/06 | N/A | N/A | March '05 | |
| | Beryllium Weld Dress Machining Lathe Enclosure ^A | Yes | John Fredlund | 7/27/06 | Duane Vigil | Qual'ed FY 0 8/17/2005 | | |
| | Pit Burst Test Unit ^A | Yes | John Fredlund | 7/27/06 | Tom McNaughton | Qual'ed FY 0 9/18/2005 | | April '06 |
| | Pressure Vessels ^A | No | John Fredlund | 7/27/06 | Alan Bond | Trained in FY '05 Qual In Progress | | |
| | Vault Water Tanks ^A | Yes | John Fredlund | 7/27/06 | Mike Mashaw | Qual'ed FY0 8/15/2005 | | |
| | Electrical Distribution System ^A | Yes | John Fredlund | 7/27/06 | G.A. Harrison | Qual'ed FY0 8/16/2005 | September '05 | |
| | Instrument Air System ^A | Yes | John Fredlund | 7/27/06 | Daniel Pennington | Qual'ed FY0 8/15/2005 | | |
| | Fire Suppression Sprinkler System ^A | Yes | John Fredlund | 7/27/06 | Gerald Merkey | Qual'ed FY0 7/21/2005 | | |
| | Full Scale Test Facility ^A | Yes | John Fredlund | 7/27/06 | Joe Reynolds | Qual'ed FY0 8/16/2005 | | April '06 |
| | Facility Control System ^A | Yes | John Fredlund | 7/27/06 | Ralph Polkinghorne | Qual'ed FY0 8/11/2005 | | |
| | Paging System ^A | Yes | John Fredlund | 7/27/06 | Ron Aguilar | Qual'ed FY0 8/11/2005 | | |
| | Fire Suppression Water Supply System ^A | Yes | John Fredlund | 7/27/06 | Gerald Merkey | Qual'ed FY0 7/21/2005 | | |
| | Criticality Alarm System ^A | Yes | John Fredlund | 7/27/06 | Ron Aguilar | Qual'ed FY0 8/11/2005 | | |
| | Ventilation System ^A | Yes | John Fredlund | 7/27/06 | Doug Bailey | Qual'ed FY0 8/9/2005 | March '05 | |
| | Oxygen Monitoring System ^A | Yes | John Fredlund | 7/27/06 | Tom McNaughton | Qual'ed FY 0 9/18/2005 | | April '06 |
| | Chlorine Gas Delivery System ^A | Yes | John Fredlund | 7/27/06 | Devin Gray | Qual'ed FY0 8/17/2005 | | April '06 |

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|------------------|--|-----|---------------|---------|-----------------|-----------------------|---------------|-----------|
| | Chemical Storage Tank Berms ^P | No | John Fredlund | 7/27/06 | N/A | N/A | | |
| | Vault Racks and Shelving ^P | No | John Fredlund | 7/27/06 | N/A | N/A | | |
| | Aqueous Scrap Recovery Argon Flux ^A | Yes | John Fredlund | 7/27/06 | Mary Ann Reimus | T&Q In Progress | | |
| | Lightning Protection | No | John Fredlund | 7/27/06 | N/A | N/A | October '05 | |
| | Gloveboxes | Yes | John Fredlund | 7/27/06 | David Rael | T&Q In Progress | | April '06 |
| | Uninterruptible Power Supply ^A | Yes | John Fredlund | 7/27/06 | G.A. Harrison | Qual'ed FY 08/16/2005 | September '05 | |
| LANL RANT TA-54 | Fire Suppression System ^A | Yes | John Fredlund | 7/27/06 | Steve Francis | Qual'ed FY 08/3/2005 | April '05 | |
| | TRU Waste Container | Yes | John Fredlund | 7/27/06 | N/A | N/A | | |
| | Building TA-54-38 Structure ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | | |
| | TRUPACT II and Half PACT Containers ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | | |
| | Certified Sealed Sources in Pipe Overpack ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | | |
| | Lightning Protection | No | John Fredlund | 7/27/06 | N/A | N/A | October '05 | |
| | Building TA-54-38 Interior Fire Barrier ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | March '06 | |
| | Bridge Crane and Rigging ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | | |
| LANL TWISP TA-54 | Pad 2 Dirt Overburden ^P | Yes | | | N/A | N/A | | |
| | Overpack Containers for drums with >300PE-Ci ^P | Yes | | | N/A | N/A | | |
| | Tie-Down for transfer of drums with >300PE-Ci ^P | Yes | | | N/A | N/A | | |
| | Building 54-33 Automatic Fire Detection and Notification System ^A | Yes | | | Steve Francis | Qual'ed FY 08/3/2005 | August '05 | |
| | Nitrogen Purge Subsystem of the DVS in Building 54-33 ^A | Yes | | | Steve Francis | Qual'ed FY 09/23/2005 | | |
| | Building 54-33 Fire Sprinkler System ^A | Yes | | | Steve Francis | Qual'ed FY 08/3/2005 | August '05 | |
| | Waste Containers ^P | Yes | | | N/A | N/A | | |
| | Lightning Protection System ^P | Yes | | | N/A | N/A | | |
| | Dome Door Restraints ^P | Yes | | | N/A | N/A | | |
| | Pad 2 Fire Walls (Dirt located between cells of drums on the Waste Pad) ^P | Yes | | | N/A | N/A | | |

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|------------------------------------|---|-----|---------------|---------|------------------|---------------------------|-------------|--|
| | Drum Venting System Containment Vessel and Non-Sparking Drill Bits ^P | Yes | | | N/A | N/A | | |
| LANL WCRRF TA-50, Bldg 69 | HIVAC System ^A | Yes | John Fredlund | 7/27/06 | Chris Fischahs | Qual'ed FY05 7/26/2005 | August '05 | |
| | Automatic Alarm from the Building TA50-09 Fire Sprinkler System to the Central Alarm Station ^A | Yes | John Fredlund | 7/27/06 | Chris Fischahs | Qual'ed FY05 7/28/2005 | August '05 | |
| | Building TA50-69 Automatically Actuated Fire Sprinkler System ^A | Yes | John Fredlund | 7/27/06 | Chris Fischahs | Qual'ed FY05 7/28/2005 | August '05 | |
| | Continuous Air Monitoring System ^A | Yes | John Fredlund | 7/27/06 | Chris Fischahs | Qual'ed FY05 7/26/2005 | August '05 | |
| | Building Confinement (Doors) ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | | |
| | Gloveboxes ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | | |
| LANL WETF TA-16, Bldg 205 | Tritium Monitoring System ^A | Yes | John Fredlund | 7/27/06 | Stuart Bloom | Qual'ed FY05 7/18/2005 | | |
| | Environmental Chamber Over-Temperature Protection Control ^A | Yes | John Fredlund | 7/27/06 | Al Medendorp | Qual'ed FY05 7/19/2005 | | |
| | Inert-Oxygen Monitoring System ^A | Yes | John Fredlund | 7/27/06 | Stuart Bloom | Qual'ed FY05 7/18/2005 | | |
| | Tritium Gas Handling System ^{A,P} | Yes | John Fredlund | 7/27/06 | Cathy Grastataro | Qual'ed FY05 7/19/2005 | | |
| | Tritium Gas Containment System ^A | Yes | John Fredlund | 7/27/06 | Cathy Grastataro | Qual'ed FY05 7/19/2005 | | |
| | Room 110 Halon System ^A | Yes | John Fredlund | 7/27/06 | Larry Johnson | T&Q In Progress | | |
| | Wet-pipe Fire Sprinkler System ^A | Yes | John Fredlund | 7/27/06 | Larry Johnson | T&Q In Progress | | |
| | Uninterruptible Power Supply ^A | Yes | John Fredlund | 7/27/06 | Stuart Bloom | Qual'ed FY05 | | |
| | Tritium Waste Treatment System ^A | Yes | John Fredlund | 7/27/06 | Mark Bibeault | Qual'ed FY05 8/23/2005 | | |
| | Containment Vessels ^P | | John Fredlund | 7/27/06 | Mark Bibeault | N/A | | |
| | Lightning Protection | No | John Fredlund | 7/27/06 | N/A | N/A | October '05 | |
| | Facility Structures ^P | Yes | John Fredlund | 7/27/06 | Larry Johnson | N/A | | |

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|---------------------------------------|--|-----|---------------|---------|--------------|---------------------------|-------------|------------|
| LANL TA-54 Area G | Banding for drums on pallets | No | John Fredlund | 7/27/06 | N/A | N/A | August '05 | |
| | Vehicle Crash Barriers | No | John Fredlund | 7/27/06 | N/A | N/A | August '05 | |
| | SeaLand Containers | No | John Fredlund | 7/27/06 | N/A | N/A | August '05 | |
| | Metal TRU Waste Containers ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | August '05 | |
| | Waste Storage Dome Structural Integrity ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | | |
| | Dome Door Restraints ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | | |
| | Lightning Protection | No | John Fredlund | 7/27/06 | | N/A | October '05 | |
| | HEPA Filters for Low Level Radioactive Waste Compaction ^P | Yes | John Fredlund | 7/27/06 | N/A | N/A | | |
| LANL LANSCE TA-53, 1L Target | MPP-7 Ventilation System and HEPA Filter ^A | Yes | John Fredlund | 7/27/06 | Roger Cardon | Qual'ed FY05 8/18/2005 | | August '06 |
| | Radiation Detector and Alarm System ^A | Yes | John Fredlund | 7/27/06 | Jim Sturrock | Qual'ed FY05 8/18/2005 | | August '06 |
| | Radiation Security System (includes fusible beam plugs and redundant flow switches) ^A | Yes | John Fredlund | 7/27/06 | Jim Sturrock | Qual'ed FY05 8/18/2005 | | August '06 |

Institutionalization of the Phase II Safety system assessment process at LANL:

LASO has implemented the following management procedure identifying roles, responsibilities, and processes for performing safety system oversight: MP 06.02, Rev. 0, *Safety System Oversight*, dated March 6, 2006. LANL has developed a draft procedure that has not been implemented, and is planning to do several assessments by the end of 2006.

Lawrence Livermore National Laboratory

| Site and Facility | <p>Vital Safety System</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><u>Legend</u> Red – Safety Class SSC Blue – Safety Significant SSC Black – Other Defense-In-Depth SSC Superscript ^A – Active safety system Superscript ^P – Passive Safety System</p> </div> | Is the system on a list of safety systems that is under document control? (Yes or No) | Identify the Site Office SSO lead person assigned to the system | Provide verification that the lead SSO has been qualified in accordance with Section 1, Safety System Oversight, of DOE M 426.1-1A (Qualified), or the date by which the SSO will be fully qualified (mm/dd/yy) | Identify the contractor lead System Engineer (SE) assigned to the system | Provide verification that the lead SE has been qualified in accordance with section 4.5, System Engineer Program, of the DOE O 420.1A Contractor Requirements Document (Qualified), or the date by which the SE will be fully qualified (mm/dd/yy) | Date of Last Phase II Assessment Performed for this System | Date of Next Phase II Assessment Scheduled for this System |
|-------------------|--|---|---|---|--|--|--|--|
| LLNL Bldg 693 | B693 Fire Suppression System ^A | Yes | Shaun Kesterson | 08/06/07 | Karen Doiron | Qualified 11/18/04 | 12/2004 | 3/07 |
| LLNL Bldg 331 | Tritium Gloveboxes ^P | Yes | John Retelle | 04/30/07 | Keith Wilson | 04/07* | 03/2005** | 3 rd Quarter FY 07 |
| | Elemental and Isotopic Laboratory Glovebox ^P | Yes | John Retelle | 04/30/07 | Keith Wilson | 04/07* | Prior to Operation | Prior to Operation |
| | Elemental and Isotopic Laboratory Glovebox Exhaust HEPA Filter ^P | Yes | John Retelle | 04/30/07 | Paul Densley | 04/07* | Prior to Operation | Prior to Operation |
| | Continuous Air Monitoring ^A | Yes | John Retelle | 04/30/07 | Paula Tate | 04/07* | 03/2005** | 1 st Quarter FY 08 |
| LLNL Bldg 239 | Interlock Switches and Gates ^A | Yes | John Retelle | 04/30/07 | James Fugina | 04/07* | 03/2005** | 2 nd Quarter FY 07 |
| | Daisy chain key actuated ^A | Yes | John Retelle | 04/30/07 | James Fugina | 04/07* | 03/2005** | 2 nd Quarter FY 07 |
| | Radiation Monitors and warning lights ^A | Yes | John Retelle | 04/30/07 | James Fugina | 04/07* | 03/2005** | 2 nd Quarter FY 07 |
| LLNL Bldg 332 | Final HEPA Filters ^P | Yes | John Retelle | 04/30/07 | Paul Densley | 04/07* | 08/2005 | 1 st Quarter FY 07 |

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|---|---|-----|-----------------|----------|-------------------------|--------------------|-----------|-------------------------------|
| | Room Ventilation System Increments 1 and 3 ^A | Yes | John Retelle | 04/30/07 | Dyle Acker/Paul Densley | 04/07* | 08/2005 | 4 th Quarter FY 06 |
| | Glovebox Exhaust System ^A | Yes | John Retelle | 04/30/07 | Omar Hernandez | 04/07* | 08/2005 | 1 st Quarter FY 08 |
| | Emergency Electric Power System ^A | Yes | John Retelle | 04/30/07 | Paul Swyers | 04/07* | 08/2005 | 2 nd Quarter FY 07 |
| | Fire Suppression/Detection System ^A | Yes | John Retelle | 04/30/07 | Bob Simonds | 04/07* | 08/2005 | 2 nd Quarter FY 08 |
| | Building Structure ^P | Yes | John Retelle | 04/30/07 | Madhu Kamath | 04/07* | 08/2005 | 3 rd Quarter FY 07 |
| | Continuous Air Monitoring System ^A | Yes | John Retelle | 04/30/07 | Paula Tate | 04/07* | 08/2005 | 4 th Quarter FY 07 |
| | Hydrogen Gas System ^A | Yes | John Retelle | 04/30/07 | John Kerns | 04/07* | 08/2005 | 3 rd Quarter FY 08 |
| | Gloveboxes ^P | Yes | John Retelle | 04/30/07 | Beverly Hobson | 04/07* | 08/2005 | 3 rd Quarter FY 07 |
| | Toxic Gas Monitor and Alarm System ^A | Yes | John Retelle | 04/30/07 | John Kerns | 04/07* | 08/2005 | 3 rd Quarter FY 08 |
| | Fire Alarm and Detection ^A | Yes | John Retelle | 04/30/07 | Paul Swyers | 04/07* | 08/2005 | 4 th Quarter FY 07 |
| | Glovebox Nitrogen Supply System ^A | Yes | John Retelle | 04/30/07 | Jim Fox | 04/07* | 08/2005 | 3 rd Quarter FY 08 |
| | Glovebox Argon Supply System ^A | Yes | John Retelle | 04/30/07 | Jim Fox | 04/07* | 08/2005 | 3 rd Quarter FY 08 |
| | Criticality Alarm System ^A | Yes | Mark Lee | 04/30/06 | Ed Orham | 04/07* | 05/2005 | 11/2006 |
| | Emergency Battery Lights ^A | Yes | John Retelle | 04/30/07 | Paul Swyers | 04/07* | 08/2005 | 4 th Quarter FY 07 |
| LLNL Bldg 334 | Building Structure Encompassing High Bays ^P | Yes | John Retelle | 04/30/07 | Madhu Kamath | 04/07* | 03/2005** | 3 rd Quarter FY 07 |
| | HEPA Filters and Associated Ducting ^P | Yes | John Retelle | 04/30/07 | Paul Densley | 04/07* | 03/2005** | 3 rd Quarter FY 07 |
| | Continuous Air Monitoring ^A | Yes | John Retelle | 04/30/07 | Paula Tate | 04/07* | 03/2005** | 3 rd Quarter FY 07 |
| LLNL Area 612 (RHWM); includes Bldg 625 | B612-4 Fire Suppression System ^A | Yes | Shaun Kesterson | 08/06/07 | Karen Doiron | Qualified 7/8/05 | 03/2006 | 03/2009 |
| | B625 Fire Suppression System ^A | Yes | Shaun Kesterson | 08/06/07 | Karen Doiron | Qualified 07/08/05 | 12/2004 | 06/2006 |
| | B612 Fire Suppression System ^A | Yes | Shaun Kesterson | 08/06/07 | Karen Doiron | Qualified 03/21/06 | 12/2004 | 09/2006 |

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|--|---|-----|-----------------|----------|------------------|-----------------------|-----------------------|-----------------------|
| LLNL Bldg 696 (includes 696R and 696S) | B696 Glovebox Flow Alarm | Yes | Shaun Kesterson | 08/06/07 | Harold Rogers | 08/06/07 | Prior to Operation | Prior to Operation |
| | B-696 Glovebox ^P | Yes | Shaun Kesterson | 08/06/07 | Harold Rogers | Qualified 01/03/05 | 01/2006 | Prior to Operation |
| | B-696 Fire Suppression System ^P | Yes | Shaun Kesterson | 08/06/07 | Karen Doiron | Qualified 07/08/07 | 12/2004 | 06/2007 |
| LLNL Bldg 695 | B-695 Chopper/Shredder Flow Alarm | Yes | Shaun Kesterson | 08/06/07 | Dave Larsen | 08/05/07 | Prior to Operation | Prior to Operation |

*NMTP has rebaselined their Cognizant System Engineering Training Program and requires all CSEs to retake all training. Currently all CSEs are facility qualified.

** Initial configuration management and operability assessment performed

Institutionalization of the Phase II Safety system assessment process at LLNL:

With the implementation of DOE Order 420.1A, *Facility Safety*, the Phase II Safety system Assessment Process will be institutionalized at Lawrence Livermore National Laboratory (LLNL). As part of the implementation plan for the Cognizant System Engineer Program, LLNL has committed to the use of Phase II type assessment criteria and approach documents and these requirements will be included in the LLNL institutional ES&H Manual.

Nevada Test Site

| Site and Facility | <p>Vital Safety System</p> <div data-bbox="251 515 578 796" style="border: 1px solid black; padding: 5px;"> <p><u>Legend</u> Red – Safety Class SSC Blue – Safety Significant SSC Black – Other Defense-In-Depth SSC Superscript ^A – Active safety system Superscript ^P – Passive Safety System</p> </div> | Is the system on a list of safety systems that is under document control? (Yes or No) | Identify the Site Office SSO lead person assigned to the system | Provide verification that the lead SSO has been qualified in accordance with Section 1, Safety System Oversight, of DOE M 426.1-1A (Qualified), or the date by which the SSO will be fully qualified (mm/dd/yy) | Identify the contractor lead System Engineer (SE) assigned to the system | Provide verification that the lead SE has been qualified in accordance with section 4.5, System Engineer Program, of the DOE O 420.1A Contractor Requirements Document (Qualified), or the date by which the SE will be fully qualified (mm/dd/yy) | Date of Last Phase II Assessment Performed for this System | Date of Next Phase II Assessment Scheduled for this System |
|-------------------------------------|---|---|---|---|--|--|--|--|
| NTS Generic Sub Critical Experiment | Certified Crane ^A | Yes | John Robson | 08/07 (Projected) | Robert Miller (for the UNICORN project) | Qualified | None – Project Specific use for Limited-lifetime Nuclear Activities. | None – Project Specific use for Limited-lifetime Nuclear Activities. |
| NTS DAF | Blast Valves ^A | Yes | William Pulse | 08/07 (Projected) | Randy Blair | Qualified | None. Pending Safety Bases Implementation | 9/06 |
| | Blast Doors and Interlocks ^A | Yes | William Pulse | 08/07 (Projected) | Jim Pedalino | Qualified | 11/05 Report Pending | 9/06 |
| | Fire Suppression System ^A | Yes | Brian Fiscus | 08/07 (Projected) | Russ Svab | Qualified | 11/05 Report Pending | 9/06 |

| | | | | | | | |
|---|-----|----------------|-------------------|--------------|-----------------------------|----------------------|-------|
| Radiography Safety System ^A | Yes | Thomas Enyeart | 08/07 (Projected) | Joe Dumas | Qual Card Under Development | 11/05 Report Pending | 12/06 |
| Emergency Lighting System ^A | Yes | Kevin Thornton | 08/07 (Projected) | Joe Dumas | Qual Card Under Development | None. | 12/06 |
| HEPA Filtered Ventilation System ^A | Yes | Howard Goldin | 08/07 (Projected) | Randy Blair | Qualified | 11/05 Report Pending | 12/06 |
| Uninterruptible Power Supply (UPS) ^A | Yes | Kevin Thornton | 08/07 (Projected) | Joe Dumas | Qual Card Under Development | None. | 12/06 |
| Backup Diesel Generator ^A | Yes | Kevin Thornton | 08/07 (Projected) | Joe Dumas | Qual Card Under Development | None. | 3/07 |
| Building Ventilation ^A | Yes | Thomas Enyeart | 08/07 (Projected) | Randy Blair | Qualified | None. | 3/07 |
| Dock Leveler ^A | Yes | Xavier Aponte | 08/07 (Projected) | WaltWolak | Qual Card Under Development | None. | 3/07 |
| Glovebox Pressure Control System ^A | Yes | Eric Amarescu | 08/07 (Projected) | Joe Calovini | Qualified | None. | 12/06 |
| RAMS/HVAC Interlock ^A | Yes | Thomas Enyeart | 08/07 (Projected) | Randy Blair | Qualified | None. | 3/07 |
| Fire Detection and Alarm ^A | Yes | Brian Fiscus | 08/07 (Projected) | Russ Svab | Qualified | None. | 3/07 |
| Forklift Dead-man Switch ^A | Yes | Xavier Aponte | 08/07 (Projected) | WaltWolak | Qual Card Under Development | None. | 3/07 |
| Downdraft Table Confinement Ventilation System ^A | Yes | Eric Amarescu | 08/07 (Projected) | Joe Calovini | Qualified | None. | 12/06 |

Institutionalization of the Phase II Safety system assessment process at LLNL:

Phase II Assessments are institutionalized at the Nevada Site Office via the NV M 426.X-1, Safety System Oversight Program. The Manual contains the requirement, amongst others, for an annual formal assessment using the CRADS developed by the SSO Program Manager. These CRADS incorporate the criteria identified in the VSS Phase II CRADS and also incorporates requirements from DOE O 420.1B, DOE O 5480.20A, DOE O 433.1, DOE G 433.1-1, and DOE O 5480.19. These assessments will be documented in a formal report to be distributed as necessary.

Pantex report is classified as UCNI.

If you wish to see the information,

contact Rick Kendall 301-903-3102

or

Sam Johnson 301-903-5220.

Sandia National Laboratory

| <p>Site and Facility</p> | <p>Vital Safety System</p> <div data-bbox="257 558 585 839" style="border: 1px solid black; padding: 5px;"> <p><u>Legend</u> Red – Safety Class SSC Blue – Safety Significant SSC Black – Other Defense-in-Depth SSC Superscript ^A – Active safety system Superscript ^P – Passive safety System</p> </div> | <p>Is the system on a list of safety systems that is under document control? (Yes or No)</p> | <p>Identify the Site Office SSO lead person assigned to the system</p> | <p>Provide verification that the lead SSO has been qualified in accordance with Section 1, Safety System Oversight, of DOE M 426.1-1A (Qualified), or the date by which the SSO will be fully qualified (mm/dd/yy)</p> | <p>Identify the contractor lead System Engineer (SE) assigned to the system</p> | <p>Provide verification that the lead SE has been qualified in accordance with section 4.5, System Engineer Program, of the DOE O 420.1A Contractor Requirements Document (Qualified), or the date by which the SE will be fully qualified (mm/dd/yy)</p> | <p>Date of Last Phase II Assessment Performed for this System</p> | <p>Date of Next Phase II Assessment Scheduled for this System</p> |
|---------------------------------|--|---|---|---|--|--|--|--|
| <p>SNL ACRR</p> | <p>Plant Protect System (PPS), (MPS, Drawers, Detectors)^A</p> | <p>Yes</p> | <p>Larry Linik</p> | <p>03/28/06</p> | <p>Ken Mulder</p> | <p>12/30/05</p> | | <p>07/28/06</p> |
| | <p>Fuel Matrix/Fuel Element Design (PPS – HE's)^P</p> | <p>Yes</p> | <p>Larry Linik</p> | <p>03/28/06</p> | <p>Ken Mulder</p> | <p>12/30/05</p> | | <p>10/31/06</p> |
| | <p>Instrumentation and Control (DAC2-Interlocks, DAC4-Wide Range, DAC5-BOI)^A</p> | <p>Yes</p> | <p>Larry Linik</p> | <p>03/28/06</p> | <p>Robert Zaring</p> | <p>12/30/05</p> | | <p>07/28/06</p> |
| | <p>Reactivity Control System (Rod Control System and DAC1)^A</p> | <p>Yes</p> | <p>Larry Linik</p> | <p>03/28/06</p> | <p>Robert Zaring</p> | <p>12/30/05</p> | | <p>04/28/07</p> |
| | <p>Instrumentation and Control (Wide Range)^A</p> | <p>Yes</p> | <p>Larry Linik</p> | <p>03/28/06</p> | <p>Ken Mulder</p> | <p>12/30/05</p> | | <p>01/31/07</p> |
| | <p>ACRR Storage Pool and Water^P</p> | <p>Yes</p> | <p>M. Ortega</p> | <p>N/A</p> | <p>N/A</p> | <p>N/A</p> | | |
| | <p>Fuel Matrix^P</p> | <p>Yes</p> | <p>M. Ortega</p> | <p>N/A</p> | <p>N/A</p> | <p>N/A</p> | | |

| | | | | | | | | |
|------------|--|-----------|------------------------|----------|----------------|----------|-----|----------|
| | Fuel Element Cladding ^P | Yes | M. Ortega | N/A | N/A | N/A | | |
| | Core Configuration, including Nickel Reflectors ^P | Yes (DSA) | M. Ortega | N/A | N/A | N/A | | |
| | Cavity Purge System ^A | Yes | M. Ortega | 08/30/06 | Brent Melville | 09/30/06 | | 07/28/06 |
| SNL GIF | Cell Source Elevator Power Interrupt System (Circuit) ^A | Yes | L. Linik | 03/28/06 | Ken Mulder | 12/30/05 | | 01/31/07 |
| | Cell RAMS System ^A | Yes | L. Linik | 03/28/06 | Robert Zaring | 09/30/04 | | 01/31/07 |
| | GIF Storage Pool and Water ^P | Yes | M. Ortega | N/A | N/A | N/A | | |
| | Source Transfer Cask Shielding ^P | Yes | M. Ortega | N/A | N/A | N/A | | |
| | Sealed Source Stainless Steel Capsule ^P | Yes | M. Ortega | N/A | N/A | N/A | | |
| | Irradiation Cell Shielding ^P | Yes | M. Ortega | N/A | N/A | N/A | | |
| | Elevator Drive Control System (Control System-Cell Source Elevator Drive System) ^A | Yes | L. Linik | 03/28/06 | Ken Mulder | 12/30/05 | | 04/28/07 |
| SNL SPR | Plant Protect System, Manual Scram Switch ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| | Plant Protect System, NV Scram Detectors ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| | Plant Protect System, Thermocouples ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| | Plant Protect System, PPS Channels ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| | Plant Protect System, Magnet Power Supply ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| | U-10 Moly Fuel Matrix ^P | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| | Control/Pulse Element System ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| | Nuclear Instrumentation: Start-Up System, Linear Power-Level Systems, & Period Measuring System ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| | Reactor Control System: Interlocks and Bypasses ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |

| | | | | | | | | |
|-------------|---|-----|---------------------------|----------|----------------------|----------|-----|----------|
| | Reactivity Control System: Control Element Control Panel ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| | Reactor Room Ventilation and Exhaust Systems ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| | Neutron Start-Up Source ^A | Yes | L. Linik and M. Ortega | N/A | John Ford | N/A | N/A | N/A |
| SNL AHCF | Ventilation System including Fans, Filters, and Ductwork ^A | Yes | M. Ortega | 08/30/06 | Cassandra Montano | 09/30/06 | | 10/31/07 |

*1 Due to the limited life of the SPRF it was determined that implementation of a Safety System Oversight Program and a Cognizant System Engineering program would not be beneficial. However, systems will still be monitored using a graded approach while in operations.

Institutionalization of the Phase II Safety system assessment process at SNL:

SNL has institutionalized the VSS assessment process with the following Technical Area V administrative instructions:
 "TA-V Vital Safety System Assessments," institutionalizes the 2000-2 CRADs,
 "Cognizant System Engineer Program," establishes roles, responsibilities and interfaces for the TA-V CSEs, and
 "Cognizant System Engineer Training and Qualification Program."

Savannah River Site

| Site and Facility | <p>Vital Safety System</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><u>Legend</u> Red – Safety Class SSC Blue – Safety Significant SSC Black – Other Defense-In-Depth SSC Superscript ^A – Active safety system Superscript ^P – Passive Safety System</p> </div> | Is the system on a list of safety systems that is under document control? (Yes or No) | Identify the Site Office SSO lead person assigned to the system | Provide verification that the lead SSO has been qualified in accordance with Section 1, Safety System Oversight, of DOE M 426.1-1A (Qualified), or the date by which the SSO will be fully qualified (mm/dd/yy) | Identify the contractor lead System Engineer (SE) assigned to the system | Provide verification that the lead SE has been qualified in accordance with section 4.5, System Engineer Program, of the DOE O 420.1A Contractor Requirements Document (Qualified), or the date by which the SE will be fully qualified (mm/dd/yy) | Date of Last Phase II Assessment Performed for this System | Date of Next Phase II Assessment Scheduled for this System |
|-------------------|--|---|---|---|--|--|--|--|
| SRS Bldg 217 | HIVES ^P | Yes | J. A. Guerry | 05/31/07 | G. E. Bishop | Qualified | N/A – Note 1 | N/A – Note 1 |
| | Vault Fire Walls ^P | Yes | J. A. Guerry | 05/31/07 | W. B. Till | Qualified | N/A – Note 1 | N/A – Note 1 |
| | Vault Exhaust Damper ^A | Yes | J. A. Guerry | 05/31/07 | M. L. Howze | Qualified | N/A – Note 2 | N/A – Note 5 |
| SRS Bldg 232-H | Exhaust Ventilation System ^A | Yes | J. A. Guerry | 05/31/07 | M. L. Howze | Qualified | N/A – Note 2 | N/A – Note 3 |
| | Fire Suppression System ^A | Yes | J. A. Guerry | 05/31/07 | W. B. Till | Qualified | N/A – Notes 2 & 6 | N/A – Note 3 |
| | Hood Kannes ^A | Yes | J. A. Guerry | 05/31/07 | D. Nguyen | Qualified | N/A – Note 2 | N/A – Note 3 |
| | Building Structure ^P | Yes | J. A. Guerry | 05/31/07 | G. E. Bishop | Qualified | N/A – Note 1 | N/A – Note 1 |
| | Process Hoods ^P | Yes | J. A. Guerry | 05/31/07 | Bishop/Howze | Qualified | N/A – Note 1 | N/A – Note 1 |
| SRS Bldg 234-H | Hood Kannes ^A | Yes | J. A. Guerry | 05/31/07 | D. Nguyen | Qualified | N/A – Note 2 | N/A – Note 5 |
| | Fire Suppression System ^A | Yes | J. A. Guerry | 05/31/07 | W. B. Till | Qualified | N/A – Notes 2 & 6 | N/A – Note 5 |

| | | | | | | | | |
|--|---|--------------|--------------|----------------|-----------------|--------------|-------------------|--------------|
| SRS Bldg 233- H | Exhaust Ventilation System ^A | Yes | J. A. Guerry | 05/31/07 | M. L. Howze | Qualified | N/A - Note 2 | N/A - Note 5 |
| | Building Structure ^P | Yes | J. A. Guerry | 05/31/07 | G. E. Bishop | Qualified | N/A - Note 1 | N/A - Note 1 |
| | Process Hoods ^P | Yes | J. A. Guerry | 05/31/07 | Bishop/Howze | Qualified | N/A - Note 1 | N/A - Note 1 |
| | Fire Suppression System ^A | Yes | J. A. Guerry | 05/31/07 | C. S. Maciaszek | Qualified | N/A - Note 4 | N/A - Note 5 |
| | Exhaust Ventilation Flow Monitor ^A | Yes | J. A. Guerry | 05/31/07 | M. L. Howze | Qualified | N/A - Note 4 | N/A - Note 5 |
| | Environmental Chamber #1 Heater High Temperature Interlock ^A | Yes | J. A. Guerry | 05/31/07 | J. C. Rivers | Qualified | N/A - Note 4 | N/A - Note 5 |
| | Room Air Monitoring ^A | Yes | J. A. Guerry | 05/31/07 | D. Nguyen | Qualified | N/A - Note 4 | N/A - Note 5 |
| | Fire Suppression System ^A | Yes | J. A. Guerry | 05/31/07 | W. B. Till | Qualified | N/A - Notes 2 & 6 | N/A - Note 5 |
| | Room Air Monitoring ^A | Yes | J. A. Guerry | 05/31/07 | D. Nguyen | Qualified | N/A - Note 2 | N/A - Note 5 |
| | Environmental Conditioning Electrical Equipment and PLC ^A | Yes | J. A. Guerry | 05/31/07 | G. A. Mathues | Qualified | N/A - Note 2 | N/A - Note 5 |
| Environmental Conditioning Enclosure Monitoring ^A | Yes | J. A. Guerry | 05/31/07 | J. R. Quarles | Qualified | N/A - Note 2 | N/A - Note 5 | |
| Glovebox Oxygen Monitoring ^A | Yes | J. A. Guerry | 05/31/07 | J. R. Quarles | Qualified | N/A - Note 2 | N/A - Note 5 | |
| Exhaust Ventilation System ^A | Yes | J. A. Guerry | 05/31/07 | M. L. Howze | Qualified | N/A - Note 2 | N/A - Note 5 | |
| Reservoirs ^P | Yes | J. A. Guerry | 05/31/07 | Design Agency | ---- | N/A - Note 1 | N/A - Note 1 | |
| Building Structure ^P | Yes | J. A. Guerry | 05/31/07 | G. E. Bishop | Qualified | N/A - Note 1 | N/A - Note 1 | |
| Process Gloveboxes ^P | Yes | J. A. Guerry | 05/31/07 | J. M. Ferguson | Qualified | N/A - Note 1 | N/A - Note 1 | |
| Pipe Jackets ^P | Yes | J. A. Guerry | 05/31/07 | J. M. Ferguson | Qualified | N/A - Note 1 | N/A - Note 1 | |
| Stripper Header ^P | Yes | J. A. Guerry | 05/31/07 | J. M. Ferguson | Qualified | N/A - Note 1 | N/A - Note 1 | |
| Environmental Chamber Enclosures (vibration and Centrifuge) ^P | Yes | J. A. Guerry | 05/31/07 | G. A. Mathues | Qualified | N/A - Note 1 | N/A - Note 1 | |

| | | | | | | | | |
|----------------|--|-----|--------------|----------|----------------|-----------|--------------|--------------|
| | STCS (Seismic Tritium Confinement System) ^A | Yes | J. A. Guerry | 05/31/07 | G. A. Mathues | Qualified | N/A – Note 2 | N/A – Note 5 |
| | Glovebox Stripper System ^A | Yes | J. A. Guerry | 05/31/07 | J. M. Ferguson | Qualified | N/A – Note 2 | N/A – Note 5 |
| SRS Bldg 295-H | Stack ^P | Yes | J. A. Guerry | 05/31/07 | M. L. Howze | Qualified | N/A – Note 1 | N/A – Note 1 |
| SRS Bldg 296-H | Stack ^P | Yes | J. A. Guerry | 05/31/07 | M. L. Howze | Qualified | N/A – Note 1 | N/A – Note 1 |

Notes:

1. Per Steven V. Cary memorandum, *Clarification of the Term "Vital Safety System" under Implementation Plan for DNFSB 2000-2, Configuration Management, Vital Safety Systems*, dated March 19, 2001, passive systems are not included in the scope of DNFSB 2000-2.
2. The results of the Phase I assessment for this system was documented in R. A. Pedde letter WSR-2001-00043, *2000-2 Phase II Path Forward*, dated October 5, 2001. The system condition was determined to be good; therefore, no Phase II assessment was required.
3. Because 232-H is in a deactivated mode, no further assessments of its designated vital safety systems will be performed.
4. Startup of Building 234-7H did not occur until 2004; therefore no initial assessment was performed.
5. A Phase II assessment for this system is not required; however, Washington Savannah River Company (WSRC) maintains a System Health Report for this system.
6. Although not required, a Phase II assessment for the fire suppression system water supply was performed jointly by WSRC and SRSO; the results of this assessment were transmitted via Hunemuller letter RB-02-0072, *Transmittal of H-Area Fire Protection Water Supply Phase II Assessment Final Report*, dated May 14, 2002.

Institutionalization of the Phase II Safety system assessment process at SRS:

WSRC has institutionalized their assessment process for SC and SS structures, systems, and components through WSRC E7, *Conduct of Engineering and Technical Support Procedure Manual*, procedure 3.04, *SSC Performance Monitoring*. WSRC Defense Programs presents the results of the assessments associated with the SS systems in Tritium per a published schedule, which is available on a local server. SRSO performs routinely scheduled Vital Safety System assessments per procedure SV-PRO-008, *Vital Safety System Assessments*, and documents the results in the DOE-SR electronic database called the Site Issues Management and Technical Assessment System (SIMTAS).

Y-12 report is for Official Use Only.

For additional information, contact

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or

Sam Johnson 301-903-5220.