DOE F 1325.8

United States Government | Department of Energy (DOE)

memorandum

Savannah River Operations Office (SR)

DATE: APR 20 2012

REPLY TO ATTN OF: AMNMSP (N. Shepard, 803-208-3618)

SUBJECT: Periodic Review of Non-Destructive Assay (NDA) Holdup Measurement Programs

TO: Matthew B. Moury, Deputy Assistant Secretary for Safety, Security, and Quality Programs (EM-40), HQ

In response to your memorandum of April 4, 2012, attached is a copy of the Assistant Manager for Nuclear Materials Stablization Project's (AMNMSP) Annual Assessment Plan (AAP). The AAP documents an assessment of the NDA Measurements of Potential Fissile Material Accumulations in HB-Line which is scheduled to be completed by June 29, 2012. This information has been provided to Dr. Robert Wilson of the Office of Safety Management (EM-41)

If you have any questions, please call me or have your staff contact Norman Shepard of my staff at (803) 208-3618.

David C. Moody

David C. Moody
Manager

NMED:NS:tb

NMED-12-0028

Attachment:
CY12 AMNMSP AAP

cc w/attach:
R Lagdon, S-5, HQ
L. Berg, S-5, HQ
T. LaPointe, EM-41, HQ
R. Wilson, EM-41, HQ

U.S. DEPARTMENT OF ENERGY
SAVANNAH RIVER OPERATIONS OFFICE

ASSISTANT MANAGER FOR NUCLEAR MATERIAL STABILIZATION PROJECT

ANNUAL ASSESSMENT PLAN FOR CALENDAR YEAR 2012

REVISION 2

JANUARY 2012

Developed by:
United States Department of Energy
Savannah River Operations Office

Approved by: _____ Date: 4/16/2012
James D. Kekacs, Acting Assistant Manager for
Nuclear Material Stabilization Project (AMNMSP)

Author: _____ Date: 4/16/2012
Teressa Butler, Program Support Specialist
Nuclear Material Stabilization Project (NMSP)

REVISION LOG

Revision 0	Initial Issue
Revision 1	Independent Assessment DOE-SR Facility Representative (FR) Program due August 31, 2012 NMSP Management Walkthrough's identified as one per year per Division, as defined on page 7, paragraph four.
Revision 2	Criticality Safety Program Assessment of NDA Measurements of Potential Fissile Material Accumulations in HB-Line, at page 18.

1.0 INTRODUCTION

This document is the Assistant Manager for Nuclear Material Stabilization Projects (AMNMSP) Annual Assessment Plan (AAP). This plan outlines the scope of the assessment requirements, describes the approach used to develop the AAP, assigns specific assessment responsibilities, describes the assessment process, and schedules the assessment topics throughout this Calendar Year (CY), in accordance with the Integrated Performance Assurance Manual (IPAM).

1.1 PURPOSE

The AAP provides guidance to NMSP personnel to improve contractor oversight and assure compliance with Department of Energy (DOE) requirements. The AAP is a management tool provided to assign and schedule all required NMSP assessments. Oversight of the contractor's self-assessment program is an integral part of the NMSP Technical Assessment Program.

1.2 SCOPE

This AAP is a plan for the performance of site level, division level and facility-specific assessments and evaluations done in accordance with the requirements of the following Savannah River Implementing Procedures and Manuals:

- SRIP 400, Chapter 430.1 (latest revision), Facility Representative Program
- SRIP 400, Chapter 421.2 DOE-SR Safety System Oversight
- SRIP 400, Chapter 421.1 Nuclear Safety Oversight
- SRM 226-1.1C, Integrated Performance Assurance Manual (IPAM)
- SRM 300.1.1B, DOE-SR Functions, Responsibilities, and Authorities Procedure

1.3 APPROACH

In accordance with the Integrated Safety Management System (ISMS) process, this AAP incorporates lessons learned from the previous year. Programmatic, operations, or other assessments that duplicate assessments should be avoided to minimize redundancy. The AAP considers current and future missions and tailors technical assessments accordingly. The AMNMSP will solicit feedback from both contributing and supporting organizations to improve assessments. Assessments will be scheduled and tracked using the electronic assessment reporting system. Required assessments will be loaded into the electronic assessment reporting system as planned assessments. Technical assessments will be a mixture of planned and reactive. Reactive assessments will be documented in the electronic assessment reporting system. When appropriate, reactive assessments may be substituted for planned assessments.

2.0 ACRONYMS AND DEFINITIONS

2.1 ACRONYMS

AA	Authorization Agreement
AAP	Annual Assessment Plan
AB	Authorization Basis

AMNMSP	Assistant Manager for Nuclear Materials Stabilization Project
ANSI/ANS	American National Standards Institute / American Nuclear Society
APAP	Annual Performance Assurance Plan
CCSP	Contractor Criticality Safety Program
CE	Criticality Engineer
CLAB	F/H Analytical Laboratory
CSP	Criticality Safety Program
CSS	Criticality Safety Staff
CY	Calendar Year
DCA	Double Contingency Analysis
DCP	Double Contingency Principle
DOE	Department of Energy
DOE O	Department of Energy Order
DOE-SR	Department of Energy - Savannah River Operations Office
DOE-STD	Department of Energy Standard
ECATS	Executive Commitment Tracking System
EQMD	Environmental Quality Management Division
EVMS	Earned Value Management System
FAMS	F-Area Materials Storage
FCC	F-Canyon Complex
FE	Facility Engineer
FR	Facility Representative
H-OF	H-Canyon Outside Facilities
HPICF	Health Physics Instrument Calibration Facility
IPAM	Integrated Performance Assurance Manual
ISASS	Integrated Safety Assessment and Self-Assessment Schedule
LOI	Lines of Inquiry
M&O	Management and Operating
MAR	Monthly Assessment Report
MRB	Management Review Board
MW	Management Walkthrough
NCS	Nuclear Criticality Safety
NCSE	Nuclear Criticality Safety Evaluation
NMED	Nuclear Materials Engineering Division
NMOD	Nuclear Materials Operations Division
NMPD	Nuclear Materials Programs Division
NSDS	Nuclear Safety Data Sheet
OAO	Operations Activity Observation
OSQA	Office of Safety and Quality Assurance
PAD	Performance Assurance Division
PAR	Periodic Assessment Report
RBOF	Receiving Basin for Offsite Fuels
RMBL	Radiological Monitoring and Bioassay Laboratory
SAC	Specific Administrative Control
SC	Safety Class
SER	Safety Evaluation Report
USNF	Used Spent Nuclear Fuel

SNM	Spent Nuclear Material
SRIP	Savannah River Implementing Procedure
SS	Safety Significance
SSCs	Structures, Systems, and Components
SSO	Safety System Oversight
SWMF	Solid Waste Management Facility
SWPF	Salt Waste Processing Facility
TPAP	Triennial Performance Assurance Plan
WBCF	Whole Body Count Facility
YTD	Year to Date

2.2 DEFINITIONS

Annual Performance Assurance Plan (APAP) - A plan that schedules core assessments, independent assessments of DOE-SR performance, and DOE-SR-wide self-assessments and identifies focus areas for operational awareness activities for the year.

Assessment Results - the information and conclusions obtained from an assessment, data collection, and analysis includes a categorization of identified issues:

- **Concern** - An indication of a programmatic breakdown or widespread problem supported by several findings or an adverse trend.
- **Deficiency** - An inadequacy or variance of an activity from established requirements, policies, procedures, standards, criteria, or expectations requiring corrective action.
- **Observation** - An identified aspect of performance that is compliant but in need of quality or productivity improvement.
- **Good Practice** - An activity that is performed in a manner warranting emulation, commendation, or application to other problems or facilities.

External Assessments - Reviews that are performed by entities external to DOE-SR.

Internal Assessments - Reviews performed by DOE-SR or support service contractors tasked to perform reviews for DOE-SR. Internal assessments are real-time reviews, either scheduled or unscheduled, of an activity, facility or process against DOE requirements and/or expectations. Internal assessments may be conducted by an individual or a team.

Operation Awareness Activities - Those activities performed by DOE-SR personnel or their support service contractors to maintain cognizance of overall facility or activity status.

Self-Assessment – A review conducted by an organization on itself.

Triennial Performance Assurance Plan (TPAP) - A three-year rolling planning document that includes the current APAP as the first year and serves as the DOE-SR instrument for generating future APAPs.

3.0 RESPONSIBILITIES

3.1 General

AMNMSP provides technical oversight and assessment services, executing line management authority for operations, engineering and programmatic support of FCC, FAMS, H-Canyon, H-OF, HB-Line, C-Area, K-Area, L-Area, CLAB, RMBL, WBCF, RBOF, and the HPICF.

3.2 Oversight

Oversight assessments shall be performed by AMNMSP staff as directed by their supervisor and the results of these assessments will be documented in the electronic assessment reporting system.

Oversight will be accomplished through facility visits, management walkthroughs, programmatic assessments, reactive assessments/project reviews or other operational awareness assessments as determined by the AMNMSP.

NMSP Facility Management Walkthroughs will be performed by GS-15 (and above) personnel and coordinated by the AMNMSP Management Walkthrough Coordinator per the Savannah River IPAM. Facility walkthroughs of Low Hazardous Facilities may be completed by GS-14 (and above) personnel.

Any significant deficiencies that are found will be transmitted to the Division Director. The Division Director, in consultation with the AMNMSP, will determine if the issue will be entered into the electronic assessment reporting system only or require additional action by AMNMSP and the Operating Contractor and may be included in the monthly feedback report and/or the MAR/PAR.

Internal assessments are in accordance with the IPAM, this AAP and the APAP.

3.2.1 Specific responsibilities include:

AMNMSP

The AMNMSP and Deputy Manager have overall responsibility for the NMSP AAP, and support execution of the NMSP AAP by ensuring sufficient resources and management attention is directed to successful completion of all required activities. The AMNMSP periodically monitors AAP execution performance, provides redirection of effort or reallocation of resources as necessary, and participates in the management walkthrough program. Additionally, the AMNMSP and Deputy Manager provide support as needed to assist in other DOE-SR assessment activities, criticality safety oversight support for SRS and site DOE-SR maintenance program support. Finally, they provide support and participate in site-level programs and committees that direct and evaluate DOE-SR assessment performance and results.

NMOD

Operations Division is responsible for Facility Representative assessments to be performed in each facility under the AMNMSP's responsibility.

NMED

Engineering Division responsibilities include oversight of the facility authorization basis, specific administrative controls, safety system oversight, and engineering. In addition, the NMED has

responsibility for the site criticality safety program and the site maintenance program. Technical assessments will be performed for each nuclear facility under AMNMSP's responsibility.

NMPD

Programs Division is responsible for the oversight of financial, schedule, scope and quality assessments. In addition NMPD reviews and approves the Transportation Safety Document and any Onsite Safety Assessments.

Managers (GS-15 and above)

NMSP Division Directors ensure their division's assessments as delineated in this AAP are completed on time and technically adequate. Any identified deficiencies are monitored to adequate closure. The Division Directors may also assign reactive assessments where conditions or circumstances warrant.

NMSP Management (GS-15 and above) will participate in management walkthroughs. The management walkthrough goal is four (4) hours per manager per month for CY12. Management will periodically review completed management walkthrough information to ensure facilities are being assessed.

3.3 AMNMSP SELF-ASSESSMENTS AND INDEPENDENT ASSESSMENTS

3.3.1 Self Assessments: The purpose of the AMNMSP self-assessment program is to establish and implement an effective assessment program in accordance with the IPAM and guidance from the PAD.

The AMNMSP self-assessment program is intended to identify and resolve systemic and cultural organizational issues and problems that may contribute to management expectations not being met. These are internal assessments that generate information on business, quality, operational, and technical performance of NMSP. The PAD will periodically provide analysis of self-assessment results from all DOE-SR organizations. Self-assessment results will be documented in the electronic assessment reporting system and actions in the ECATS.

3.3.2 Independent Assessments: Independent assessments are incorporated into the DOE-SR TPAP.

During CY12, NMSP will identify independent assessment topics for PAD for their consideration per the IPAM. In addition, NMSP will assist the PAD, as needed, in conducting an annual independent assessment of NMSP's organizational self-assessments.

4.0 PROCESS

The following sections describe the process for programmatic, technical, facility representative, and operations assessments:

4.1 ASSESSMENTS

4.1.1 Internal technical assessments will generally be reactive in order to address trends or changing conditions. Special assessments are performed, as needed, based on the AMNMSP direction. All organizational personnel are encouraged to identify assessment topics and lines of inquiry to support emergent programmatic or operational needs. DOE requirements in the assessment areas of Environmental Protection, Research and Development, Experimental Activities, and Safeguards and Security are satisfied by designated Site program organizations in accordance with the IPAM.

Operational, programmatic or project assessments may be scheduled when deemed necessary to support mission requirements, when trends warrant or as directed by the AMNMSP.

4.1.2 NMSP relies on matrix support organizations to perform technical assessments in select assessment areas such as Environmental Protection.

4.1.3 Assessment results are documented in the electronic assessment reporting system per the IPAM and significant results communicated to the M&O contractor during NMSP feedback meetings. Assessments including deficiencies, observations, or good practices for proposed inclusion in the MAR shall be included in the electronic assessment reporting system. The appropriate supervisor reviews the report, modifies the Assessment Summary Statement, as deemed necessary, and determines whether the report should be included in the MAR/PAR and/or forwarded to the MRB for tracking and trending. Only reports that have supervisory approval by the deadline are included in the draft MAR/PAR.

4.1.4 Reactive site-level assessments may be performed to focus on emerging problem areas. These assessments will be performed, documented, and reported in accordance with the process described above. If it is determined to be reasonable, these reactive assessments may be substituted for planned assessments.

4.2 NMOD ASSESSMENTS

4.2.1 The FR for each NMSP facility area develops a periodic facility-specific FR assessment schedule based on the facility activity levels and requirements identified in Attachments 2 and 3. The NMOD Director will ensure facility assessments are properly balanced to ensure effective contractor oversight. The FR performs assigned assessments in accordance with SRIP 400, Chapter 430.1 (latest revision).

4.2.2 The FR will discuss areas of concern with the M&O contractor's facility manager on a regular basis. The FR will also inform the Division Director, NMOD, of any significant assessment results and discuss, if appropriate, during the daily morning phone call.

4.2.3 The FR documents the assessment results in the electronic assessment reporting system in a timely manner (see 4.1.3). Electronic submission of assessment results is sufficient. Assessment deficiencies are documented and tracked on the electronic assessment reporting system.

4.2.4 The FRs will discuss any significant issues with facility management as they are identified or upon completion of an assessment. Discussion of assessment results with the M&O contractor are also done prior to monthly feedback meetings held with the M&O contractor management. Finally, significant assessment deficiencies and observations may be formally transmitted to the M&O contractor through the MAR/PAR process and/or letter (see 4.2.3).

4.2.5 The FR performs supplemental or reactive FR assessments, as necessary. These assessments will be conducted, documented, and reported in accordance with the process described above in 4.1.3 and 4.2.4.

4.3 NMED ASSESSMENTS

4.3.1 SSO assessments will include an SSO evaluation of individual safety-related and important-to-safety SSCs, and the contractor's System Engineering Program in accordance with the IPAM.

4.3.2 Assessments will be conducted on new or modified AB documents, including response plans. On a graded approach, reviews may be done of supporting basis which may include NSDSs, NCSEs, DCAs, supporting calculations, analysis, or other basis documents used in AB documents. Such documents include those that describe the facility, establish SSC operating parameters, identify hazards, establish controls and document the adequacy of AB documentation to ensure reasonable assurance of safety. An SER will be written for AB documents approved by the DOE-SR manager.

4.3.3 The NMED FEs will perform assessments of SAC implementation for new SACs.

4.3.4 SRM 300.1.1B, "DOE-SR Functions, Responsibilities, and Authorities Procedure," assigns the primary responsibility of the Site Criticality Safety Program direction and oversight to the NMSP organization. Accordingly, this plan includes the assessment requirements to discharge that responsibility for all DOE-SR operations with criticality safety concerns.

4.3.5 Assessments of Contractor CSP revisions will be performed to ensure that appropriate requirements are satisfied as discussed in Attachment 6.Maintenance assessments of the contractor and maintenance self-assessments of DOE-SR maintenance oversight will be conducted on a three-year cycle and will use DOE Order 433.1B as a basis for the assessments. These may include maintenance assessments, maintenance self-assessments and evaluations of DOE-SR maintenance assessment results.

4.3.6 The NMED Staff will discuss any significant issues with facility personnel as they are identified or upon completion of an assessment. Discussion of assessment results with the M&O contractor are also done prior to monthly feedback meetings held with the M&O contractor management. Finally, significant assessment deficiencies and observations may be formally transmitted to the M&O contractor through the MRB and/or letter.

4.3.7 As a courtesy SSOs and FEs should notify the cognizant Facility Representative prior to performing assessments in their assigned facilities and also notify them of any issues identified during the assessment. FRs are to be notified immediately of any conditions that are immediately hazardous or that may affect operability of SC or SS equipment.

4.4 NMPD ASSESSMENTS

The NMPD Staff will discuss any significant issues with facility personnel as they are identified or upon completion of an assessment. Discussion of assessment results with the M&O contractor are also done prior to monthly feedback meetings held with the M&O contractor management. Significant assessment deficiencies and observations may be formally transmitted to the M&O contractor through the MRB and/or letter. Assessments of the Transportation Safety Document or Onsite Safety Assessments will be scheduled as needed to evaluate the contractor's Transportation Safety Program as outlined in DOE Order 460.1C.

4.5 PERFORMANCE INDICATORS

NMSP will use performance indicators as required in the IPAM, plus additional performance indicators specified by the AMNMSP. AMNMSP identifies specific performance indicators to monitor scheduled and some unscheduled activities. Division Directors report on performance indicators. A Technical Assessment example is found in Attachment 8.

5.0 SCHEDULED ACTIVITIES

The following sections describe the activities involved in issuing the AAP, performing assessments, changing the schedule, and scheduling assessments:

5.1 AAP APPROVAL AND ISSUANCE

5.1.1 AMNMSP develops a target schedule to execute the AAP using the following:

- Baseline item information.
- Performance status of the current AAP.
- Safety significance of each item.
- Pace, complexity and hazards of facility operations.
- Necessary resources.
- Technical assessment scheduling inputs.

5.1.2 AMNMSP schedules assessment activities on an annual basis for each facility by the cognizant division.

5.1.3 The AMNMSP issues the AAP for implementation.

5.2 PERFORMANCE OF SCHEDULED ACTIVITIES

5.2.1 The NMSP Division Directors ensure that scheduled items are performed in a timely manner in accordance with department regulations.

5.2.2 The NMED AAP lead (or designee) investigates and resolves delays resulting from untimely support activities performed by matrix organizations.

5.3 CHANGES TO ASSESSMENT SCHEDULES

5.3.1 AMNMSP revises the assessment schedule when the AAP schedule needs adjustments due to changes in requirements, schedules and/or resource limitations.

5.3.2 AMNMSP and Division Directors review AAP revisions and update the detailed implementation schedule. Division Directors indicate to AMNMSP any circumstances preventing the accomplishment of scheduled activities.

5.3.3 When needed, NMSP Division personnel should recommend changes to the AAP through the NMED AAP lead.

6.0 ATTACHMENTS

6.1 Attachments are used to define both the types and frequencies of NMSP assessments. Attachments 3-7 provide assessment scheduling information. Attachments 1, 2, and 8 provide assessment source, tracking, and documenting information. Attachment 1 provides the bases for determining FR coverage and supports determination of the performance frequencies in Attachment 3.

Attachment 1	Facility Representative Coverage
Attachment 2	NMSP Facility Representative Assessments
Attachment 3	Facility Representative Assessment Schedule
Attachment 4	NMED Assessment Activities for CY12
Attachment 5	NMPD Assessment Activities for CY12
Attachment 6	Criticality Safety Assessment Activities for CY12
Attachment 7	NMSP Self-Assessment Schedule for CY12
Attachment 8	NMSP Staff Technical Assessment Activities Tracking for CY12

Attachment 1

Facility Representative Coverage for AMNMSP Facilities

Nuclear Facility	Hazard Category	Activity Level	Base Coverage from DOE-STD.1063-2006	Adjusted Base Coverage	Justification for Base Coverage Adjustment
F-Area					
F-Canyon	2	High	Frequent	Continual	ARRA and Reactivation of some Systems, for TRU repackaging
FB-Line	2	Low	Occasional	Seldom	Deactivated
FAMS	2	Low	Occasional	Seldom	Facility Deinventory
F-Outside	2	Low	Occasional	Seldom	Deactivated Activities
H-Area					
H-Canyon and H-Outside Facilities	2	High	Frequent	Continual	Age of facility, Complexity of operations
HB-Line	2	High	Frequent	Continual	Age of facility, Complexity of operations
Nuclear Materials Receipt and Storage					
K-Area	2	High	Frequent	Continual	SNM Operations
L-Area	2	High	Frequent	Frequent	SNF Operation
C-Area	2	Low	Occasional	Seldom	Inactive Facility
Laboratories					
RMBL	Non-nuclear low hazard chemical	Medium	N/A	Seldom	Bioassay and Environmental Sampling
HPICF	Other Industrial	Medium	N/A	Seldom	Radiation Instrument Calibration
F/H Analytical Laboratories	2	High	Frequent	Frequent	Age of facility, SNM Analysis

Attachment 2

AMNMSP FR Assessments

FR assessments, listed below, are performed to meet requirements of DOE Order 5480.19 in accordance with DOE-STD-1063-2006, April 2006 and DOE SR SRIP430.1. The actual schedule frequency is listed in Attachment 3.

MN-01 *	Maintenance Activity Observation
OP-02	Daily Facility Tour and Facility Status Observation
OP-03 **	Safety System Operability Review
OP-04	Operations Activity Observation
OP-05 **	Surveillance Activity Observation
WPC-04 *	Work Planning and Control Activity Definition and Hazard Identification
WPC-05 *	Work Planning and Control Process – Work Control Documents
WPC-06 *	Work Planning and Control Oversight – Work Performance

* NOTE: MN-01 and WPC-04 - WPC-06 may be alternated. A minimum of one assessment should be performed at the specified periodicity.

** NOTE: OP-03 and OP-05 may be alternated. A minimum of one assessment should be performed at the specified periodicity.

Attachment 3

AMNMSP FR Assessment Schedule for CY12

Area/Facility	Assessment	Frequency	Assessments per year	Notes
F-Area (FCC, FAMS or CLAB)	OP-02	Weekly	52	Field Presence as needed to oversee ARRA activities
	OP-03/05	Quarterly	4	
	OP-04	Monthly	12	
	MN-01/WPC-04 – WPC-06	Monthly	12	
Reactors (K or L)	OP-02	Weekly	52	C and RBOF Field Presence as needed.
	OP-03/05	Semi-Annually	2	
	OP-04	Monthly	12	
	MN-01/ WPC-04 – WPC-06	Monthly	12	
H-Canyon/H-OF	OP-02	Weekly	52	
	OP-03/05	Quarterly	4	
	OP-04	Monthly	12	
	MN-01/ WPC-04 – WPC-06	Monthly	12	
HB-Line	OP-02	Weekly	52	
	OP-03/05	Quarterly	4	
	OP-04	Monthly	12	
	MN-01/ WPC-04 – WPC-06	Monthly	12	
B-Area Labs (RMBL, HPICF, or WBCF)	OP-02	Monthly	12	Field Presence Not Daily
	OP-03/05	Reactive only	0	
	OP-04	Reactive only	0	
	MN-01/ WPC-04 – WPC-06	Reactive only	0	
			330	Total Planned

Attachment 4

NMED Assessment Activities for CY12

NMED Engineers perform assessments of safety-related and important-to-safety SSCs as follows:

VS01 - A planned assessment on an individual safety-related or important-to-safety SSC, or a grouping of like SSCs such as alarms or interlocks.

VS02 - Management self-assessment of completed safety-related or important-to-safety SSC assessments.

VS03 – A safety software quality assurance assessment

VS05 - An assessment of a safety-related or important-to-safety SSC emergent issue.

Independent assessment evaluating the implementation of a SAC may be conducted by the DOE-SR FE after approval of a facility DSA/TSR revision that establishes the SAC. The table in Attachment 8 contains an example detailing how the assessments will he tracked.

Facility FE/SSO Assessments	**Jan-Mar**	**Apr-Jun**	**Jul-Sep**	**Oct-Dec**
K-Area	0	1	0	1
L-Area	0	1	0	0
C-Area (No VSS, 1 SAC)*	0	0	0	0
F-Canyon Complex (FCC)	0	0	0	0
F/H-Lab (CLAB)	0	0	0	1
FAMS	0	0	1	0
H-Canyon	2	2	1	2
HB-Line	1	0	1	0
Programmatic Assessments				
Site Maintenance	0	1	0	1
Fire Protection	0	1	0	1
Engineering Assessments				
TSR Safety Management Programs	0	0	0	1
System Engineer Program – System Performance Monitoring	0	0	0	1
NIM's	0	0	1	0

***Review for industrial safety (electrical supply, ventilation, etc) every three (3) to five (5) years and was last Performed in Fiscal Year 2010**

Attachment 5

NMPD Assessment Activities for CY12

NMPD Assessments	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
H-Area Quality Assessment (NMPD)	0	0	0	1
L-Area Quality Assessment (NMPD)	0	0	0	1
K-Area Quality Assessment (NMPD)	0	0	0	1
EVMS Program Assessment (NMPD)	1	1	1	1
Risk Management (NMPD)	0	0	0	1
Funds Management (NMPD)	1	1	1	1
Schedule Management (NMPD)	1	1	1	1
Transportation Safety Document (NMPD)	0	1	0	0
Onsite Safety Assessments (NMPD)	3	1	0	0

Attachment 6

DOE-STD-1158 provides "a self-assessment tool for review of DOE Contractor criticality safety programs" (CCSP) and recommends management establish a means of monitoring and obtaining feedback on the overall effectiveness of the CSP. Additionally, DOE O 420.1B includes a variety of general and specific requirements that must be met by the contractor CSP and the NCSEs performed in accordance with that program. DOE-SR CSS will perform a variety of reviews and assessments throughout CY12 to ensure that these requirements are appropriately satisfied.

DOE-SR CSS will review CSP Description Document (CSPDD) revisions as they are provided by the Contractor during CY12. Additionally, safety basis and associated support documentation will be reviewed for SR facilities having the potential for criticality event occurrence. The depth of these reviews will reflect the availability of qualified criticality safety staff.

DOE-STD-1158 identifies a variety of key elements which characterize an effective CSP. Regular assessment of these elements is an important part of DOE-SR CSS responsibilities. While CSPDD and safety basis related reviews are expected to require the majority of current DOE-SR CSS effort, observational assessments that may include facility walkthroughs, operations observations, readiness assessments, and CSP activity attendance, will be performed to the extent practical. Fulfillment of the DOE-STD-1158 recommendation to address all CSP criteria "in a facility assessment activity at least once every three years" is achieved through the Contractor Criticality Safety Self-Assessment Program. During CY12, DOE-CSS will perform an assessment of that program to ensure that it is functioning effectively, accomplishing the objectives of DOE-STD-1158 and ANSI/ANS 8.19.

Finally, DOE-SR CSS will conduct a Self-Assessment of the DOE-SR CSP in CY12 in accordance with the requirement of DOE O 420.1B. The timing of this assessment is selected to provide timely input into the closeout of the year's assessment plan and the development of the next year's assessment plan. Format and content are selected to support SR submission to the DOE CSP Annual Report to the DNFSB.

CSP Assessments Goals for CY12	
Activity	**Periodicity**
CSPDD Review	as submitted
Facility Safety Basis Document Review	as submitted
Observational Assessment	as practical
CCSP Self-Assessment Program Assessment	1
DOE-SR CSP Self-Assessment	1

Attachment 7

AMNMSP Assessment Schedule for CY12

The assessments listed below are to meet the assessment commitments identified in the DOE-SR ISASS) and the APAP for 2012.

Core Assessment of Event Reporting (ORPS, PAAA, Trending Analysis) due March 31, 2012

Core Assessment on Performance Measures due June 30, 2012

Independent Assessment DOE-SR Facility Representative (FR) Program due August 31, 2012

NDA Measurements of Potential Fissile Material Accumulations in HB-Line due June 29, 2012

Self-Assessment AMNMSP Continuing Training due February 29, 2012

Self-Assessment (DOE-SR) of Criticality Safety Resource Allocation due December 31, 2012

Attachment 8

Assessment Type	Requirement	2012 Quarterly * Performance (Required Assessments)				YTD Performance (Required + Reactive)			Safety System Oversight (SSO) Person Responsible
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Required Completed	Reactive Completed	YTD Completed	
Facilities									
K-Area	2	0	1	0	1				
L-Area	1	0	1	0	0				
C-Area	0	0	0	0	0				
F-Canyon Complex (FCC)	0	0	0	0	0				
FH-Labs (CLAB)	1	0	0	0	1				
FAMS	1	0	0	1	0				
H-Canyon	7	2	2	1	2				
HB-Line	2	1	0	1	0				
Reactive	0	0	0	0	0				
Programmatic Assessments									
Site Maintenance	2	0	1	0	1				
Fire Protection (235-F)	2	0	1	0	1				
Engineering Assessments									
TRS Safety Management Program	1	0	0	0	1				
Sys. Eng. Pgm – Sys. Perf. Mon.	1	0	0	0	1				
Nuclear Incident Monitors	1	0	0	1	0				
NMPD Assessments									
H-Area Quality Assessment	1	0	0	0	1				
L-Area Quality Assessment	1	0	0	0	1				
K-Area Quality Assessment	1	0	0	0	1				
EVMS Performance Assessment	4	1	1	1	1				
Risk Management Assessment	1	0	0	0	1				
Funds Management Assessment	4	1	1	1	1				
Schedule Management Assessment	4	1	1	1	1				
Transportation Safety Document Assessment	1	0	1	0	0				
Onsite Safety Assessments	4	3	1	0	0				
Total	**42**	**9**	**11**	**7**	**15**				