



Department of Energy
National Nuclear Security Administration
Washington, DC 20585
October 23, 2002

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DNF SAFETY BOARD

The Honorable John T. Conway
Chairman
Defense Nuclear Facilities Safety Board
625 Indiana Avenue, N.W.
Suite 700
Washington, D.C. 20004

Dear Mr. Chairman:

Enclosed is the quarterly report for Recommendation 98-2 for the period July 1 through September 30, 2002.

During this reporting period, the Department made progress toward completion of all commitments. Sixteen out of twenty-six commitments have been delivered, two have been rendered moot by subsequent events, and eight remain outstanding. Change 1 to Revision 1 of the Implementation Plan (currently with the Executive Secretariat for signature by the Secretary) proposes a new Commitment 4.4.7 to accelerate implementation of critical tooling for two Conventional High Explosive (CHE) weapons to the greatest extent possible within the scope of the SS-21 authorization basis efforts currently in progress. This report includes progress toward new Commitment 4.4.7.

The National Nuclear Security Administration will be briefing the Board on implementation of SS-21, including the most critical open commitments of Recommendation 98-2, on October 28, 2002. That briefing will satisfy Commitment 5.2.2 to provide a quarterly briefing to Board. The viewgraphs customarily provided at previous briefings are enclosed and will not be presented on October 28, 2002; however, we will be prepared to discuss the information in the enclosed viewgraphs should the Board have further questions.

If you have any questions, please contact me or have your staff contact Jeff Underwood at 301-903-8303.

Sincerely,

David E. Beck
Assistant Deputy Administrator
for Military Application and
Stockpile Operations
Defense Programs

3 Enclosures



cc w/enclosures:

E. Morrow, NA-3.6

E. Schmidt, NA-121

M. Schoenbauer, NA-122

W. Sigmond, NA-122.2

J. Underwood, NA-124

M. Whitaker, S-3.1, HQ

K. Davis, S-3.1

J. McConnell, DNFSB

W. Andrews, DNFSB

J. Arthur, AL

D. Glenn, OASO

S. Erhart, OASO

M. Reaka, OASO/P

D. Brunell, OASO

D. Ruddy, BWXT Pantex

K. Powers, NV

T. McEvoy, NV

S. Schwartz, OWPM

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Quarterly Report for the Implementation Plan

**Defense Nuclear Facilities Safety Board
Recommendation 98-2**

*Accelerating Safety Management Improvements
at the Pantex Plant*

July 1 through September 30, 2002

*Assistant Deputy Administrator
for Military Operations and Stockpile Operations
National Nuclear Security Administration
U.S. Department of Energy*

1.0 Introduction

On September 25, 2000, the Secretary of Energy approved Revision 1 to the 98-2 Implementation Plan (IP) and provided a copy to the DNFSB. Change 1 to Revision 1 is pending in the Office of the Secretary for transmittal to the Board. The following report for the period July 1 through September 30, 2002, tracks progress towards completing the commitments outlined in the Revision 1IP and toward the additional commitment proposed in Change 1 to Revision 1.

2.0 General Progress

From July 1 through September 30, 2002, no commitments were completed. Progress made on outstanding and proposed commitments is noted in the following sections.

3.0 Task Area Status

The status of open and proposed commitments is provided below for each task area of the Revision 1 IP.

4.1 Define Scope of Work

There are no outstanding commitments within this task area.

4.2 Analyze Hazards

There are no outstanding commitments within this task area.

4.3 Develop and Implement Controls

Commitment 4.3.2 – The purpose of this commitment is to validate implementation of the improved site-wide TSR controls for fire protection.

Deliverable: DOE Readiness Assessment (RA) Report for Fire Protection.

BWXT Pantex has declared readiness for Phase 3 of the implementation plan for site-wide TSR controls for fire protection, but not for Phase 2. A combined NNSA RA for Phases 2 and 3 is planned for early December, pending completion of the contractor's RA.

Commitment 4.3.3 —The purpose of this commitment is to address the hazards associated with on site transportation of nuclear explosives by developing and establishing the technical and analytical basis for site-wide TSR transportation controls.

Deliverable: DOE-approved BIO Module for On-Site Transportation and associated TSR and DOE-approved Implementation Plan for transportation controls.

This action has changed significantly since creation of the Revision 1 IP. Where the Revision 1 IP called for a single authorization basis document approved once in its entirety, the magnitude of the analysis required made it more feasible to divide it into three phases, with separate Safety Analysis Report (SAR) modules for each of three Phases – Phase I (weapons in their ultimate user configuration), Phase II (partial assemblies) and Phase III (nuclear material).

During the previous quarter the NNSA approved the Phase I SAR and its implementation plan. The monthly 30/60/90 day report and the BWXT Pantex Performance Evaluation Plan calls for Phases II and III to be submitted for approval on or before February 13, 2003 and approved on or before April 10, 2003. These phases require extensive weapon response analysis and are the most challenging of all those developed in authorization basis upgrade.

The Revision 1 IP calls for completion of the Transportation Basis for Interim Operations (BIO), the earlier concept, by February 28, 2001. Change 1 to the Revision 1 IP (currently pending in the Office of the Secretary) commits to approval of the complete Transportation SAR and its associated implementation plans by June 30, 2003.

Commitment 4.3.4 - The purpose of this commitment is to validate implementation of the improved site-wide TSR controls for on-site transportation of nuclear explosives.

Deliverable – DOE Readiness Assessment Report.

The NNSA anticipates conducting a Readiness Assessment for the Group 1 controls of the Phase 1 SAR in November, 2002, pending satisfactory completion of the BWXT Pantex Readiness Assessment.

Implementation status for the Enhanced Transportation Cart (ETC), a major part of the Transportation SAR, is:

- W76,W78,W88 - ETC I and ETC II are complete.
- B61 - ETC 1 is complete.
- W80,W87 - Implementation in progress.
- B83 - Implementation is scheduled for March, 2003.
- W84 – Implementation to be prior to next scheduled surveillance cycle.

Commitment 4.3.9 – The purpose of this commitment is to modify the fire detection and suppression system in Building 12-44

Deliverable – Completion of physical modifications to Building 12-44.

The original proposal included installation of UV detectors. The proposal was

revised and approved in November 2001 to install infrared detectors in lieu of the UV detectors. The flow testing issues briefed to the Board on October 16 will not prevent on time completion of this item.

The Revision 1 IP calls for completion of the project by December 30, 2002. The project remains on track to completion per the Revision 1IP.

4.4 Perform Work

Commitment 4.4.3 and 4.4.4 — The purpose of this commitment is to issue revisions to supplemental directives to align with the changes to DOE Orders 452.1, 452.2, and DOE-STD-3015.

Deliverable: Revisions to the AL Supplemental Directives 452.1 and 452.2 issued and an Impact Analysis and DOE-approved Implementation Plan (as required).

All actions under commitment 4.4.3 are complete.

Deliverable: Revisions to the NV Supplemental Directives 452.1 and 452.2 issued and an Impact Analysis and DOE-approved Implementation Plan (as required).

The National Nuclear Security Administration Nevada Operations Office (NNSA/NV) manager signed NV O 452.1B on April 15, 2002, and NV O 452.2B on April 18, 2002 and copies have been provided to the Board. NNSA/NV has performed an appraisal of DOE Order 452.1B and 452.2B and associated field directives at the Nevada Test Site. A response to this appraisal will be the development of an Implementation Plan, and associated resource requirements, that will be incorporated into a revised Program Plan for the Device Assembly Facility.

On August 14, 2002, NNSA/NV directed LLNL and LANL to provide the implementation plan by September 30. On September 24 LLNL and LANL requested that the date be extended by six months. In early October, 2002, NNSA/NV extended the date to March 31, 2003 and requested bimonthly status reports on implementation plan development.

The Revision 1 IP calls for completion of these actions by February 28, 2001. Change 1 to the Revision 1 IP did not request an extension of that date.

Commitment 4.4.5 – The purpose of this commitment is to authorize startup of the W78 SS-21 process.

Deliverable: W78 SS-21 Startup Authorization.

Work is in progress. The December 2003 completion date of the Integrated Weapon Activity Plan (IWAP) Issue H, was changed to August 2003 in Revision 1

to Issue H of the IWAP. Change 1 to Revision 1 to the Implementation Plan commits formally to the Board to meet the August date. Work is progressing adequately to complete by August 28, 2003.

Commitment 4.4.6 – The purpose of this commitment is to authorize startup of B83 SS-21 process.

Deliverable: B83 SS-21 Startup Authorization.

This work commenced in June 2002 and was scheduled by Issue H of the IWAP to complete in June 2004. Revision 1 to Issue H of the IWAP changed the completion date to May, 2004. Change 1 to Revision 1 to the IP commits NNSA to the May date. Work is progressing adequately to complete by May 30, 2004.

Commitment 4.4.7 – Accelerated Tooling. Change 1 to Revision 1 to the IP will commit the NNSA to accelerate implementation of critical tooling for two Conventional High Explosive weapons to the greatest extent possible within the scope of the current SS-21 authorization basis projects.

Deliverable: Delivery of bay and cell critical tooling for the W78 program and bay tooling for the W88 program to the Pantex contractor.

Change 1 to Revision 1 to the IP commits to having designated critical tooling on site for the W78 by January 31, 2003 and for the W88 by October 1, 2002. The W78 is on track to meet the January date. The W88 program missed the October date due to unanticipated greater demands by the ETC project for the tooling engineer. The W88 program has developed a recovery schedule and anticipates meeting the May 21, 2003 implementation date.

Deliverable: Implementation of bay and cell tooling for the W78 program and bay tooling for the W88 program to the Pantex contractor.

Change 1 to Revision 1 to the IP commits to having designated critical tooling implemented for the W78 by August 28, 2003 and for the W88 by May 21, 2003. The W78 is on track to meet the August date. The W88 program anticipates overcoming the late tooling delivery and meeting the May, 21, 2003 implementation date.

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Defense Nuclear Facilities Safety Board Recommendation 98-2

**Quarterly Briefing for the Period Ending
9/30/02**

TBD, 2002

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Recommendation 98-2

Accelerating Safety Management Improvements at the Pantex Plant (Open Items)

<u>Commitment</u>	<u>Responsible</u>	<u>Cost</u>	<u>Schedule</u>	<u>Quality</u>	<u>Overall</u>
4.3.2: DOE Readiness Assessment Report for Fire Prot. (1)	Brunell, AAO	G	See Note (1) (G)	G	G ↗
4.3.3: DOE-Approved Transp. BIO/TSR & Implementation Plan (2)	Brunell, AAO	G	See Note (2) (R)	G	Y ↗
4.3.4: DOE Readiness Assessment Report for Transp. (3)	Brunell, AAO	G	See Note (3) (G)	G	G →
4.3.9: Completion of 12-44 Modifications	J. Guelker, AAO	G	12/30/2002 (G)	G	G →
4.4.4: Revise NVO Orders, Attain NVO Impact & Implementation (4)	T. McEvoy, NVO	G	See Note (4) (R)	G	Y →
4.4.5: W78 SS-21 Start-up Authorization (5)	R. McKay, NA-122	G	See Note (5) (G)	G	G ↗
4.4.6: B83 SS-21 Start-up Authorization (6)	M. Bruns, NA-122	G	See Note (6) (G)	G	G ↗
4.5.1: IP 98-2 Final Assessment Report	D. Beck, NA-12	G	6/30/2003 (G)	G	G →

Notes

- (1) 4.3.2 NNSA RA anticipated in early December to avoid resource conflict with Transportation Phase 1RA and to allow time for contractor to complete readiness for Phase 3.
- (2) 4.3.3 Phase I Transportation SAR Module and Implementation Plan approved. Phase II & III Weapon response data is biggest uncertainty for meeting 10 CFR 830 deadline. Revised 98-2 IP will change approval date for Phases II and III to 6/03.
- (3) 4.3.4 DOE Readiness Assessment (RA) for Phase I anticipated in November, 2002. Phases II and III TBD.
- (4) 4.4.4 NV O 452.1B and NV O 452.2B issued, Implementation Plan due 3/30/03
- (5) 4.4.5 98-2 IP completion date for W78 is 12/30/02, After reprioritization and deletion of rebuild current date is 8/28/03, On schedule.
- (6) 4.4.6 98-2 IP completion date for B83 is 5/30/02, Board advised that current date is 5/30/04, On schedule, Milestone 1 approved on September 5.



Recommendation 98-2

Commitments Delivered This Quarter

Accelerating Safety Management Improvements at the Pantex Plant

- Commitments Delivered Since Last Quarter
 - None



Recommendation 98-2

Open Commitments (1)

Accelerating Safety Management Improvements at the Pantex Plant

- 4.3.2 DOE Readiness Assessment Report for Fire Protection
 - Readiness Assessment for Phases 2 and 3 scheduled for December, 2002.
 - Contractor has declared readiness for Phase 3, but not for Phase 2.
 - Resource conflict with Transportation Phase 1, Group 1 RA and absence of contractor Declaration of Readiness for Phase 2 makes scheduling after Transportation Phase 1, Group 1 RA most reasonable.



Recommendation 98-2

Open Commitments (2)

Accelerating Safety Management Improvements at the Pantex Plant

- 4.3.3, DOE-Approved BIO Module/TSR for On-Site Transportation and DOE-Approved Implementation Plan for On-site Transportation Controls
 - Phase I SAR Implementation Plan approved.
 - Phases II and III on schedule per Authorization Basis Upgrade plan, but extent of weapon analysis required threatens on time completion.
- 4.3.4 DOE Readiness Assessment Report for Transportation
 - The extent of NNSA readiness verification activities has not been determined.
- 4.3.9 Completion of Physical Modifications to Bldg 12-44
 - Project modified to use IR detectors instead of UV.
 - On schedule to December, 2002, completion.



Recommendation 98-2

Open Commitments (3)

Accelerating Safety Management Improvements at the Pantex Plant

- 4.4.4, Revision to Corresponding NVO Orders to align with published changes to DOE O 452.1 and 452.2 and DOE-STD-3015
 - Orders issued. NV has deferred Implementation Plan until 3/31/03.
- 4.4.5 W78 (CHE) SS-21 Start-up Authorization
 - On schedule to IWAP Issue H, Rev 1 completion date of 8/28/03
 - On schedule to have accelerated tooling on site by 1/31/02
- 4.4.6 B83 (IHE) SS-21 Start-up Authorization
 - Project started on time in 6/02. Milestone 1 met in 8/02.
 - On schedule for IWAP Issue H, Rev 1 completion date of 5/30/04.
- 4.5.1 IP 98-2 Final Assessment Report
 - Report date will change as a result of Change 1 to Revision 1 to the 98-2 Implementation Plan

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98-2 Rev 1 Summary Sheet

Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.3.03	DOE-Approved BIO Module/TSR for On-Site Transportation and DOE-Approved Implementation Plan for On-Site Transportation controls submitted	2/28/2001		2/28/01-Glass Letter to Conway 4/30/02 Beck letter to Conway	<p>-7/31/00-Carried forward 5.6.3K3</p> <p>-11/14/00-WSS information has been received from LLNL. SNL & LANL information is due within 30 days. First draft should be ready by March 2001. Final is expected May 2001.</p> <p>-1/8/01--Based on a recent scheduling meeting, the 1st draft submission is due May 2001 versus March 2001.</p> <p>-2/22/01--In order to expedite this commitment, modules of the TSR are being completed and submitted to the AAO office for review and acceptance. Currently, the AAO has the hazard analysis which they are reviewing.</p> <p>-2/28/01--The letter to Conway provided a status of this commitment.</p> <p>-3/28/01--The status remains unchanged. the full-up module is expected to be complete sometime between May and September 2001.</p> <p>-6/29/01--Status to the Board was provided indicating that the full-up module to be provided in September.</p> <p>-8/21/01--Status prepared for Board indicates that the full-up module cannot be provided until November 2001 due to laboratories not being able to provide weapon response information until September.</p> <p>-10/12/01--Previously, the lab had agreed to provide WR information by September. Both SNL and LANL are behind schedule to complete their WR submissions. BWXT-PX has made changes to the SAR Module based on the preliminary (draft) input received verbally during the September meeting. Until all information is formally submitted and incorporated, the date to provide the full-up module slips. In order to allow for the 40 working day AAO review and comment resolution period once the SAR is received from BWXT-PX based on the laboratory WR formal input, it appears that the SAR approval date has slipped to January 2002.</p> <p>-11/29/01--The laboratory input was received 11/2001. The SAR approval date will slip to February 2002 as a result.</p> <p>-1/11/02--The TSR and plan is scheduled to be delivered to AAO on 1/21/02. AAO will conduct their final review. The approval date remains scheduled as February 2002. 02/20/02 Approval anticipated by March 31, 2002.</p> <p>-4/18/02 -- SAR Module Phase I approved on April 1, 2002.</p> <p>-7/29/02 -- Phase I Implementation Plan approved.</p> <p>-10/16/02 -- Weapon response from labs received late and with only partial QA. Submission of Phase II and III SARs delayed until February, 2003, approval likely to occur no earlier than April, 2003, and possibly later.</p>	Partial	Don Brunell, ASO	10/16/2002
4.4.04	Revisions to corresponding NVO Orders to align with published changes to DOE Orders 452.1A and 452.2A and DOE-STD 3015; Request Impact Analysis and Provide DOE-Approved Implementation Plan.	2/28/2001		2/28/01-Glass Letter to Conway 4/30/02 Beck letter to Conway	<p>-7/31/00-Carried forward 5.4.2 & 5.5.1</p> <p>-11/14/00--Time to complete may slip as a result of the slip on 4.4.2.</p> <p>-1/8/01--WPD will provide their draft to NVO as an assist for their SD development.</p> <p>-2/22/01--NVO is in process of completing final comment resolution and finalizing their site directive. They anticipate they will be ready to publish in March 2, 2001, despite the lack of final publication of the 452 orders as required by 4.4.2. The site directive cannot be published until the orders have been published.</p> <p>-2/28/01--A status of this commitment was provided to the Board.</p> <p>-3/28/01--The status of this commitment remains unchanged. NV intends to publish its' SD 90 days after the 452 orders are published.</p> <p>-6/29/01--NV remains committed to publish its' SD and obtain the implementation plan (as needed) within 90 days after the orders are published.</p> <p>-10/12/01--Draft orders are out for initial review until 10/26/01.</p> <p>-11/29/01--NV expects the commitment to be completed early 2002.</p> <p>-01/22/02--NV Orders have completed the DMC process and are scheduled to be finalized 2/15/02. On 3/1/02, the orders will be presented to the NV Change Review Group to get them into the contracts. Once the CRG approves the orders, the NV contractors' contracts will be modified.</p> <p>-4/17/02 -- NV O 452.1B issued, NV O 452.2B at Manager's for signature, impact analysis and implementation plan TBD</p> <p>-4/30/02 -- NV O 452.2B issued.</p> <p>-6/30/02 -- Implementation Plan expected September 30, 2002.</p> <p>-10/16/02 -- NV granted LLNL and LANL six month extension.</p>	Partial	Tim McEvoy, NVO	10/16/2002

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98-2 Rev 1 Summary Sheet

Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.3.02	DOE Readiness Assessment Report for Fire Protection	7/30/2002			<p>-7/31/00--New action</p> <p>-11/19/00--The date for completion is predicated upon completion and implementation of the Fire BIO and TSRs</p> <p>-2/28/01--The Fire BIO and TSR have been approved. The implementation plan is due in 30 days. The implementation will take a year to complete. Anticipate completing the RA by 6/2002.</p> <p>-10/12/01--Three phases with several individual RAs are planned to complete all facilities and programs associated with completion of this commitment. The first RA is scheduled to start November 2002. Based on the current schedule, July 2002 appears to be the appropriate date to finish this TBD commitment. As a result, the TBD will be replaced with July 2002.</p> <p>-1/31/02--The RA for the approved Fire BIO/TSR is scheduled to begin February 2002. The report remains scheduled to be delivered by July 2002.</p> <p>-4/18/02 -- Implementation for W56, W80, B83, and W78 is complete. CRA for W67 is scheduled, Readiness Verification for W79 is in progress. Staging and ramps to complete in July, Final DOE RA in August, 2002.</p> <p>-6/30/02 Only prestarts remain for W79 and B61. Special Use Facilities CRAs in progress. W76 is being done</p> <p>-10/16/02 RA anticipated in early December due to resource conflicts with Transportation Phase I RA.</p>	Open	Don Brunell, ASO	10/16/2002
4.3.04	DOE Readiness Assessment Report for Transportation	TBD			<p>-7/31/00--Carried forward 5.6.3#3</p> <p>-11/19/00--The date for completion is predicated upon completion and implementation of the Transportation BIO and TSRs</p> <p>-2/28/01--The implementation must be complete to initiate the RA. It is anticipated that the RA will begin September 2002.</p> <p>-4/18/02 -- To be scheduled for Phase I after implementation plan for Phase I is approved.</p> <p>-7/26/02 -- The extent of NNSA readiness verification activities will be determined after review of contractor's readiness verification activities.</p> <p>-10/16/02 -- Phase I RA anticipated in November, 2002. Phase II and III RA remain TBD.</p>	Open	Don Brunell, ASO	10/16/2002
4.3.09	Completion of physical Modifications to Bldg. 12-44 Completed	12/30/2002			<p>-7/31/00--New action</p> <p>-11/14/00--Building is schedule to complete modifications on-time.</p> <p>-7/23/01--Title II is under review by DOE.</p> <p>-10/24/01--BWXT is proposing to install infrared Detectors in lieu of the previously planned UV Detectors.</p> <p>-11/30/01--AAO approved the Infrared Detector proposal. Change in direction may cause 2-3 month slip in the schedule.</p> <p>-10/16/02 -- On schedule to 12/31/02 completion.</p>	Open	Charlie Phillips, OASO Johnnie Guelker, OASO	10/16/2002
4.4.5	W78 SS-21 Start-up Authorization	12/30/2002 12/30/2003			<p>-7/31/00--Carried forward & replaces 5.6.4</p> <p>-11/20/00--Assessment of resources (other than production technicians) availability to start SS-21 work in FY01 has not been completed by either the labs or Pantex. Expect an answer by 12/8/00.</p> <p>-2/22/01--The W78 Project Team has requested that the SS-21 project start in FY2002.</p> <p>-3/22/01--During the meeting at Pantex, BWXT was tasked by DP-20 to propose a new "Rebaseline Target" IWAP. The due date is June 15, 2001. This new IWAP should determine where the W78 SS-21 project will initiate and end.</p> <p>-6/15/01--BWXT presented their proposed IWAP. Lab input is still needed to confirm support to schedules. Input is due by 7/12/01. SMT scheduled to review and approve on 7/17/01.</p> <p>-7/20/01--SMT approved IWAP.</p> <p>-8/7/01--SMT Chair approved IWAP for release. Approved IWAP indicates a W78 full SS-21 completion date of December 2003.</p> <p>-1/31/02--W78 SS-21 provided their project scope to the SMT on 1/10/02. Milestone 1 was presented to the 2/1/02 SMT.</p> <p>-10/16/02 -- On schedule to August, 2003 completion per Change 1 to Revision 1IP.</p>	Open	Rob McKay, OWPM	10/16/2002

98-2 Rev 1 Summary Sheet

Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.4.6	B83 SS-21 Start-up Authorization	5/30/2002 5/30/2004			<ul style="list-style-type: none"> -7/31/00--Replaces 5.6.4 -11/20/00--There is no funding for this project to start in FY2001. -2/22/01--The B83 SS-21 Team is completing their project plan and releasing for approval. The project is expected to begin the SS-21 process on October 1, 2001. -3/22/01--During the meeting at Pantex, BWXT was tasked by DP-20 to propose a new "Rebaseline Target" IWAP. The due date is June 15, 2001. This new IWAP should determine where the B83 SS-21 project will initiate and end. -6/15/01--BWXT presented their proposed IWAP. Lab input is still needed to confirm support to schedules. Input is due by 7/12/01. SMT scheduled to review and approve on 7/17/01. -7/20/01--SMT approved IWAP. -8/7/01--SMT Chair approved IWAP for release. Approved IWAP indicates a B83 full SS-21 completion date of May 2004. -1/31/02--B83 SS-21 scheduled to kick-off June 2002. -6/30/02 -- Milestone 0 held. Milestone 1 expected late August, 2002. -10/16/02 -- On schedule to August, 2003 completion per Change 1 to Revision 1 IP. 	Open	John Myers, OWPM	10/16/2002
4.5.1	IP 98-2 Final Assessment Report	6/30/2003 6/30/2004			<ul style="list-style-type: none"> -7/31/00--Carried forward 5.6.5 	Open	Dave Beck, NA-12	10/16/2002
4.1.1	BIO/SAR Program Plan	8/30/2000	8/30/2000	8/30/00--Glass letter to Conway.	<ul style="list-style-type: none"> -7/31/00--Corresponds to 5.1.4 (Portion of IWAP) -8/15/00--AAO was sent an Email request for status. -8/24/00--AAO approved the program plan with comments. -8/31/00--AL Manager signed the letter to the DNFSB. Deliverable was mailed. -11/17/00--Individual schedules for each project plan are attached. 	Delivered	Don Brunell, OASO	8/30/2000
4.1.2	Assessment of TBP-901 Implementation	11/30/2001	11/30/2001	11/30/01--Glass letter to Conway	<ul style="list-style-type: none"> -7/31/00--Follow-on to 5.2.2 -7/23/01--Called AAO for schedule to completion. -10/12/01--Information is being gathered for a consolidated response. -11/27/01--Both the AAO and OWP assessments were provided to the Board. 	Delivered	Dave Ryan, OASO Steve Goodrum, OWPM	11/30/2001
4.2.1	D&P Manual Chapter 11.8--"Integration of Weapon Response into Authorization Bases at the Pantex Plant"	10/30/2000	10/31/2000	10/31/00--Glass Letter to Conway	<ul style="list-style-type: none"> -7/31/00--New action -8/24/00--WRT team completed draft for SMT review. SMT was requested to provide their organizational comments. -9/29/00--All organization comments were received and proposed resolution provided. SNL required further resolution. -10/10/00--Final draft completed. All comments resolved. Team consensus to request publication provided. -10/13/00--Publication package provided for SMT approval. -10/24/00--Chapter released for publication. 	Delivered	Don Brunell, OASO	10/24/2000
4.2.2	TBP Guidance on expectations & documentation of weapon response (Follow-on to 11.8)	1/30/2001	1/30/2001	1/31/01--Glass Letter to Conway	<ul style="list-style-type: none"> -7/31/00--New action -11/19/00--The SMT designated a team to begin developing the guidance. The guidance will be an attachment to Chapter 11.8 in lieu of a TBP. -12/12/00--Sent an email to the team to establish a meeting date the first week of January to evaluate a draft. -1/2/01--Team meeting scheduled for 1/4/01 to discuss draft. -1/8/01--The teams draft was finalized and distributed for team comments. Comments are due by 1/11/01. A comment resolution meeting is scheduled the afternoon of 1/17/01. -1/30/01--Appendix A to 11.8 (replacing TBP) was published. 	Delivered	Steve Erhart, OASO Karl Waltzer, OASO Larry Eppler, Pantex	1/30/2001
4.2.3	11.8 and TBP Impact Analysis & DOE-Approved Implementation Plan	3/30/2001	3/30/2001	3/30/01--Beck letter to Conway	<ul style="list-style-type: none"> -7/31/00--New action -60 days after the completion of 4.2.2, the contract is required to submit their impact assessment. -2/22/01--AAO is in process of requesting the Pantex M&O assessment and implementation of 11.8 and associated guidance. AL is in process of re-establishing the Weapon Response Team to evaluate the impacts of 10CFR830 on 11.8 and its associated guidance. Any changes as a result of the two evaluations will be incorporated as a change to the 11.8 chapter and its guidance. -3/28/01--PX provided their Impact Evaluation. The evaluation determined that 11.8, Change 39 (Chapter & Guide) are currently implemented through MNL-254543, Pantex Plant Safety Management (ISM) Authorization Basis (AB) Manual. A change to the MIC S/RID has been submitted to contractually implement the chapter. The change will occur during the next revision. 	Delivered	Don Brunell, OASO	3/28/2001
4.2.4	Assessment of USQ Process	1/30/2001	1/30/2001	1/31/01--Glass Letter to Conway	<ul style="list-style-type: none"> -7/31/00--Carried forward 5.3.1#3 -11/19/00--Assessment is in process -1/8/01--Assessment is expected to be completed on time. -1/31/01--AAO submitted to AL for issuing to Board. 	Delivered	Don Brunell, OASO	1/31/2001

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Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.2.5	Revision #2 to the ISM AB Manual	10/30/2000	1/30/2001	10/31/00-Glass Letter to Conway 01/31/01-Glass Letter to Conway	-7/31/00--Corresponds to 5.3.1 & 5.8.3 -9/11/00--Request for status was emailed. -10/16/00--Draft delivered to AAO for review -10/30/00--Pantex M&O did not complete their internal review and incorporate comments received. Expect to be complete within 60 days. -11/1/00--Glenn Memo to Pettigrini regarding missed commitment. Requesting personal attention to ensuring all funded commitments are delivered in time to allow for adequate review, comment, and approval. -11/6/00--AAO comments were provided to the Pantex M&O and requested that the manual be written to reflect the intent of the IP. The new draft is anticipated to be delivered by December 2000. -12/13/00--Final draft is expected to be delivered by 12/15/00. -1/8/01--AAO has received the revision and is reviewing the document. Review anticipated to be complete by 1/12/01. -1/22/01--Final document complete. All comments resolved. Final being transmitted to AL for distribution to the Board. -1/31/01--Mailed to DNFSB	Delivered	Don Brunell, OASO	1/31/2001
4.2.6	Revise D&P 11.7--"Nuclear Explosive Operations Change Control Process"	11/30/2000	11/30/2000	11/30/00-Glass Letter to Conway	-7/31/00--Follow-on to 5.3.2 -10/18/00--Email request for status. -10/30/00--Team meeting scheduled for 11/1/00 to resolve comments on initial draft and prepare 2nd draft for organizational and SMT comment. Final chapter should be published by the end of the month. -11/6/00--2nd Draft has been released for SMT and AL organization comments. Comments are due by 11/20/00. -11/29/00--Final released for publication	Delivered	Mark Baca, OWS	11/29/2000
4.3.01	DOE-Approved BIO Module/TSR for Fire Protection and DOE-Approved Implementation Plan for Fire Protection Controls	10/30/2000	6/30/2001	10/31/00-Glass Letter to Conway 01/30/01-Glass Letter to Conway 02/28/01-Glass Letter to Conway 06-29-01-Glass Letter to Conway	-7/31/00--New action -6/30/00--Draft Fire BIO/TSR delivered to AAO for review. AAO returned with comments. Several resolution meetings have occurred to resolve the comments. Pantex M&O is expected to re-submit by 9/20/00. -8/4/00--Implementation plan submitted by Pantex M&O to AAO for review. -9/31/00--AAO returned implementation plan to Pantex M&O with comments. -10/30/00--AAO stated that the Fire BIO is not ready for submission due to technical issues associated with the sensitivity and zone coverage of the UV detectors. The complete deliverable is expected within 30 days. -11/6/00--More time will be required to address the UV technical issue prior to releasing the approved Fire BIO. -12/13/00--Expect Fire BIO to be ready for delivery to AAO Manager by December 22, 2000 -1/8/01--SER is in final review. -1/17/01--AAO is re-writing SER based on the numerous comments received during their review. -1/31/01--Letter to Board to provide updates. -2/22/01--The final SER is in the AAO Manager's office for signature. It is expected to be signed & provided to ALWPD for distribution to the Board by 2/28/01. -2/28/01--The BIO Module and TSR were delivered. The implementation plan to follow in May. -6/8/01--Fire BIO Implementation Plan approved with conditions. -6/21/01--Letter received from DNFSB citing concerns with FireBIO. -6/29/01--Department delivers Fire BIO implementation plan. Department commits to address concerns during a technical briefing to be scheduled.	Delivered	Don Brunell, OASO	6/29/2001
4.3.05	Additional DOE-Approved TSR controls derived from the NES master Studies	11/30/2000	2/28/2001	11/30/00-Glass Letter to Conway 01/31/01-Glass Letter to Conway 02/28/01-Glass Letter to Conway	-7/31/00--New action -10/18/00--Email request for status -11/6/00--AAO meeting the Pantex M&O responsible organization to discuss the M&O's failure to respond to AAO's rejection of the last submission. A letter to the M&O will follow. -12/13/00--Looks like the next draft will be into AAO by early January. -1/8/01--The next draft is behind schedule. Do not anticipate receipt until February 2001. -1/30/01--Provided status within the January letter to the Board -2/22/01--AAO is completing their internal process actions and expect to deliver the final product to ALWPD by 2/28/01. -2/28/01--The final commitment was provided to the Board.	Delivered	Don Brunell, OASO	2/28/2001
4.3.06	Flammable Solvent and Material Substitution Plan	10/30/2000	10/31/2000	10/31/00-Glass Letter to Conway	-7/31/00--New action -10/27/00--Plan signed by the Manager	Delivered	Steve Goodrum, OWPM Dan Glenn, OASO	10/27/2000

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Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.3.07	Plan for Transportation Carts	10/30/2000	8/30/2001	10/31/00-Glass Letter to Conway 01/31/01-Glass Letter to Conway 04/20/01-Gioconda Letter to Conway 08/30/01-Beck Letter to Conway	-7/31/00-New action -10/30/00-AAO delivered a partial package. The complexity of the project and evolutionary nature of the design process requires substantial lab analysis prior to completion of the design. The entire package is expected by January 2001. -12/11/00-Team met to discuss package. Remain on track to deliver full package by January 2001. -1/8/01-On track to receive Part 2 by 1/16/01. -1/19/01-Final package approved and received by AAO to be transmitted to Board with 1/30/01 letter. -3/5/01-Department received letter from DNFSB citing concerns w/implementation. An updated plan is due in May 2001. -4/20/01-Letter from Gioconda to Conway (revised plan to be provided May 2001). -6/29/01-Letter from Glass to Conway, revised plan is in process and expected to be complete July 2001. -8/9/01-AAO delivered the package to DP-21 for transmission to the DNFSB.	Delivered	Don Brunell, OASO	8/9/2001
4.3.08	PDS for 12-44 Fire Protection Upgrade	12/30/2000	12/21/2000	12/21/00-Glass Letter to Conway	-7/31/00-New action -11/14/00-Draft document in draft. -12/13/00-PDS has been delivered to AAO and is under review. Expect to complete and deliver to WPD for transmission to the Board no later than 12/19/00. -12/21/00-Commitment mailed to the Board.	Delivered	John Guelker, OASO Pat Higgins, SPD	12/21/2000
4.3.10	Conceptual Design for Fire Detection and Suppression Systems Upgrades	4/30/2001		6/15/01-Beck Letter to Conway	-7/31/00-New action -11/14/00-Do not have approval to start CD-1 -12/21/00-Based on Jeff Underwood email, AAO is reviewing CD0. Cannot start CD1 until CD0 is approved. -1/17/01-CD0 is headed to HQ for decision. -2/22/01-HQ has the CD0 for approval. They are holding approval until funding issues are resolved. -3/28/01-DP-20 has requested that DP-6 evaluate the project to aid in selecting an implementation strategy (line item; combination of GPP/Capital/Expense; or Expense). Options are due to DP-20 by April 30, 2001 to provide an implementation strategy by May 31, 2001. DP-20 is preparing a letter to the Board informing them of the evaluation and plan to submit a new date or commitment by June 15. -6/15/01-DP-20 to DNFSB providing input that a series of small projects will be completed and recommend that this item be removed from 98-2Rev1. -4/16/02 -- The intent of this action has been met by transmission in February to the Board of the approved and funded project plan for replacement of the fire alarm system. No further status will be recorded.	Intent has been met	Jeff Underwood, NNSA John Guelker, OASO Pat Higgins, SPD Jeff Yarbrough, PX-BWXT	1/31/2002
4.3.11	ESAAB Authorization for Title 1	06/30/01		6/15/01-Beck Letter to Conway	-7/31/00-New action -11/14/00-The decision on what type of funding to use to implement has not been made. Capital versus expense or a combination. -1/8/01-Based on current orders, Cannot go forward with Title 1 until CD1 is approved and capital funding is requested. Capital funding not expected until 2003. -3/28/01-DP-20 has requested that DP-6 evaluate the project to aid in selecting an implementing strategy (line item; combination of GPP/Capital/Expense; or Expense). Options are due to DP-20 by April 30, 2001 to provide an implementation strategy by May 31, 2001. DP-20 is preparing a letter to the Board informing them of the evaluation and plan to submit a new date or commitment by June 15. -6/15/01-DP-20 to DNFSB providing input that a series of small projects will be completed and recommend that this item be removed from 98-2Rev1. -4/16/02 -- The intent of this action has been met by transmission in February to the Board of the approved and funded project plan for replacement of the fire alarm system. No further status will be recorded.	Intent has been met	Jeff Underwood, NNSA John Guelker, OASO Pat Higgins, SPD	1/31/2002
4.4.1	DOE Orders 452.1A, 452.2A and DOE-STD-3015 Proposed Revisions Developed & Submitted for formal review process	8/30/2000	8/30/2000	8/30/00-Beck Letter to Conway	-7/31/00-Carried forward 5.4.2 & 5.5.1 -8/15/00-DP-20 was sent a request for an update -8/21/00-DP-20 responded that the letter transmitting the orders and standards to MA for the review and comment period was ready and would be given to Beck for signature. -8/30/00-Beck signed out letter to DNFSB.	Delivered	Ed Cassidy, NA-12	8/30/2000

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4.4.2	DOE Orders 452.1A, 452.2A and DOE-STD-3015 Formal Review Process & Publication	11/30/2000	8/30/2001	11/30/00--Glass Letter to Conway 02/22/01--Beck Letter to Conway 08/23/01--Beck Letter to Conway	<ul style="list-style-type: none"> +7/31/00--Carried forward 5.4.2 & 5.5.1 +10/18/00--Email request for status +10/19/00--Email response from Helmut Filacchione indicates that the orders and standards are still in formal review and comment period and this will be extended. DP-21 is shooting for a 12/31/00 publication date. +11/20/00--A plan was provided by DP-21 indicating expected release for publication by 12/8/00. +12/6/00--DOE O 452.1B and .2B and Standard DOE-STD-3015-YY are scheduled to be published on Dec. 31, 2000 barring any obstacles encountered by Revcom system (i.e., comment resolution) or the publication process. Working with Mr. Beck to remove any obstacles before they are encountered. +12/01--Notice received that 452.1B was signed out by DP-20 to MA for publication. +1/29/01--Both 452.1B and 452.2B have been provided to MA for publication. STD-3015 has 174 comments that are in process of being resolved. +2/22/01--DP-20 provided a response to the Board indicating publication of the Standard by April and publication of the orders by May. +4/30/01--Status to Board provided regarding delay in publication. Expect June 2001. +6/29/01--Status to Board provided regarding delay in publication to August 2001. +7/8/01--Internal e-mail received indicating that administrative issues have been resolved and expect orders to be published by end of July. +8/6/01--Orders published on the web. 	Delivered	Ed Cassidy, NA-12	8/6/2001
4.4.3	Revisions to corresponding AL Supplemental Directives 452.1 and 452.2 to align with published changes to DOE Orders 452.1A and 452.2A and DOE-STD 3015; Request Impact Analysis and Provide DOE-Approved Implementation Plan.	2/28/2001	11/30/2001	2/28/01--Glass Letter to Conway 11/30/01--Glass Letter to Conway 4/30/02 -- Beck Letter to Conway	<ul style="list-style-type: none"> +7/31/00--Carried forward 5.4.2 & 5.5.1 +11/14/00--Time to complete may slip as a result of the slip on 4.4.2. +1/8/01--WPD in process if using pre-published orders to begin changes to the SDs +1/22/01--Draft changes to the site directives are in process using the final draft orders being prepared for publication. +2/22/01--Final comments are in process of being received and resolved. As a result of comment resolution, it is anticipated that the final draft will be ready for publication despite the lack of final publication of the 452 orders as required by 4.4.2. The site directive cannot be published until the orders have been published. +2/28/01--A status of this commitment was provided to the Board. DOE-STD-3015 was published in February. +3/28/01--The status of this commitment remains unchanged. AL intends to publish its' SD 90 days after the 452 orders are published. +6/29/01--AL remains committed to publish its' SD and obtain the implementation plan (as needed) within 90 days after the orders are published. +7/18/01--AL Team released draft for team review. Comments are due by 8/30/01. +8/21/01--Comments have been received. As a result of the comments received, the supplemental directives are being revised to reflect appropriate resolution. Final draft is expected to be ready for release by the end of September. +Final draft was released 10/15/01. Teleconference scheduled for 10/19/01 to resolve any comments. +11/1/01--Both AL SDs approved for publication and impact analysis requested. +1/31/02--PX Impact Analysis submitted to AAO 12/20/01 and approved by AAO on 1/26/02. PX Implementation Plan due by 2/28/02. 	Delivered	Steve Goodrum, OWPM	11/30/2001

Total Open or Pending:

8

Total Delivered or Intent met by other means:

18

Total No. of Commitments:

26